



**AN APPLICATION FOR AN ENVIRONMENTAL PERMIT
TO AUTHORISE THE DEPOSITION OF WASTE ON
LAND AS A RECOVERY ACTIVITY FOR THE
RESTORATION OF PHASES 12, 13A AND 13C AT
BROOKSBY QUARRY, MELTON ROAD, BROOKSBY,
LEICESTERSHIRE**

**ENVIRONMENTAL SETTING AND SITE DESIGN
REPORT (ESSD)**

Report reference: TAR/BRO/JAD/5654/01/ESSD
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This report has been prepared by MJCA with all reasonable skill, care and diligence, and taking account of the Services and the Terms agreed between MJCA and the Client. This report is confidential to the client and MJCA accepts no responsibility whatsoever to third parties to whom this report, or any part thereof, is made known, unless formally agreed by MJCA beforehand. Any such party relies upon the report at their own risk.

1. Introduction

Report context

- 1.1** MJCA is commissioned by Tarmac Trading Limited (Tarmac) to prepare an application for a bespoke Environmental Permit for the deposition of waste on land as a recovery activity in order to restore Phases 12, 13a and 13c to agriculture at Brooksby Quarry, Melton Road, Brooksby, Leicestershire. Throughout this application Phases 12, 13a and 13c of Brooksby Quarry are referred to as the site. This report comprises the Conceptual Site Model, Environmental Setting and Site Design (ESSD) report to support the application. The structure of this ESSD report is based on the Environment Agency guidance entitled ‘What to include in your environmental setting and site design report¹’ published in January 2020 and last updated on 31 October 2022.
- 1.2** A Waste Recovery Plan (WRP) presenting justification that the activity comprises recovery was submitted to the Environment Agency (EA) on 27 August 2021. Further information in respect of the recovery status of the activity was submitted to the EA on 27 October 2021 and in a letter dated 3 November 2021 the EA confirmed that the activity comprises recovery. The WRP is presented at Appendix B to the permit application report. The further submission to the EA dated 27 October 2021 is presented at Appendix C to the permit application report. The letter from the EA confirming that the activity comprises recovery is presented at Appendix D to the permit application report.
- 1.3** Although planning permission for mineral extraction at Brooksby Quarry was first granted in 2003, most recently planning permission reference 2018/0917/06 (2018/CM/0123/LCC) (the planning permission) was granted on 10 October 2019 by Leicestershire County Council (LCC) for the:-

‘Southern Extension of sand and gravel working and restoration using site derived and imported inert material returning the land to a combination of agriculture, open water and nature conservation - Brooksby Quarry, Melton Road, Brooksby, Leicestershire LE14 2LN.’

¹ <https://www.gov.uk/guidance/landfill-operators-environmental-permits/what-to-include-in-your-environmental-setting-and-site-design-report>

- 1.4 The planning permission which was implemented in October 2019 provides for the restoration of Phases 12, 13a, 13c, 17, 18a, 18b, 19a and 19b to agriculture by the importation of approximately 1.5Mm³ of inert materials. The site location is shown on Figure ESSD 1 and the boundary of the planning permission is shown on Figure ESSD 2. The area the subject of the planning permission is approximately 93 hectares. The site which is the subject of this application is approximately 7.75 hectares and comprises part of the site the subject of the WRP. Since the WRP was prepared the area of the application site has reduced to include Phases 12, 13a and 13c only. A copy of the planning permission is presented at Appendix ESSD A.

Site details

- 1.5 The site which forms part of the wider Brooksby Quarry complex is centred on National Grid Reference (NGR) SK 66813 15092 approximately 1.1km east of Rearsby, 1.6km south east of Thrussington, 1.6km south of Hoby, 3.4km south west of Frisby on the Wreake and 2.4km north west of Gaddesby in Leicestershire. Brooksby Melton College and several residential dwellings are located north north east of the site and there are several isolated farms located in the area of the site which is generally in agricultural use. The site is accessed from the existing access to the Brooksby Quarry complex off the A607, Melton Road. The location of the Brooksby Quarry complex and the site are shown on Figures ESSD 1 and ESSD 2.
- 1.6 Phases 12, 13a and 13c the subject of this permit application are located in the north western part of the Brooksby Quarry complex. The location of the areas of the Brooksby Quarry complex which are the subject of this Environmental Permit application (the site) are shown on Figure ESSD 1 and the layout of the Brooksby Quarry complex including the phasing at the site is shown on Figure ESSD 2. Phases 1 to 10, 15a, 15b, 16a, 16b, 17, 18a, 18b, 19a and 19b all comprise part of the wider Brooksby Quarry complex which also includes site infrastructure, material storage areas and areas used for water management. The mineral processing plant is located centrally in the Brooksby Quarry complex.
- 1.7 Mineral extraction operations in Phases 1 to 10 are complete and parts of Phases 8 and 9 and Phase 10 are being restored as an inert landfill pursuant to the Environmental Permit Number EPR/CB3504CQ. With the exception of the site and the area of the Brooksby Quarry complex the subject of the Environmental Permit Number EPR/CB3504CQ all the others phases of the Brooksby Quarry complex are

being restored to agriculture, open water and nature conservation using onsite overburden and quarry reject materials.

- 1.8** Ground levels across the site prior to the commencement of mineral extraction operations fell generally towards the Rearsby Brook which flows in a generally westwards direction through the middle of the Brooksby Quarry complex. The ground level in Phases 12, 13a and 13c to the north of the Rearsby Brook fell generally in a southwards direction from approximately 74mAOD to approximately 66mAOD. The results of a topographical survey of the existing conditions of the site in late 2018 is presented at Appendix ESSD B. Mineral extraction operations are currently mothballed and the last phases to be extracted are Phases 18a and 18b.
- 1.9** As explained above, the Brooksby Quarry complex including the site is located in a predominantly rural area with the majority of the surrounding land in agricultural use. The site and surrounding area are shown on Figures ESSD 1 and ESSD 2. With the exception of Melton Road and Brooksby Grange Farm, the Brooksby Quarry complex including the site is generally bounded by hedgerows or small areas of woodland. The closest properties to the site are the buildings associated with Brooksby Grange Farm, Hive's Farm and Hall Farm the closest of which is located on the boundary of the site. High voltage power lines cross Phases 13a and 13c.
- 1.10** There are no Scheduled Monuments, World Heritage Sites or Listed Buildings within 500m of the site. There are two Grade II* listed buildings located to the north of the site in the village of Brooksby which comprise the Church of St Michael and Brooksby Hall. The Church of St Michael is located approximately 790m from the site boundary and Brooksby Hall is located approximately 840m from the site boundary.
- 1.11** Based on information from the DEFRA MAGIC website and the EA nature and heritage conservation screen there are no Sites of Special Scientific Interest (SSSI), Special Protection Areas (SPA), Special Areas of Conservation (SACs), National Nature Reserves (NNRs) or Local Nature Reserves (LNR) or Local Wildlife Sites (LWS) located within 2km of the site. Frisby Marsh SSSI is located approximately 2.6km to the north east of the site (Figure ESSD 1). The closest Priority Habitat identified in the vicinity of the site is an area of Deciduous Woodland located approximately 60m west of the site. A Traditional Orchard is located approximately 110m west of the site at Brooksby Grange Farm.

- 1.12** There are two public rights of way within 500m of the site as shown on Figure ESSD 2. Bridleway L117 runs in a north east to south west direction for approximately 450m south of the A607 and approximately 100m west of the north western corner of Phase 13c. Footpath H57 runs in a generally north east to south west direction approximately 300m north of Phases 12 and 13c.

2. Source

Historical activity

- 2.1** Historical maps for the period 1884 to 2020 are provided with the Envirocheck reports presented at Appendix ESSD C. Information in respect of pollution incidents in the area of the site are presented in Section 3.
- 2.2** With the exception of field boundaries the historical maps show no historical developments within the site boundary. The A607 Melton Road to the north of the site is shown from the earliest historical map. There is one landfill site within 500m of the site listed in the Envirocheck report which comprises the inert landfill the subject of Environmental Permit number EPR/CB3504CQ. Environmental Permit Number EPR/CB3504CQ was issued on 20 January 2019 and is operated by Tarmac. Environmental Permit Number EA/EPR/SP3093VF/V003 for the silt lagoon at Brooksby Quarry comprises a standard rules SR2009No8 permit for the management of inert wastes and unpolluted soil resulting from the prospecting, extraction, treatment and storage of mineral resources and the working of quarries, at mines and quarries and was last modified in January 2016.

Proposed development

- 2.3** As explained above and as shown on Figure ESSD 2 there are 3 phases of mineral extraction which comprise the site and are the subject of the Environmental Permit application. Restoration to agriculture will be undertaken on a phased basis. To provide for the restoration of the site to agriculture it will be necessary to import approximately 326,500m³ of inert restoration materials to Phases 12, 13a and 13c. An additional approximately 46,500m³ of cover soils will be placed over the inert restoration materials. The phase layout is shown on Figure ESSD 2 and the approved phasing drawings are presented at Appendix ESSD D. The approved restoration scheme is shown on the drawing presented at Appendix ESSD E.
- 2.4** The total quantity of waste that will need to be deposited to complete the restoration is limited by the final levels shown on the approved restoration scheme. Drawing number B355-00071-11 (Appendix ESSD E) comprises the relevant contour plan for the site which it is proposed will be specified in the permit. Cross sections through the site are presented on Figure ESSD 7.

2.5 The waste types that will be accepted at the site the subject of the Environmental Permit are presented in Table ESSD 1. With the exception of List of Waste (LoW) code 01 04 12 (tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11) the waste types in Table ESSD 1 are specified in the guidance² as waste types that may not need to be tested, apart from testing for classification purposes. The waste types listed in Table ESSD 1 are consistent with those in the approved Waste Recovery Plan (Appendix B of the permit application report). Detailed waste acceptance procedures will be in place to minimise the risk that unacceptable waste materials are accepted at the site and procedures will be in place for the rejection of non-conforming loads. The waste acceptance procedures are presented at Appendix M of the permit application report. The receipt, handling and storage of materials are the subject of procedures in the company management system which is the subject of the ISO 14001 Environmental Management System (EMS).

²<https://www.gov.uk/government/publications/deposit-for-recovery-operators-environmental-permits/waste-acceptance-procedures-for-deposit-for-recovery>

3. Pathway and receptor

Geology

- 3.1** The geology of the proposed extension to Brooksby Quarry is taken from information made available online by the British Geological Survey (BGS) including the geological mapping and information provided by Tarmac including logs of mineral proving boreholes and groundwater monitoring boreholes drilled at and in the vicinity of Phases 12, 13a, 13c, 17, 18a, 18b, 19a and 19c provided by Tarmac. A plan showing the geology at and in the vicinity of the site is presented at Figure ESSD 3. The logs of the mineral proving boreholes and groundwater monitoring boreholes together with a plan showing the locations of the mineral proving boreholes are presented at Appendix ESSD F. The locations of the groundwater monitoring boreholes are shown on Figure ESSD 4.
- 3.2** Based on the geological information published online by the BGS including the geological maps and the information provided by Tarmac the superficial geology at and in the vicinity of the site comprises Quaternary deposits consisting of Holocene colluvium and alluvium underlain in turn by the Middle Pleistocene Wolston Glaciogenic Formation comprising the Thrussington Till Member and the Early to Middle Pleistocene Bytham Sand and Gravel Formation. The Bytham Sand and Gravel Formation has been referred to as the Baginton Sand and Gravel Formation in previous reports on Brooksby Quarry. The Bytham Sand and Gravel Formation comprises the main mineral deposit at the site. Based on the BGS Lexicon the colluvium and alluvium comprise clay, silt, sand and gravel and the Thrussington Till Member of the Wolston Glaciogenic Formation comprises mainly diamicton or poorly sorted gravelly clays.
- 3.3** The superficial deposits overlie bedrock comprising the Upper Triassic strata of the Mercia Mudstone Group (Blue Anchor Formation and Branscombe Mudstone Formation). The Branscombe Mudstone Formation subcrops on the north western edge and close to the south western corner of the site and is overlain by the Blue Anchor Formation across the site. Based on the BGS Lexicon the Blue Anchor Formation comprises pale green grey dolomitic silty mudstones and siltstones with thin sandy lenses. The Branscombe Mudstone Formation comprises mainly red brown mudstone and siltstone with common grey-green reduction patches and gypsum/anhydrite beds, nodules and veins.

- 3.4** The bedrock strata at and in the vicinity of the site dip to the east generally and are faulted with three broadly south west to north east trending faults. One of the faults crosses close to the south of the site (Phases 12, 13a and 13c). The second fault crosses the north west of the site close to the north western boundary of Phases 13c. The third fault is located approximately 310m north of the site at the closest point. The northern two faults are downthrown to the south and the southern fault is downthrown to the north. The approximate locations of the faults are shown on Figure ESSD 3.
- 3.5** Based on a review of the logs of mineral exploration and groundwater monitoring boreholes drilled at and in the vicinity of the site the superficial deposits comprise generally sandy gravelly clay overlying sand and gravel deposits. The sandy gravelly clay thickens with distance away from the Rearsby Brook to the north west. The sandy gravelly clay overburden thickens from approximately 2m to approximately 7m from south west to north east across Phases 12, 13a and 13c. The elevation of the base of the sandy gravelly clay overburden typically increases from south west to north east across the site at between approximately 64mAOD and 65.5mAOD.
- 3.6** At Phases 12, 13a and 13c the thickness of the Bytham Sand and Gravel Formation ranges between approximately 5m in the north east and approximately 3m in the south west. The more continuous sand and gravel deposits with a surface elevation of between approximately 65mAOD and 66mAOD across the Brooksby Quarry Complex have been interpreted as the Bytham Sand and Gravel in previous reports for the site³.
- 3.7** Where the base of the sand and gravel deposits were proven the underlying bedrock comprised clay, silt, siltstone or mudstone consistent with the bedrock geology reported above and as shown on Figure ESSD 3. The full thickness of the bedrock units beneath the sand and gravel mineral deposits have not been proven at the site. A maximum thickness of 2.1m of siltstone and clay is proven at borehole WM10 located approximately 280m south east of the site. The approximate location of borehole WM10 is shown on Figure ESSD 4 with the logs of the boreholes presented at Appendix ESSD F. A minimum of 1m of silty clay was proved beneath the sand

³ Hafren Water. 2018. Hydrogeological and hydrological assessment for a proposed extension to Brooksby Quarry. Report prepared for Tarmac Limited. Report reference 2479/HIA.

and gravel mineral deposits at Borehole BH18/PZA along the western boundary of the site (Figure ESSD 4 and Appendix ESSD F).

Hydrology

- 3.8** Information on the local hydrology is taken from Ordnance Survey base maps at 1:10,000 scale and 1:25,000 scale and from information provided by the Environment Agency (EA), Charnwood Borough Council and Melton Borough Council. Surface water features in the vicinity of the site are shown on Figure ESSD 2.
- 3.9** The average annual rainfall calculated for the period 1982 to 2020 recorded at an Environment Agency weather station at Brooksby Quarry Complex is 597mm. The data is incomplete for 1981, 1984, 1985, 1990 to 1994 hence these years have been omitted from the calculation. The average annual rainfall calculated for the period 1995 to 2020 comprising a complete dataset is 601mm. The weather station is located to the east of Phase 12.
- 3.10** The site is located in the catchment of the River Wreake which flows from north east to south west approximately 670m north west of the site at its closest point. The Rearsby Brook, which is a tributary of the River Wreake, flows from north east to south west to the south of the site and joins the River Wreake at Rearsby Mill approximately 2.5km west south west of the site. At its closest point Rearsby Brook is approximately 20m from the south eastern boundary of Phases 12 and 13a.
- 3.11** There are three water bodies associated with water management at the quarry in the central area of Brooksby Quarry complex and east of the site comprising a silt lagoon, clean water lagoon and discharge polishing lake which extend generally north eastwards from adjacent to the southern boundary of Phase 12. There is one water body located to the north of Rearsby Brook and approximately 700m east north east of Phase 12 which it is understood is lined. The waterbodies comprise former mineral workings at the site. There are five further waterbodies within 500m of the site comprising Brooksby Fishing Pond approximately 440m north of the site and four water bodies at Hives Farm situated approximately 250m north west of the site. A Google satellite image dated May 2021 shows that the two largest water bodies at Hives Farm are now vegetated by trees and shrubs.
- 3.12** Based on the information provided on the GOV.UK Flood map for planning website⁴ the permit application boundary is located in Flood zone 1 which is defined in the

⁴ Flood map for planning - GOV.UK (flood-map-for-planning.service.gov.uk)

National Planning Policy Framework (NPPF) and associated Planning Practice Guidance (PPG) as land assessed as having a less than 1 in 1,000 annual probability of river flooding.

- 3.13** The quality of the surface water at and in the vicinity of the site is classified by the EA under the Water Framework Directive (WFD). The WFD classifications and objectives are presented in the River Basin Management Plans (RBMP). The RBMP relevant to the site comprises the Humber River Basin District. A 38.7km section of the River Wreake which includes in its catchment Rearsby Brook was classified by the EA in 2019 under the WFD as “Poor” with respect to ecological quality and “Fail” with respect to chemical quality. The poor status with respect to ecological quality was recorded in respect of macrophytes and phytobenthos combined and phosphate due to a diffuse source from poor nutrient and livestock management under the agriculture and rural land management category and a point source from sewage discharge under the water industry category. The fail status with respect to chemical quality was recorded in respect of the priority hazardous substances mercury and its compounds, polybrominated diphenyl ethers (PBDE) and perfluorooctane sulphonate (PFOS) which were recorded as natural conditions for mercury and PBDE and no information was given for PFOS. Based on information provided by the EA the site is within a Nitrate Vulnerable Zone for surface water.
- 3.14** From information obtained from the EA there are three licensed surface water abstractions from four locations within 2km of the site. One of the abstractions is for spray irrigation from a location on Rearsby Brook downstream and approximately 1.9km west south west from the site. The three remaining abstractions are from the River Wreake upstream of the confluence with the Rearsby Brook, a tributary of the Gaddesby Brook and from the Gaddesby Brook. The Gaddesby Brook generally flows from east to west approximately 2km south of the site joining the River Wreake approximately 4km south west of the site and downstream of Rearsby Brook. Based on information provided by Charnwood Borough Council and Melton Borough Council there are no private water supplies from surface watercourses within 2km of the site. The locations of the licenced surface water abstractions within 2km of the site are shown on Figure ESSD 5 and details of the abstractions are presented at Appendix ESSD G.

- 3.15** Based on information provided by the EA there are two records of environmental permits to discharge to surface water within 1km of the site. One of these consented discharges is to Rearsby Brook and associated with quarry operations at the site reference T/55/46030/T. It is understood that discharge is permitted to the reach of the Rearsby Brook that flows through the Brooksby Quarry Complex from the north of Phase 18b to the south of Phase 13a at a rate of up to 9,200m³/day (maximum instantaneous discharge of 106l/s). It is understood that discharge is permitted when the Rearsby Brook is less than $\frac{3}{4}$ bank full at the point of discharge and the Rearsby Brook is within the banks downstream as it flows through the village of Rearsby. The second consented discharge is at Hive Farm located approximately 400m to the north west of the site and is associated with an animal care teaching facility. Details of the consented discharges within 2km of the site and a copy of consent reference T/55/46030/T are presented in Appendix ESSD G.
- 3.16** Based on information provided by the EA no major (Category 1) or significant (Category 2) pollution incidents to land or water have been recorded within 2km of the site. One minor (Category 3) pollution incident affecting water is recorded within 500m of the site relating to an unspecified authorised activity at Brooksby Grange Farm to the west of the site. Details of the pollution incidents affecting land or water classified as Category 4 or above within 2km of the site are presented in Appendix ESSD G.
- 3.17** Surface water levels in the Rearsby Brook are monitored at notch weirs adjacent to boreholes FLU1 and FLU2 (Figure ESSD 4) in the central area of the Brooksby Quarry complex (east of Phase 12). It is understood that the condition of the notch weirs is such that it is not feasible to obtain a reliable estimate of the discharge within the Rearsby Brook at either location.
- 3.18** The quality of the Rearsby Brook is monitored to the west north west of the site (S1) and on the southern boundary of Phase 12 (S2) in accordance with conditions of Environmental Permit Number EPR/CB3504CQ for the inert waste landfill at the Brooksby Quarry complex. Surface water quality monitoring data is presented at Appendix ESSD H. Graphs showing the variation in surface water quality at surface water monitoring points S1 and S2 are shown at Appendix ESSD I Based on the available surface water monitoring data from monitoring locations S1, S2 and S3 recorded between June 2015 and April 2023 chloride concentrations range between

23mg/l and 61mg/l, ammoniacal nitrogen concentrations range between <0.01mg/l and 1.5mg/l, sulphate concentrations range between 68mg/l and 241mg/l and nickel concentrations range between <0.001mg/l to <0.005mg/l and 0.003mg/l. Cadmium has been recorded generally below the analytical detection limit of 0.0006mg/l with a maximum concentration of 0.00019mg/l recorded at S1 during August 2017. Zinc has been recorded above the analytical method detection limits of 0.018mg/l and 0.002mg/l in three out of twenty samples taken at S1, S2 and S3. Chromium, lead and mercury have not been recorded above the respective analytical method detection limits.

- 3.19** pH of the surface water in the Rearsby Brook at surface water monitoring points S1 and S2 generally is in the range 7.6 to 8.7. Electrical conductivity values recorded in the surface water at the site generally range between 462 $\mu\text{S/cm}$ and approximately 970 $\mu\text{S/cm}$.

Hydrogeology

- 3.20** Information on the hydrogeology of the site is taken from information provided by the EA, Charnwood Borough Council and Melton Borough Council, from the logs of boreholes drilled at the site and from groundwater monitoring data for the period from 1998 to September 2021.

Aquifer Characteristics

- 3.21** The superficial alluvium and colluvium deposits are likely to vary in hydraulic conductivity depending on the proportions of clay, silt, sand and gravel present. The Wolston Glaciogenic Formation generally comprises glacial till, clay and silt and is likely to have a low hydraulic conductivity. The Bytham Sand and Gravel Formation is likely to have a moderate to high hydraulic conductivity. The sand and gravel superficial deposits at the site are water bearing. Based on calculations carried out for groundwater flow in the sand and gravel deposits at the site as part of the planning application for the development compared with recorded discharge rates from the operational site a best estimate of hydraulic conductivity of 50m/day or 0.00058m/s was assumed for the Bytham Sand and Gravel Formation.

- 3.22** It is considered that the Mercia Mudstone Group bedrock will have a low hydraulic conductivity as it comprises generally mudstones and siltstones. Groundwater in the superficial deposits is likely to be supported on the underlying bedrock.
- 3.23** The alluvium at the site is designated by the EA as a Secondary A aquifer, and the colluvium is designated as a Secondary B aquifer. The superficial sand and gravel deposits comprising the Bytham Sand and Gravel Formation are designated by the EA as Secondary A aquifers. The Thrussington Till Member of the Wolston Glaciogenic Formation is designated by the EA as a Secondary (undifferentiated) aquifers.
- 3.24** The Mercia Mudstone Group underlying the site comprising the Blue Anchor Formation and Branscombe Mudstone Formation is designated by the EA as a Secondary B aquifer. The groundwater vulnerability is consistent with the aquifer designations by the EA and is shown on maps in the Envirocheck report presented at Appendix ESSD C.
- 3.25** The site is not located within a Source Protection Zone (SPZ) of a public water supply. There are no SPZs within 5km of the site.
- 3.26** From information obtained from the EA there is one licensed groundwater abstraction, three unlicensed groundwater abstractions and three deregulated groundwater abstractions located within 2km of the site. From information obtained from Charnwood Borough Council there are two private groundwater supplies located within 2km of the site. Melton Borough Council has confirmed that there are no private groundwater abstractions located within 2km of the site within Melton Borough. Two of the unlicensed groundwater abstractions listed by the EA are the duplicates of the two private groundwater supplies listed by Charnwood Borough Council. In total there are seven licensed, unlicensed, deregulated or private groundwater abstractions located within 2km of the site.
- 3.27** The licensed groundwater abstraction is for Brooksby Quarry and comprises an abstraction from sand and gravels at the plant site for mineral washing and concrete production. The three deregulated groundwater abstractions are located in or near to Rearsby to the west and west south west of the site and are for general farming and domestic use the closest of which is located approximately 760m west of the site. The private groundwater supplies for domestic use listed by Charnwood Borough

Council are located approximately 480 west south west and approximately 860m west south west of the site. The third unlicensed groundwater abstraction listed by the EA is used for agriculture approximately 1.3km east north east of the site. The source of the unlicensed, deregulated and private groundwater abstractions is not available. It is assumed, conservatively, that the source of the abstractions comprise groundwater in the sand and gravel superficial deposits. The locations of the licenced, unlicensed, deregulated and private groundwater abstractions within 2km of the site are shown on Figure ESSD 5 and details of the abstractions are presented at Appendix ESSD G.

Groundwater flow

3.28 Groundwater levels in the superficial deposits have been monitored at forty five groundwater monitoring boreholes at and in the vicinity of the Brooksby Quarry complex including the site. Groundwater in the main Bytham Sand and Gravel Formation mineral deposit are monitored in thirty three of the boreholes. Groundwater in perched sand and gravel deposits or clayey strata of the overlying alluvial, glaciofluvial deposits or Wolston Glaciogenic Formation is monitored in ten of the boreholes in the north east and to the north east of the site (BH3/07, BH6/07, BH7/07U, BH7/07L, BH11/07, NEW BARN, OLD BARN, Old Barn BHB, WM1/10 and WM2/10). Groundwater levels in the superficial deposits adjacent to Rearsby Brook are monitored in boreholes FLU1 and FLU2 located to the east south east of Phases 12 to 13c. The locations of the groundwater monitoring boreholes are shown on Figure ESSD 4. Groundwater level monitoring data for the period December 1998 to October 2022 are presented at Appendix ESSD H together with hydrographs showing the variation in groundwater levels in the monitoring boreholes with time presented at Appendix ESSD I.

3.29 It is understood that operations at the Brooksby Quarry Complex started in mid-2006 with the construction of the silt lagoon. A hydrograph (Figure J1) showing the variation in groundwater levels recorded at monitoring boreholes WM01 to WM12b is presented at Appendix ESSD I. Drawdown associated with construction of the silt lagoon is shown in the groundwater level data recorded for boreholes WM08 and WM09 in July to September 2006. Following the drawdown in groundwater levels in July to September 2006 the hydrograph shows a period of rapid recovery followed by a rising trend in groundwater levels at boreholes WM03, WM04 and WM08 to WM12B

with a peak in mid-2010 to early 2011. A falling trend in groundwater levels is recorded in boreholes WM03, WM04 and WM08 to WM12B between early 2011 and September 2017. It has been interpreted in previous reports for the site that these long term trends in groundwater level recorded at boreholes WM03, WM04 and WM08 to WM12B since mid 2006 may reflect an increase followed by a decrease in the rate of leakage from the lagoons in the plant site area.

- 3.30** The rapid rise in groundwater levels in October 2019 at all of the WM boreholes with the exception of WM06 together with the subsequent fall and rise in groundwater levels in late 2020 and early 2021 are considered to reflect the significant rainfall over the autumn and winter of 2019/2020 and the winter of 2020/2021 and to a lesser extent groundwater management at the site. From February 2020 onwards, groundwater levels at boreholes WM08 and WM09 located adjacent to the Rearsby Brook and the silt lagoon to the east of Phase 12 remain elevated at similar levels to those recorded at borehole WM5 located further north east of the silt lagoon.
- 3.31** Groundwater level contours interpolated from groundwater levels recorded in May 2006 at monitoring boreholes WM01 to WM09 are presented on Figure ESSD 6 and comprise pre-extraction groundwater levels showing groundwater flow was to the south west to west generally in the direction of flow of Rearsby Brook. Prior to extraction the hydraulic gradient across the Brooksby Quarry complex was in the order of 0.003 with a more shallow gradient of approximately 0.00025 in the area of Brooksby Quarry Complex to the south east of the site.
- 3.32** The groundwater levels at boreholes located in the vicinity of the easternmost part of Brooksby Quarry Complex are shown on hydrographs Figures J2A and J2B at Appendix ESSD I. Groundwater levels monitored in the boreholes located at and in the vicinity of the central area of Brooksby Quarry Complex are shown on a hydrograph Figures J3 at Appendix ESSD I. Groundwater levels monitored in the boreholes located at and in the vicinity of the site (Phases 12 to 13c) in the west of Brooksby Quarry Complex are shown on a hydrograph Figures J4 at Appendix ESSD I.
- 3.33** Groundwater levels monitored in perched sand and gravel deposits or clayey strata of the overlying alluvial, glaciofluvial deposits or Wolston Glaciogenic Formation are included on Figure J2A with groundwater levels monitored in the main Bytham Sand and Gravel Formation mineral deposit only presented on Figure J2B. It is considered

that the shallow groundwater (included on Figure J2A) is not in hydraulic continuity with the groundwater in the main Bytham Sand and Gravel Formation mineral deposit at the site.

- 3.34** Groundwater levels monitored in the main Bytham Sand and Gravel Formation mineral deposit in the vicinity of the site (Figures J2B, J3 and J4) generally are within the ranges recorded in the WM series of boreholes (Figure J1). Groundwater levels across the site (Phases 12 to 13c) generally fall from approximately 65mAOD at borehole FLU2 to the east to approximately 60mAOD to the south west (CHEW).
- 3.35** During the operational period of the site groundwater levels in the vicinity of the lagoons in the central Brooksby Quarry complex area are elevated compared with surrounding boreholes and groundwater levels in the vicinity of the extraction areas are low compared with surrounding boreholes consistent with groundwater management at the site.
- 3.36** The level of the Rearsby Brook falls as it flows through the Brooksby Quarry Complex from approximately 71mAOD at the eastern edge of the quarry complex to approximately 65mAOD to the south of Phase 13a (Appendix ESSD B). Based on the pre-extraction groundwater levels presented on Figure ESSD 6, the level of the watercourse is approximately 4m above the groundwater level as it enters the Brooksby Quarry Complex in the north east and approximately 2.5m above the groundwater level as it leaves the Brooksby Quarry Complex adjacent to the site in the south west. Based on the high (February 2020) groundwater levels presented on Figure ESSD 6, the level of the watercourse is approximately 4m above the groundwater level as it enters the Brooksby Quarry Complex in the north east and approximately 1.5m above the groundwater level as it leaves the Brooksby Quarry Complex adjacent to the site in the south west. The level of the Rearsby Brook is approximately 63mAOD to the south of Phase 12 (Appendix ESSD B and Figure ESSD 7). It is considered that the Rearsby Brook is elevated above and hydraulically separate from the groundwater in the main Bytham Sand and Gravel Formation deposits as it flows through the north east and central areas of Brooksby Quarry Complex. It is likely that groundwater discharges to the Rearsby Brook from the area of the site in the west of Brooksby Quarry Complex and to the west and down hydraulic gradient and downstream of the site. Cross sections showing the

relationship between the geology, the groundwater levels and the level of the Rearsby Brook are shown on Figure ESSD 7.

- 3.37** It is considered that the deregulated and private groundwater abstractions located to the west and to the west south west of the site are located down hydraulic gradient of the site (reference numbers 5, 6, 7, 9 and 10 on Figure ESSD 5).

Groundwater flow and the proposed development

- 3.38** It is proposed that site will be backfilled by placing site derived overburden materials against the excavation side slopes and through the placement of imported inert materials to the approved restoration levels. As illustrated on the cross sections presented at Figure ESID 7, there is no pathway from the imported inert materials to the groundwater in the sand and gravel.

Groundwater Quality

- 3.39** The quality of the groundwater at and in the vicinity of the site is classified by the Environment Agency under the WFD with the classifications and objectives presented in the Humber River Basin Management Plan. The superficial deposits are classified under the surface water catchments in respect of quality as detailed in the hydrology section of the ESSD. The superficial deposits are classified as water available in respect of quantitative status in the Soar Abstraction Licensing Strategy⁵. The bedrock Secondary B aquifer (Mercia Mudstone Group) forms part of the Soar Secondary Combined groundwater body. The Soar Secondary Combined groundwater body was classified by the Environment Agency in 2019 under the WFD as “Good” with respect to quantitative status and “Good” with respect to chemical quality.
- 3.40** Tarmac has been undertaking groundwater quality monitoring at a number of monitoring locations round the site since 2008. Groundwater quality monitoring data is presented at Appendix ESSD H. Graphs showing the variation in groundwater quality at and in the vicinity of the site are shown at Appendix ESSD I.

⁵ Environment Agency. 2020. Soar Abstraction Licensing Strategy. Report reference LIT 2646. Dated August 2020.

Hazardous substances

- 3.41** Arsenic has been monitored in the groundwater at monitoring boreholes BH2/17 and BH3/17 to the north east of Phases 12 to 13c between 30 August 2019 and October 2022 and at borehole CHEW to the south west of Phases 12 to 13c in September in 2019 and 2022 with concentrations generally below or equal to the analytical detection limit which is typically 0.001mg/l. Arsenic was recorded in the groundwater at monitoring boreholes BH2/17 and BH3/17 between 30 August 2019 and 2 September 2019 at concentrations of 0.0002mg/l. Arsenic has been recorded at concentrations ranging between <0.001mg/l and 0.006mg/l at boreholes WM01, WM02 and BH18/PZA between June 2022 and May 2023.
- 3.42** Mercury concentrations recorded in the groundwater at monitoring boreholes at and in the vicinity of the site generally are recorded at concentrations below the analytical detection limit which ranges between 0.000005mg/l and 0.00025mg/l. Mercury concentrations of 0.00021mg/l and 0.00006mg/l were recorded in the groundwater at borehole BH3/17 in May 2017 and November 2020.
- 3.43** Lead concentrations recorded in the groundwater at monitoring boreholes at and in the vicinity of the site generally are recorded at concentrations below the analytical detection limit which ranges between 0.0000003mg/l and 0.0015mg/l. Exceptions include the data for the majority of the boreholes sampled in May 2017 with a maximum concentration of 0.0007mg/l recorded in the groundwater at borehole BH3/17. During the review period the analytical detection limits are also occasionally exceeded at boreholes BH2/17 and BH3/17 with a maximum concentration of 0.0032mg/l recorded in the groundwater at borehole BH2/17 in February 2019.
- 3.44** Chromium VI comprises a hazardous substance. Conservatively for the purpose of reviewing the groundwater quality for the site it is assumed that the chromium recorded in the groundwater could comprise chromium VI. Chromium concentrations recorded in the groundwater at monitoring boreholes at and in the vicinity of the site are generally recorded at concentrations below the analytical detection limit which ranges from 0.000001mg/l to 0.005mg/l. Concentrations above the analytical detection limit were occasionally recorded in the groundwater at boreholes BH2/17, BH3/17 between April 2017 and November 2018 and on three occasions at the detection limit at CHEW well between October 2019 and April 2022. The maximum

concentration of 0.003mg/l was recorded in the groundwater at borehole BH3/17, in May 2017.

Non-hazardous pollutants

- 3.45** In general, ammoniacal nitrogen concentrations recorded in the groundwater at monitoring boreholes at and in the vicinity of the site were less than the UK Drinking Water Standard (DWS) of 0.39mg/l and frequently below the analytical method detection limit which ranges from 0.01mg/l to 0.3mg/l over the review period. Occasional exceedances of the DWS are recorded in the groundwater at the site at boreholes BH2/17, BH3/17, CHEW well and WM02 from March 2017 to September 2022, with exceedance values ranging between 0.4mg/l recorded at borehole SF5 during March 2021 and 1.1 mg/l recorded at borehole BH3/17 during March 2017.
- 3.46** Chloride concentrations recorded in the groundwater at boreholes at and in the vicinity of the site were less than the DWS of 250mg/l and range between <1mg/l and 106mg/l. An elevated chloride concentration of 160mg/l was recorded in November 2019 in the groundwater at borehole CHEW well located to the south west of Phases 13a and 13c and approximately 0.5km down hydraulic gradient of the site. Chloride concentrations remaining elevated in the groundwater at borehole CHEW well between 120mg/l and 135mg/l until March 2020 following which chloride concentrations fell to within or below the ranges recorded elsewhere at the site.
- 3.47** In general, sulphate concentrations recorded in the groundwater at monitoring boreholes at and in the vicinity of the site were less than the DWS of 250mg/l and range between 12mg/l and 183mg/l with the exception of at the CHEW well. Sulphate concentrations recorded during the monitoring period at the CHEW well range between <3mg/l and 244mg/l with a spuriously high concentration of 1,170mg/l recorded in April 2022.
- 3.48** Cadmium concentrations recorded in the groundwater at monitoring boreholes at and in the vicinity of the site were less than the DWS of 0.005mg/l. Cadmium has been recorded at concentrations intermittently above the analytical detection limit of 0.00002mg/l up to a maximum concentration of 0.00037mg/l.
- 3.49** In general, nickel concentrations recorded in the groundwater at monitoring boreholes at and in the vicinity of the site were less than the DWS of 0.020mg/l.

Nickel has been recorded at concentrations intermittently above the analytical detection limits of between 0.001mg/l and 0.005mg/l in groundwater samples at the majority of boreholes at and in the vicinity of the site within the range of detection limits.

- 3.50** There is no DWS for zinc. The maximum threshold value (TV) for zinc in groundwater of 0.0231mg/l is set for groundwater impacts on surface water in Schedule 5 of the WFD Standards and Classifications Directions⁶. Zinc concentrations recorded in the groundwater at and in the vicinity of the site have been recorded above the TV on occasion at the majority of locations and range between <0.000002mg/l and 0.131mg/l. Zinc concentrations have been recorded above the TV in thirteen out of the thirty two groundwater samples taken since October 2019 from the CHEW well to the south west of the site with a maximum of 0.109mg/l recorded in January 2022.

Indicator substances

- 3.51** pH of the groundwater at the site generally is in the range 7 to 8.7. Electrical conductivity values recorded in the groundwater at boreholes at and in the vicinity of the site are less than the DWS of 2,500 µS/cm and generally are below 1,500µS/cm at the majority of the boreholes with the exception of the CHEW well located to the south west of Phases 13a and 13c and approximately 0.5km down hydraulic gradient of the site. Electrical conductivity values of up to 1,940 µS/cm and 1,620 µS/cm were recorded in November and December 2019 respectively at in the groundwater at borehole CHEW. An electrical conductivity value of 1,520 µS/cm was recorded in February 2020 and a value of 1,950µS/cm was recorded in April 2022 in the groundwater at the CHEW well borehole. At all other times electrical conductivity values were less than 1,500 µS/cm at the boreholes.

Man-made subsurface pathways

- 3.52** The site is crossed by overhead power lines which run generally north west to south east across the western half of the site. We are informed by Tarmac that there are no operational public utility services running underneath the application area.

⁶ The Water Framework Directive (Standards and Classification) Directions (England and Wales) 2015.

Amenity, habitats and natural heritage receptors

- 3.53** The sensitive receptors identified in respect of amenity, habitats and natural heritage that could be affected by activities at the site are shown in the Figures ESSD 2. An amenity Environmental Risk Assessment is provided at Appendix H of the permit application report.

4. Pollution control measures and monitoring

Basal and side slope engineering

4.1 The works comprise the permanent deposit of waste on land as a recovery activity in order to restore phases 12, 13a and 13c to agriculture at the Brooksby Quarry complex. The restoration works will be carried out progressively and prior to the placement of the imported inert waste into each phase dewatering will continue from the mineral extraction operations such that wastes will not be deposited directly into water.

4.2 The waste materials imported to the site will comprise a limited range of inert wastes only. Inert waste is defined in the EU Landfill Directive (Council Directive 1999/31/EC) as:

'...waste that does not undergo any significant physical, chemical or biological transformations. Inert waste will not dissolve, burn or otherwise physically or chemically react, biodegrade or adversely affect other matter with which it comes into contact in a way likely to give rise to environmental pollution or harm human health. The total leachability and pollutant content of the waste and the ecotoxicity of the leachate must be insignificant, and in particular not endanger the quality of surface water and/or groundwater'.

4.3 It is considered that the waste does not comprise a contaminant source with the potential to have a significant detrimental effect on groundwater quality. Notwithstanding this, as the excavated side slopes include sand and gravel deposits it is proposed that an attenuation layer equivalent to a natural geological barrier 1m thick is constructed against the side slopes of the excavated quarry void prior to the placement of restoration materials. The attenuation layer will comprise suitable clayey overburden from the mineral extraction operations at the site. As part of the mineral extraction operations overburden materials comprising sandy gravelly clay are stripped from the site and stored in bunds while the sand and gravel is extracted. The sand and gravel is extracted down to the underlying low permeability Mercia Mudstone Group bedrock. A minimum of 1m of silty clay comprising weathered bedrock has been proved beneath the mineral deposit at the site confirming a natural

geological barrier across the base of the site and no significant pathway for vertical movement from the waste beneath the site.

- 4.4** Site derived clayey overburden has been placed along the western, northern and eastern side walls of the excavation in order to limit groundwater inflow into the void. Groundwater inflow from the south of Phases 12, 13a and 13c is limited by the dewatering operations undertaken within the wider quarry complex and to the east of these phases. The eastern sidewall comprises the boundary with Phase 11 which has been restored using site derived clayey overburden. The presence of the site derived overburden along the western and northern sidewalls comprises an attenuation layer between the quarry void and the saturated Bytham Sand and Gravel Formation deposits surrounding the site. It is proposed that the placement of site derived overburden is continued along the southern side wall to form a continuous attenuation layer round the perimeter of the void. The inert waste placed within the quarry void and the groundwater within the Bytham Sand and Gravel Formation will therefore be separated by the re-placed overburden following the restoration of the wider site complex and rebounding of groundwater levels due to the cessation of groundwater management operations. A schematic cross section through the site is shown on Figure ESSD 7.
- 4.5** Brooksby Quarry complex is operated in accordance with the Quarry Regulations 1999. The certified ISO 14001 EMS is implemented at the site. The backfilling with overburden is subject to the requirements of the Quarry Regulations 1999 and the EMS.
- 4.6** Given that the overburden comprises sandy gravelly clay it is considered highly likely that the replaced site derived overburden in the side slopes will comprise a minimum 1m thick mineral attenuation layer with a hydraulic conductivity no greater than 1×10^{-7} m/s and likely to be considerably lower. As a precaution and as a minimum, the top 1m of the backfilled site derived overburden will be the subject of Construction Quality Assurance (CQA) to confirm a hydraulic conductivity no greater than 1×10^{-7} m/s consistent with the conditions of the permit. Where site derived clayey overburden has not been placed along the southern side walls of the excavation as part of the restoration of the wider Brooksby Quarry Complex outside of the proposed permit boundary, the construction of the sidewall attenuation layer will be the subject of CQA consistent with the conditions of the permit. The basal slope in situ Mercia

Mudstone Group will be the subject of CQA to confirm confirming a natural geological barrier across the base of the site and no significant pathway for vertical movement from the waste beneath the site consistent with the conditions of the permit.

Capping

- 4.7** As the materials imported to the site will comprise inert waste materials only it is not necessary to construct a cap or to provide cap protection soils. Soils will be placed above the imported inert materials consistent with the approved restoration scheme for the site.

Restoration

- 4.8** Pursuant to the conditions of planning permission reference 2018/CM/0123/LCC the site will be restored to agriculture. The approved restoration scheme is presented at Appendix ESSD E.

Water management

- 4.9** The sand and gravel deposit at the site is water bearing. As discussed above pumping to facilitate dewatering is being carried out as necessary during the operational life of the mineral workings and will be carried out until the level of the backfilled site derived overburden or imported waste is above the natural groundwater level. Groundwater will continue to be pumped as necessary to the settlement ponds at the site prior to use in the wash plant under abstraction licence MD/028/0055 or consented discharge to the Rearsby Brook. The ponds at the site are labelled on Figure ESSD 4. A copy of discharge consent reference T/55/46030/T for the site is presented at Appendix ESSD G. The quarry dewatering and the mineral washing activities are the subject of an application for a transfer Abstraction Licence Reference NPS/NA/000835 and variation to a full Abstraction Licence Reference NPS/NA/000834 under transitional regulations. The application was validated in December 2019 and issued in November 2022.
- 4.10** As the site will not be capped rainfall incident to the site will continue to either be lost through evapotranspiration, infiltrate to the ground or will run off to the wider surface water management system. It is likely that the imported inert material will be similar in nature to the in situ sandy gravelly clay overburden. Restoration soils will be placed above the imported inert materials. It is not necessary to install a drainage layer at

the site as inert waste only will be deposited at the site hence the site will present a negligible risk to controlled waters.

Post closure controls (aftercare)

- 4.11** As only inert waste materials will be deposited at the site no leachate or landfill gas management systems will be necessary. Under the Environmental Permitting (England and Wales) Regulations 2016 (as amended) the Environmental Permit may be surrendered only when it is concluded that the facility no longer presents a risk to the environment. As only inert waste will be deposited at the site an application will be submitted to surrender the Environmental Permit following the collection of monitoring data over only a limited period of time following the completion of the works at the site. The surrender application will be supported by the records of the waste materials accepted at the site and of gas and groundwater monitoring records which will confirm the inert nature of the wastes deposited.

Gas monitoring

- 4.12** EA guidance on Waste recovery plans and deposit for recovery permits⁷ (the recovery guidance) states the following under the heading 'Gas monitoring':-

'Where your risk assessment suggests there is a risk of gas and you plan to deposit waste more than 2 metres below the surrounding ground surface, you must monitor your waste for:

- *methane*
- *carbon dioxide*
- *oxygen*

You must install the appropriate number of monitoring boreholes per hectare as indicated by your risk assessment. The boreholes must extend to the full depth of the waste.'

⁷ <https://www.gov.uk/government/publications/deposit-for-recovery-operators-environmental-permits/waste-recovery-plans-and-deposit-for-recovery-permits>

4.13 As shown in the Environmental Risk Assessment presented at Appendix H of the permit application report based on the inert nature of the waste that will be deposited at the site the potential for landfill gas generation is negligible. On this basis it is considered that gas monitoring at the site is unnecessary.

4.14 Although the site does not comprise an inert waste landfill site it is considered that the guidance presented in LFTGN03⁷ in respect of the scope of a gas risk assessment for the deposit of inert waste on land is the nearest relevant guidance. In paragraph 2.3.1 of LFTGN03 it is stated that:-

'New inert landfills ought not to pose a landfill gas hazard. The emphasis in the risk assessment should, therefore, be placed on the Waste Acceptance Procedures and particularly the waste characterisation and compliance monitoring measures introduced to ensure that only inert waste is deposited at the site. If these measures can be shown to be robust, then the landfill gas source should be demonstrably negligible. Provisions for the monitoring of gas within the waste body will normally be required at inert waste landfills.'

4.15 The site will be the subject of an Environmental Permit restricting the waste types accepted at the site to inert wastes only hence in accordance with paragraph 2.3.1 of LFTGN03 should not pose a gas hazard. Robust waste acceptance procedures (WAP) will be implemented to minimise the risk that non-inert wastes will be accepted at the site. The robust WAP will form part of the externally accredited Environmental Management System (EMS) for the site. Based on the robust waste acceptance procedures it is concluded that the site will comprise a negligible source of gas.

4.16 Nonetheless a programme of confirmatory gas monitoring will be carried out at the site. It is stated in the recovery guidance that:-

'You can rely on searcher bar (also called spike test) monitoring where the total depth of the waste is less than 4 metres, or before the deposit is complete. You must record the atmospheric pressure when you take gas readings.'

⁷ Environment Agency Guidance on the management of landfill gas. LFTGN03. September 2004.

- 4.17** As explained in Section 3, the thickness of workable sand and gravel ranges between approximately 3m and 5m approximately. It is proposed, in line with recovery guidance, that searcher bar monitoring is used to monitor gas from the inert waste materials during the operational period. In areas of the site where the waste depth may exceed 4m consideration will be given during the operational period to the installation of in waste gas monitoring boreholes. Whether or not in waste gas monitoring boreholes are installed during the operational period will depend on the actual extracted profile and the waste thickness, the progression of the infilling and restoration operations, the results of monitoring using the searcher bar technique and any practical difficulties associated with the installation of boreholes at an operational site. The need to install operational in waste gas monitoring boreholes will be agreed with the EA with reference to the latest guidance. The programme of operational gas monitoring is presented in Table ESSD 2 and a Gas Action Plan is presented at Table ESSD 3.
- 4.18** In accordance with the recovery guidance post closure in waste gas monitoring boreholes will be installed. It is proposed that the number and location of post closure in waste gas monitoring boreholes will be determined based on the actual extracted profile and the restored profile and the results of the monitoring during the operational period and will be agreed with the EA with reference to the latest guidance. The post closure monitoring will be agreed with the EA.

Groundwater monitoring and surface water monitoring

- 4.19** No biodegradable waste materials will be deposited at the site which could result in the generation of leachate. Only inert wastes will be deposited at the site which have a limited potential for leaching of contaminants. As illustrated on the cross sections presented at Figure ESSD 7, there is no pathway for direct discharge from the imported inert materials to the groundwater in the sand and gravel.
- 4.20** Nonetheless a programme of confirmatory groundwater monitoring is presented in Table ESSD 2. The monitoring will be carried out during the operation of the site and for a limited period following the restoration of the site. The groundwater monitoring locations are shown on Figure ESSD 8. Interim groundwater quality compliance and assessment limits are presented in Table HRA 2 of the HRA based on a review of datasets recorded in the monitoring boreholes.

- 4.21** As the proposed groundwater monitoring will be sufficient to confirm the environmental performance of the site it is considered unnecessary to set surface water quality compliance and assessment limits. Notwithstanding this it is proposed that surface water monitoring is undertaken at the three locations shown on Figure ESSD 8. S1 and S2 are consistent with the locations monitored under Environmental Permit number EPR/CB3504CQ. In respect of the proposed development the subject of this application S1 is located in the Rearsby Brook upstream of the area of the Brooksby Quarry Complex the subject of Environmental Permit number EPR/CB3504CQ . S2 is located in the Rearsby Brook upstream of Phases 12 to 13c and downstream of Environmental Permit number EPR/CB3504CQ and Brooksby Quarry lagoons and plant site. S3 is located in the Rearsby Brook downstream of the site the subject of the application. The programme of surface water monitoring is presented in Table ESSD 2. During the operational phase of the site the discharge of water from the water management system to the Rearsby Brook will be the subject of discharge limits consistent with the current consented discharge to the Rearsby Brook (Reference T/55/46030/T).
- 4.22** The post closure monitoring will be agreed with the Environment Agency.

5. Site Condition Report

5.1 The application is necessary to authorise the permanent deposit of waste on land to restore the site in accordance with the obligations in the planning permission. The section of the former ESSD guidance⁸ relevant to the preparation of a Site Condition Report states:

“A site condition report (SCR) is not necessary for parts of a permitted activity where you permanently deposit waste. An SCR is necessary for areas of the permitted site where you have not deposited any waste (eg site access areas, site offices, weigh bridge, wheel wash etc)”

5.2 As the Environmental Permit boundary comprises only the extent of the area in which waste will be deposited permanently there are no areas of the site in which waste will not be deposited hence accordingly it is unnecessary to provide an SCR with the application.

⁸ Conceptual Site Model, Environmental Setting and Site Design Report” Version 1 dated 14 October 2016

TABLES

Table ESSD 1

Waste types that may be accepted at Brooksby Quarry for deposition as a recovery activity

Waste Code	Description (consistent with SR2015_No39 were appropriate)	Restrictions (consistent with SR2015_No39 where appropriate)
01 01	Wastes from mineral excavation	-
01 01 02	wastes from non-metalliferous excavation	Restricted to waste overburden and interburden only
01 04	wastes from physical and chemical processing of non-metalliferous minerals	-
01 04 08	waste gravel and crushed rocks other than those containing dangerous substances	-
01 04 09	waste sand and clays	-
01 04 12	Tailings and other wastes from washing and cleaning of minerals other than those mentioned in 01 04 07 and 01 04 11	-
10 12	wastes from the manufacture of ceramic goods, bricks, tiles and construction projects	-
10 12 08	Waste ceramics, bricks, tiles and construction products (after thermal processing)	-
17 01	Concrete, bricks, tiles and ceramics	-
17 01 01	Concrete	-
17 01 02	Bricks	-
17 01 03	Tiles and ceramics	-
17 01 07	Mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	Metal from reinforced concrete must have been removed.
17 05	soil (including excavated soil from contaminated sites) stones and dredging spoil	-
17 05 04	soil and stones other than those mentioned in 17 05 03	Restricted to topsoil, peat, subsoil and stones only.
19 12	Wastes from the mechanical treatment of waste (for example, sorting, crushing, compacting, pelletising) not otherwise specified	-
19 12 09	minerals (for example sand, stones)	Restricted to wastes from treatment of waste aggregates that are otherwise naturally occurring minerals. Does not include fines from treatment of any non-hazardous waste or gypsum from recovered plasterboard.
20 02	Garden and park wastes (including cemetery waste)	-
20 02 02	soil and stones	Restricted to topsoil, peat, subsoil and stones only.

Table ESSD 2

Programme of environmental monitoring during the operational phase of the site

	Location	Frequency	Determinants
Groundwater	WM01, WM03, BH18/PzA, BH2/17 and BH3/17 shown on Figure ESSD 8	Quarterly	Water level in the borehole together with level of the base of the borehole where such measurements are practicable. pH, electrical conductivity, ammoniacal nitrogen, arsenic, cadmium, chloride, copper, lead, mercury, nickel, sulphate, toluene and zinc.
Surface water	Surface water monitoring locations S1, S2 and S3 shown on Figure ESSD 8		Ammoniacal nitrogen, arsenic, cadmium, chloride, copper, pH, electrical conductivity, lead, mercury, nickel, toluene, zinc, visible oil/grease, suspended solids.
Gas (searcher bar locations internal to the waste) ¹	Two points per hectare	Six monthly	Methane, carbon dioxide and oxygen concentrations ²

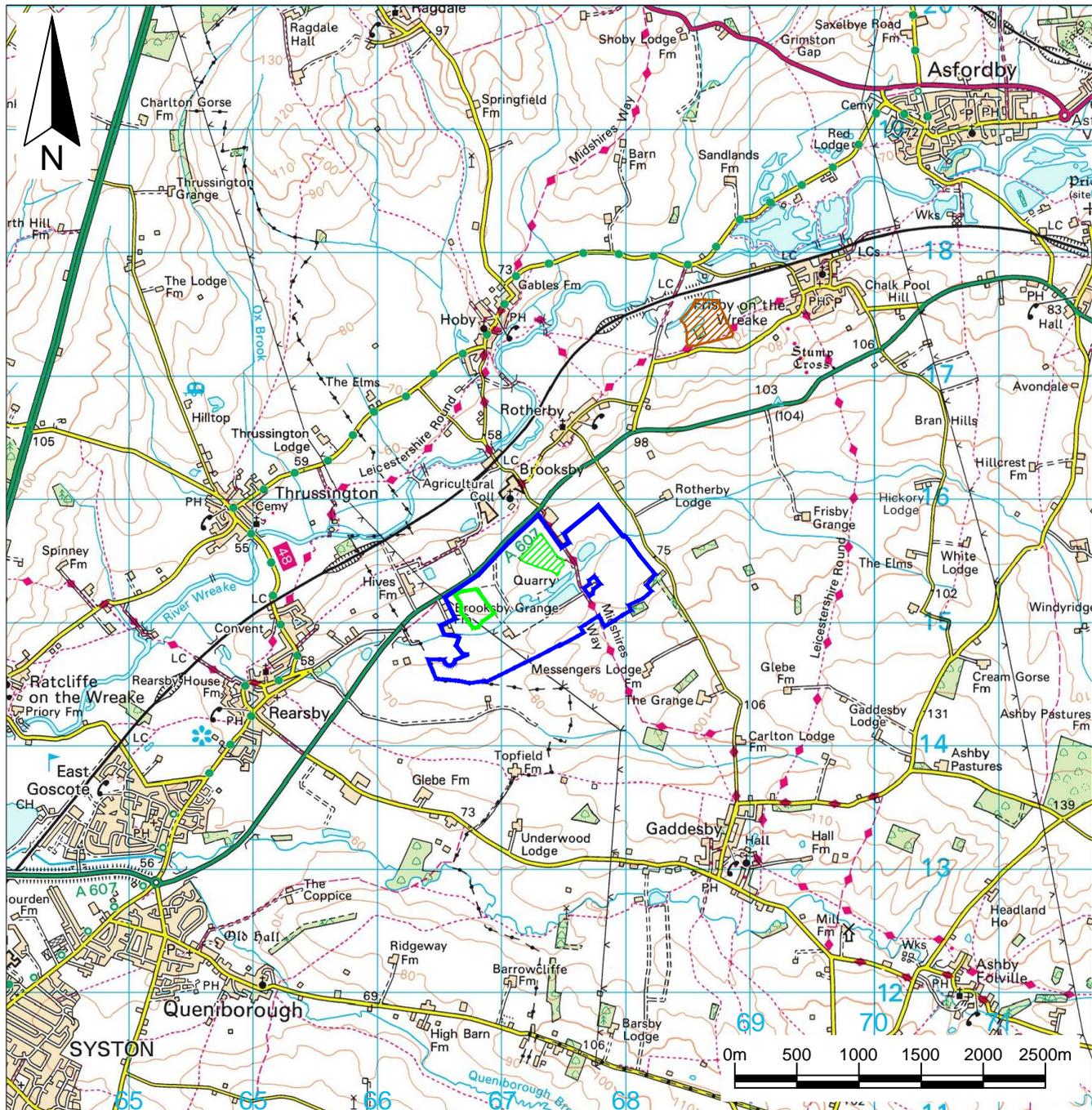
1. In areas of the site where the waste depth may exceed 4m consideration will be given during the operational period to the installation of in waste gas monitoring boreholes. Whether or not in waste gas monitoring boreholes are installed during the operational period will depend on the actual extracted profile and the waste thickness, the progression of the infilling and restoration operations, the results of monitoring using the searcher bar technique and any practical difficulties associated with the installation of boreholes at an operational site.
2. Meteorological and ground conditions will be recorded during each monitoring visit.

TABLE ESSD 3

Gas Action Plan

Parameter	Action limit ¹ (% by volume)	
Methane	1% volume/volume (v/v)	
Carbon dioxide	1.5% v/v	
Frequency	Six monthly	
Assessment test Exceedance of the action limit on any one occasion.		
Contingency action		Response time
Repeat the monitoring at and in the vicinity of the affected location		Before the end of the working day
If the exceedance is sustained repeat the monitoring at and in the vicinity of the affected location		5 working days
Advise the Environment Agency		Within 48 hours of the repeat monitoring
If the exceedance is sustained assess the risks associated with the presence of the elevated gas concentrations. As the monitoring relates to in-waste gas monitoring wells, review the results of differential pressure and flow monitoring carried out at the affected well which will be used to assess whether gas is being generated in significant volumes or whether elevated concentrations only are present.		Within one week
Advise the Environment Agency		Within two working days of the assessment
If the risks are acceptable re-evaluate the assessment test		12 months
If the risks are unacceptable implement corrective measures and or additional monitoring which may include the installation of additional in-waste gas monitoring wells.		Agree timetable with the Environment Agency based on the results of the revised risk assessment
Notes:		
¹ Based on the trigger levels specified in Environment Agency LFTGN03 Guidance on the management of landfill gas the action limits comprise 20% of the lower explosive limit for methane and 20% of the 8-hour UK Occupational Exposure Standard for carbon dioxide.		

FIGURES



Key / Notes

-  The approximate boundary of Brocksby Quarry Complex
-  The approximate boundary of Environmental Permit number EPR/CB3504CQ
-  The approximate boundary of the site the subject of the Environmental Permit application
-  Approximate location of Frisby Marsh Site of Special Scientific Interest (SSSI)

	Final	KR	JAD	CJG	04/08/23
Rev	Status	Drn	App	Chk	Date

Site
BROCKSBY QUARRY

Client

TARMAC
 A CRH COMPANY

Title
The site location

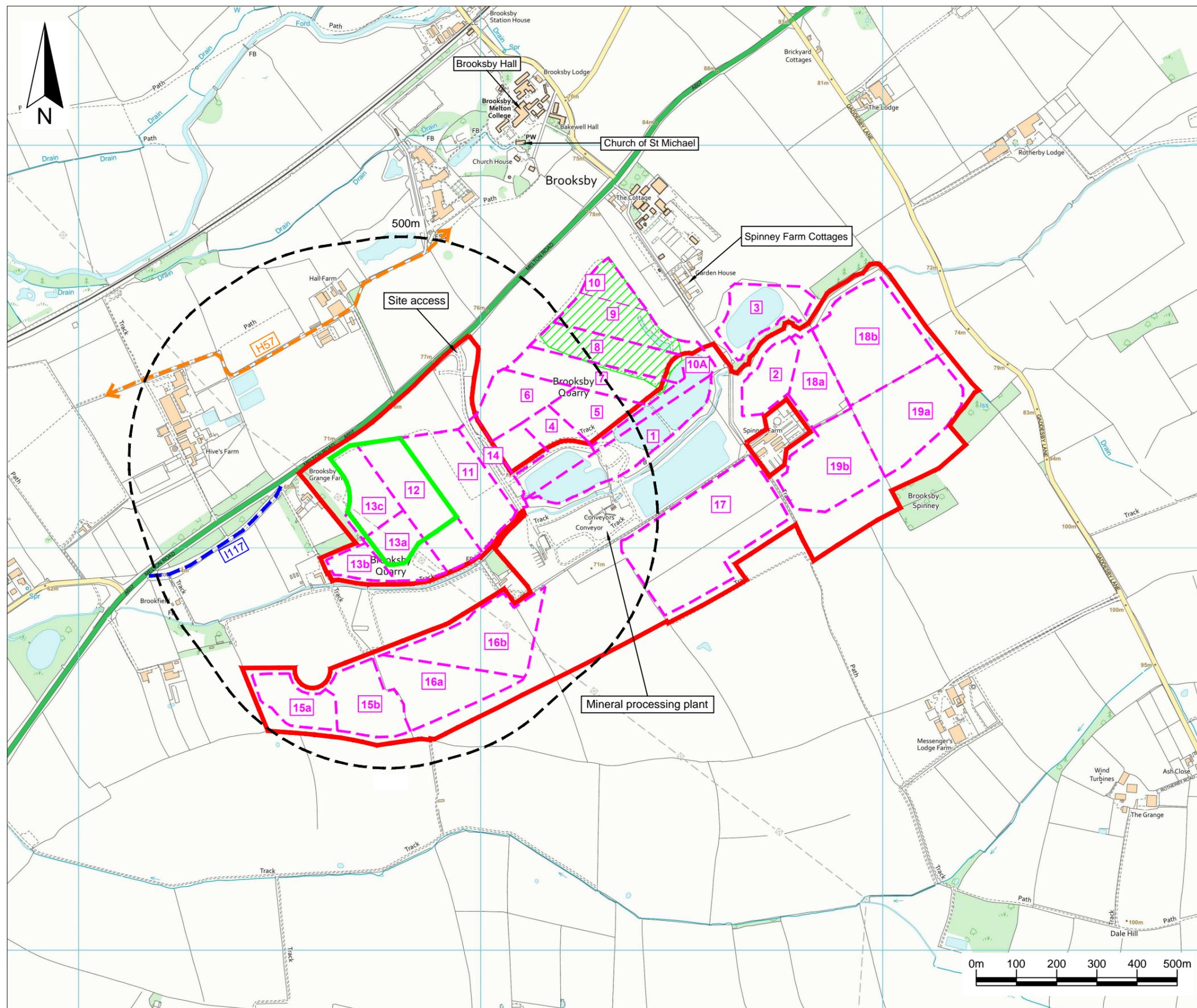
Figure ESDD 1 Scale
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Drawing Ref
TAR/BRO/03-23/23635

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Key / Notes

-  The approximate boundary of Environmental Permit number EPR/CB3504CQ
-  The approximate boundary of planning permission reference 2018/0917/06 (2018/CM/0123/LCC)
-  The approximate boundary of the site the subject of Environmental Permit application
-  Phase boundaries
-  500m offset from the boundary of the site the subject of the Environmental Permit application
-  Approximate route of footpaths within 500m of the site
-  Approximate route of bridleways within 500m of the site



Rev	Status	Drn	App	Chk	Date
	Final	KR	JAD	CJG	04/08/23

Site: **BROOKSBY QUARRY**

Client:  **TARMAC**
A CRH COMPANY

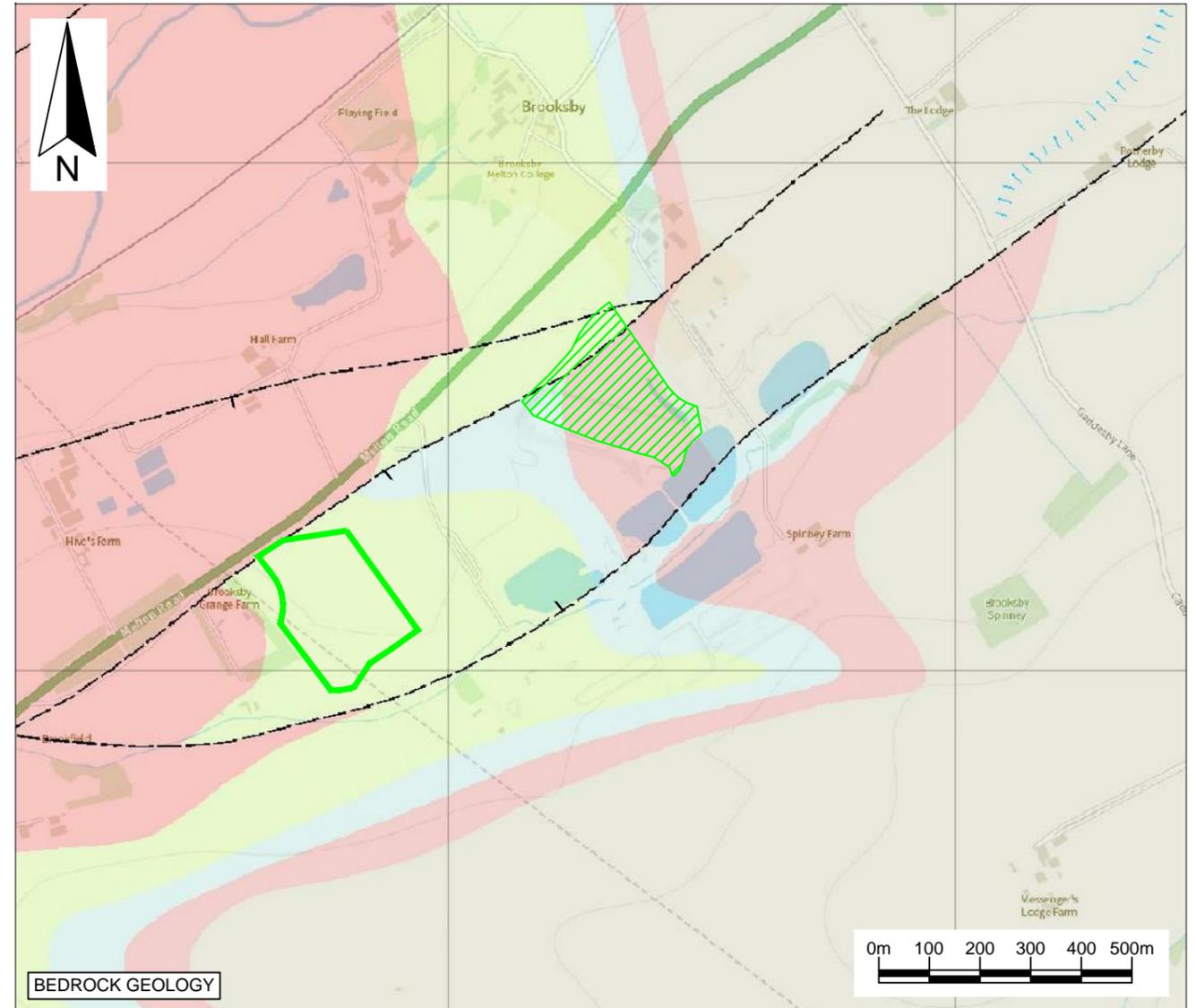
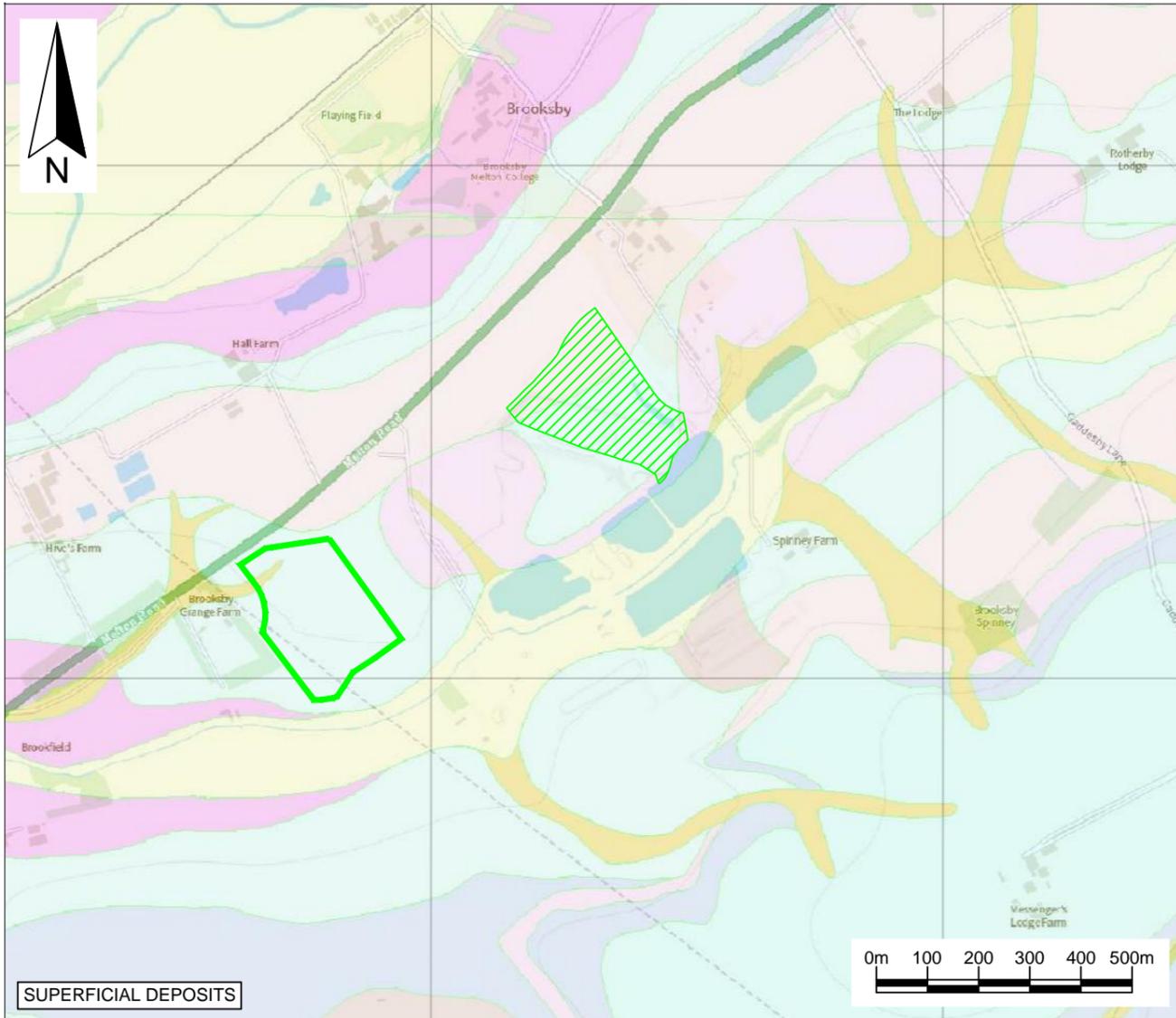
Title: **The site and surrounding area**

Figure ESDD 2 Scale: 1:10,000@A3

Drawing Ref: **TAR/BRO/03-23/23636**

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 **MJCA** Baddesley Colliery Offices,
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Technical advisers on environmental issues Fax: 01827 718507



Key / Notes

 The approximate boundary of Environmental Permit number EPR/CB3504CQ

 The approximate boundary of the site the subject of Environmental Permit application

Superficial Deposits

 Head deposits

 Colluvium

 Alluvium

 Glaciofluvial Deposits

 Oadby Member

 Oadby Member (lias-rich)

 Rotherby Member

 Thrussington Till Member

 Bytham Sand and Gravel Formation

WOLSTON GLACIGENIC FORMATION

Bedrock Geology

 Blue Lias Formation

 Cobham Member (Listock Formation)

 Westbury Formation

 Blue Anchor Formation

 Branscombe Mudstone Formation

 Faults in bedrock (crossmark on downthrow side)

LIAS GROUP

PENARTH GROUP

MERCIA MUDSTONE GROUP

Rev	Status	Drn	App	Chk	Date
	Final	KR	JAD	CJG	04/08/23

Site: BROOKSBY QUARRY

Client: 

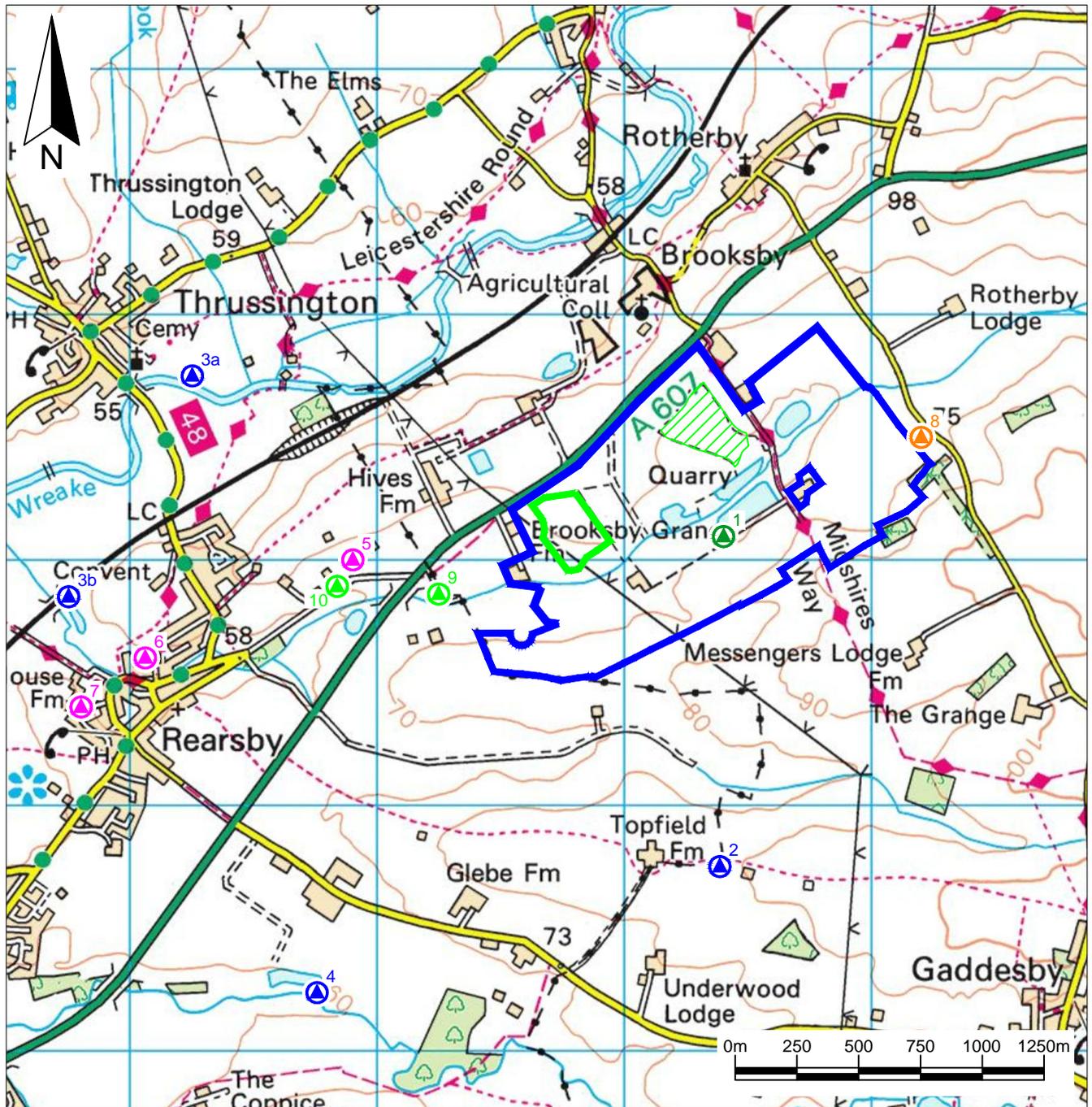
Title: The regional geology of the site and surrounding area

Figure ESSD 3 Scale: 1:12,500@A3

Drawing Ref: TAR/BRO/03-23/23637

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Key / Notes

-  The approximate boundary of Environmental Permit number EPR/CB3504CQ
-  The approximate boundary of Brooksby Quarry Complex
-  Area the subject of the Environmental Permit application
-  Approximate location of a licensed surface water abstraction
-  Approximate location of a licensed groundwater abstraction
-  Approximate location of a deregulated groundwater abstraction
-  Approximate location of a private groundwater supply
-  Approximate location of a unlicensed groundwater abstraction

Rev	Final	KR	JAD	CJG	04/08/23
Rev	Status	Drn	App	Chk	Date

Site
BROOKSBY QUARRY

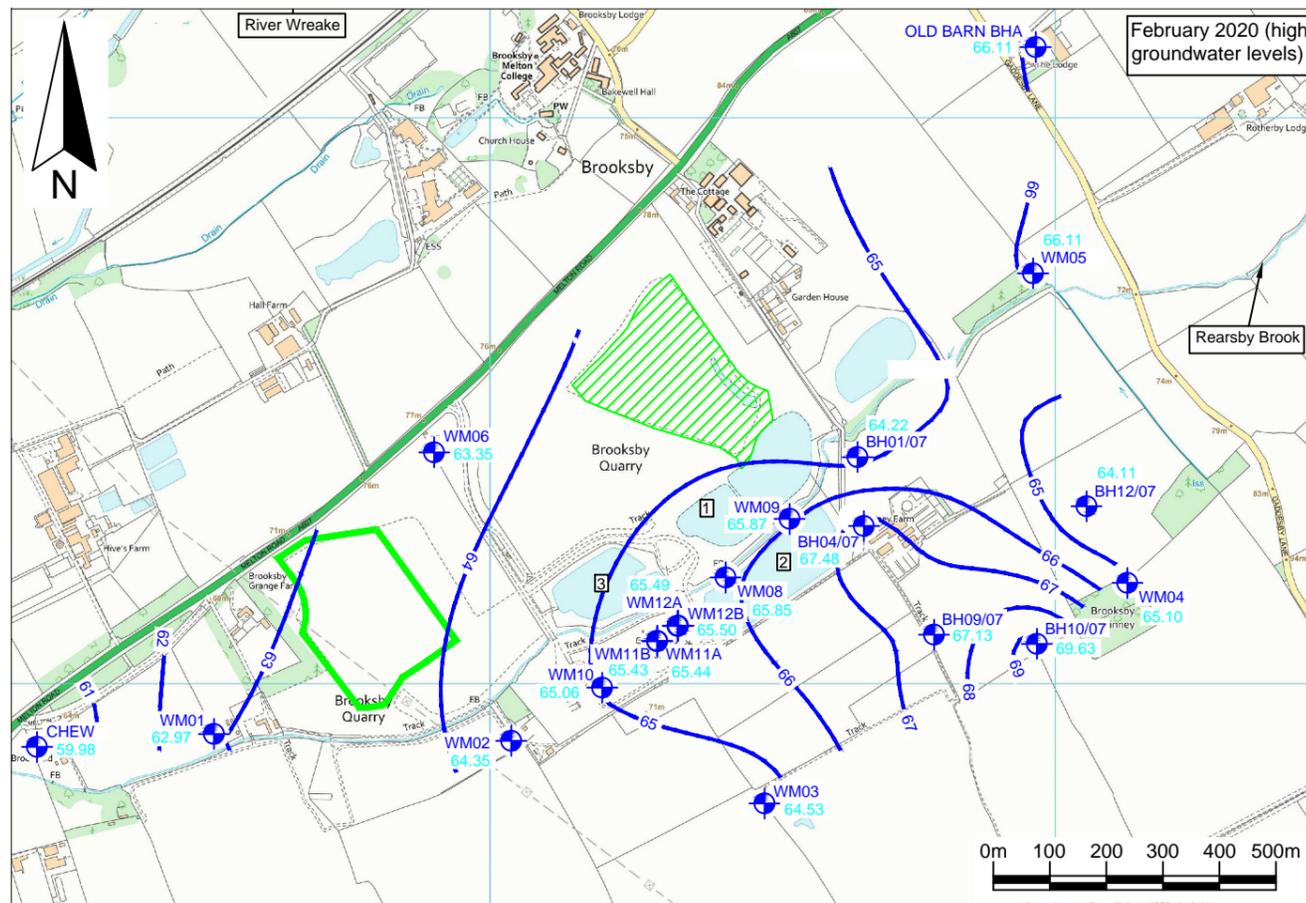
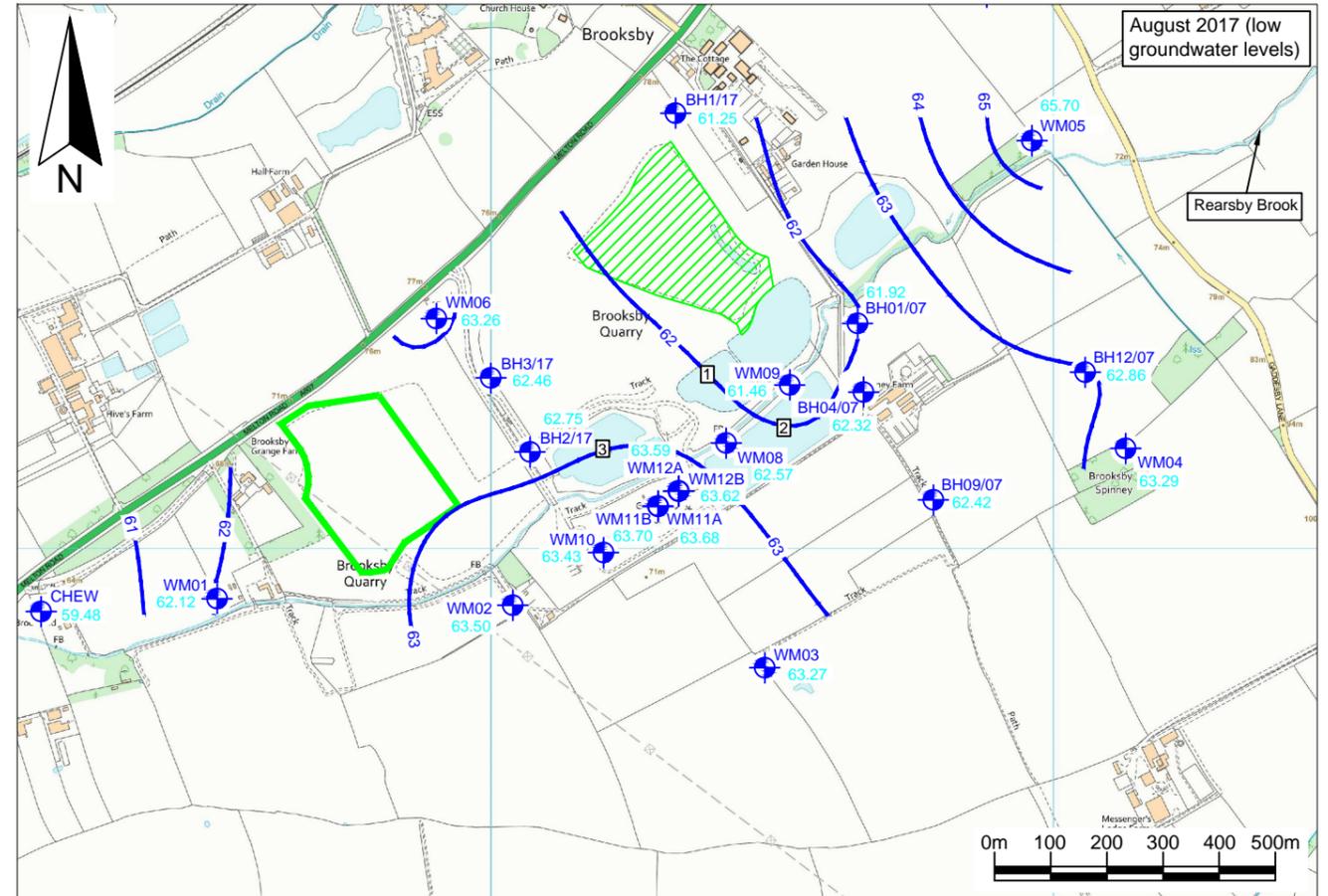
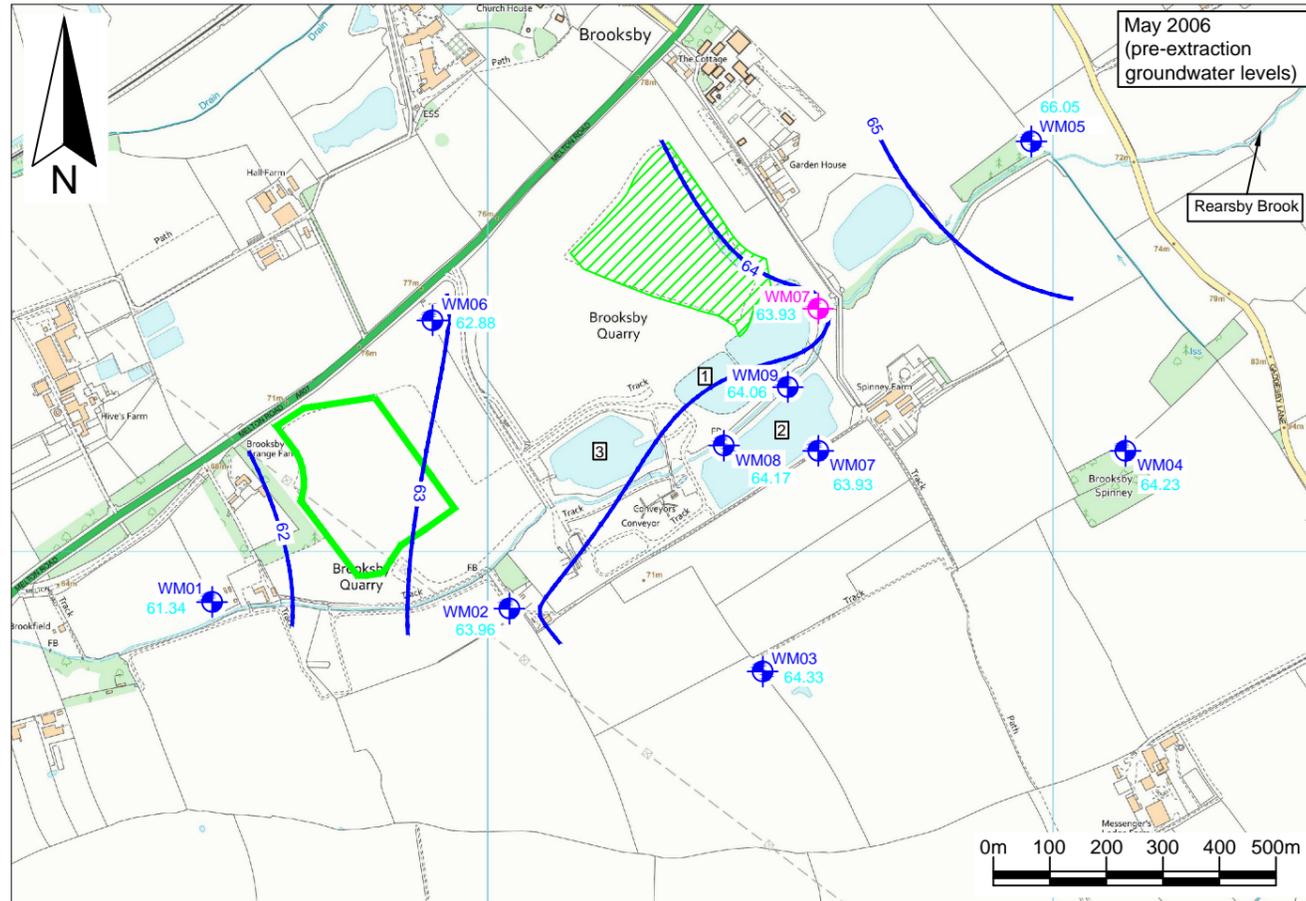
Client
 **TARMAC**
A CRH COMPANY

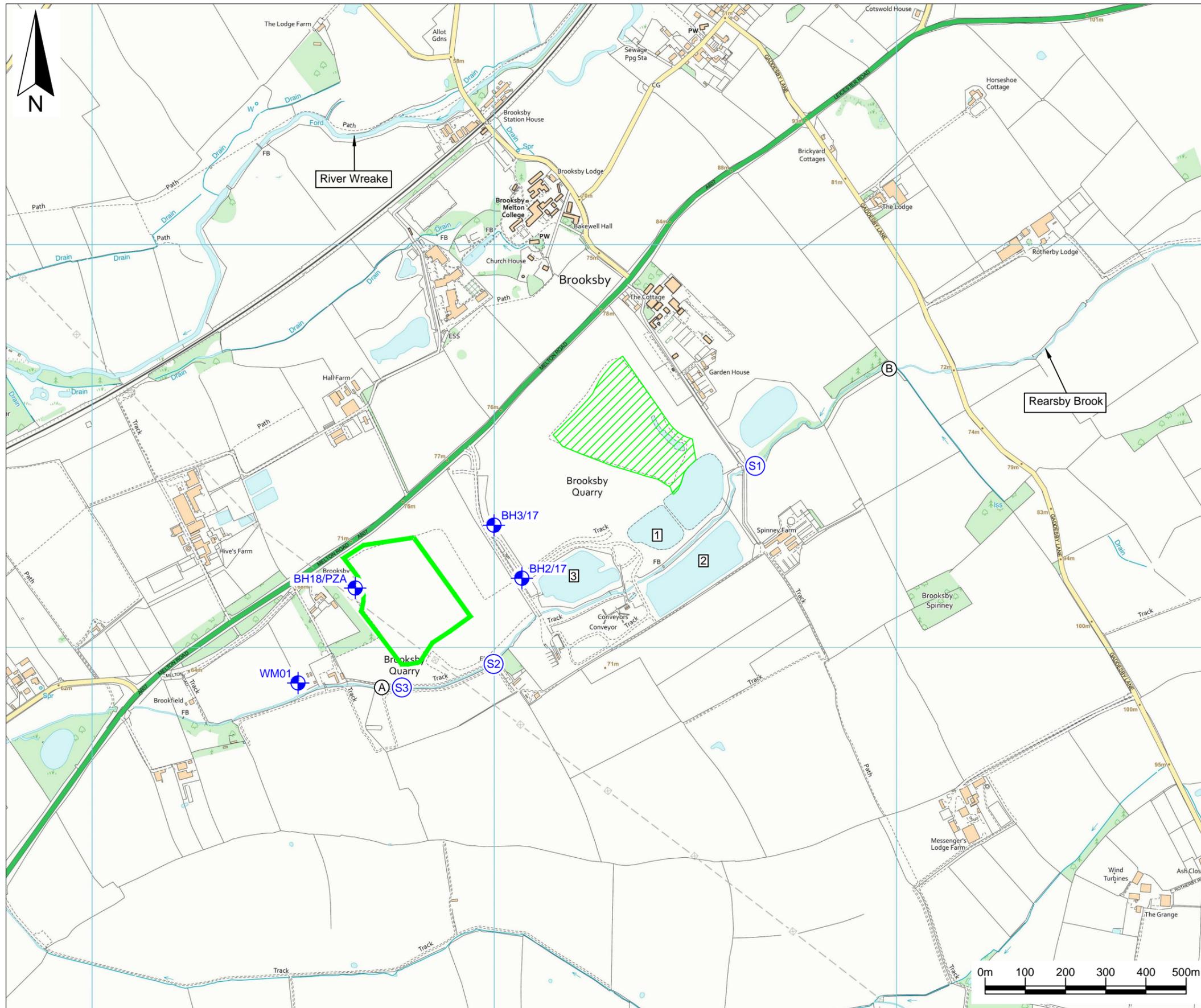
Title
Plan showing the approximate locations of the groundwater and surface water abstractions within 2km of the site boundary

Figure ESSD 5 Scale
1:25,000@A4

Drawing Ref
TAR/BRO/03-23/23639

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Key / Notes

-  The approximate boundary of Environmental Permit number EPR/CB3504CQ
-  Area the subject of the Environmental Permit application
-  Approximate location of a groundwater monitoring borehole
-  Surface water monitoring location
- A, B Extent of discharge consent (T/55/46030/T) to Rearsby Brook
-  Clean Water Lagoon
-  Silt Lagoon
-  Discharge Polishing Lake

Rev	Final	KR	JAD	CJG	04/08/23
	Status	Drn	App	Chk	Date

Site
BROOKSBY QUARRY

Client


Title
Monitoring locations

Figure ESSD 8 Scale
1:10,000@A3

Drawing Ref
TAR/BRO/03-23/23642

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APPENDICES

APPENDIX ESSD A

PLANNING PERMISSION REFERENCE 2018/0917/06 (2018/CM/0123/LCC)

Planning permission

Name and address of applicant

Ms Tiffany Lloyd
Tarmac Trading Ltd
Quorn House
Meeting Street
Quorn
Loughborough
LE12 8EX

Name and address of agent (if any)

Mr Antony Cook
David Jarvis Associates Ltd
1 Tennyson Street
Swindon
SN1 5DT

Part I - Particulars of application

Date of application

11th July 2018

Application no.

2018/0917/06 (2018/CM/0123/LCC)

Particulars and location of development:

SOUTHERN EXTENSION OF SAND AND GRAVEL WORKING AND RESTORATION USING SITE DERIVED AND IMPORTED INERT MATERIAL RETURNING THE LAND TO A COMBINATION OF AGRICULTURE, OPEN WATER AND NATURE CONSERVATION - BROOKSBY QUARRY, MELTON ROAD, BROOKSBY, LEICESTERSHIRE LE14 2LN

Part II - Particulars of decision

In pursuance of its powers under the Town and Country Planning Act 1990 the **Leicestershire County Council** grants planning permission for the carrying out of the development referred to in Part I hereof in accordance with the application and plans submitted subject to the following conditions:

Conditions

Scope of Development

1. This permission shall relate only to the southern extension of sand and gravel working and restoration using site derived and imported inert material returning the land to a combination of agriculture, open water and nature conservation at Brooksby Quarry.

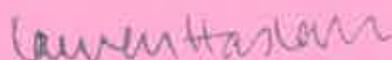
Adherence to Approved Details

2. Unless otherwise required by the conditions attached to this permission the development shall be carried out in accordance with the following details:
 - a) planning application reference 2018/0917/06 (2018/CM/0123/LCC) and accompanying environmental statement;
 - b) the Regulation 25 Further Information submission including drawings referenced B355 – 00071 to B355 – 00071 – 11;
 - c) the revised working scheme description;
 - d) GCN Report dated 1st May 2019.

Commencement

3. The development hereby permitted shall be commenced within three years from the date of this permission.

Date: 10 OCT 2019



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CONDITIONS CONTINUED

Notification of Commencement

4. Written notification of the commencement of:
- a) soil stripping from within the extension area;
 - b) mineral extraction from within the extension area;

shall be provided to the Mineral Planning Authority within seven days from the date of such commencement.

Duration

5. This permission shall be for a limited period expiring on 31/03/2031 by which time the development hereby permitted shall have ceased including the removal of all buildings and structures and the land reinstated in accordance with the reclamation details approved under Condition No. 42.

Working and Phasing Details

6. The development hereby permitted shall be carried out in accordance with drawings referenced B355 – 00071 to B355 – 00071 – 11 and the revised working scheme description. Prior to the stripping of soils in Phase 16B, the landfill voids within Phases 7 to 10 and Phases 12 and 13 shall be restored and have topsoil replaced.

Hours of Operation

7. No operations shall be carried out at the site except between the following times: 0700 hours and 1900 hours Monday to Friday; and 0700 hours and 1300 hours Saturday. There shall be no operations (other than water pumping) on Sundays or public or bank holidays.

Access

8. There shall be no vehicular access to or from the site for any purpose in connection with the development hereby permitted except by means of the existing access onto the A607 Melton Road.
9. The existing vehicular access onto the A607 Melton Road shall be retained and maintained to the following standards for the period of the development hereby permitted:
- a) visibility splays of 4.5 metres by 215 metres provided in both directions;
 - b) an area 6 metres wide for 30 metres behind the highway boundary surfaced in a bound material; and,
 - c) any gates provided on the site access road shall be set back 30 metres from the highway boundary and hung to open into the site.

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CONDITIONS CONTINUED

10. The existing wheel cleaning facilities shall be retained and maintained in accordance with the approved details for the duration of the development hereby permitted to ensure that no mud or other detritus is carried onto the highway. Any accidental deposition of such materials shall be removed immediately. The surfacing of the access road shall be maintained in a good state of repair and kept clean and free of mud and other debris at all times until completion of site restoration and aftercare works.
11. No commercial vehicles carrying sand and gravel shall leave the site unsheeted.

Crossings Over Rearsby Brook

12. The crossing points over Rearsby Brook from Phase 1A to the Plant Site and from the access road to the Plant Site shall be retained and maintained in accordance with the approved details for the duration of the development hereby permitted.

Bridleway H58

13. The warning signs erected at the crossing point of Bridleway H58 for the Phase 2 operations shall be retained and maintained in accordance with the approved details for the duration of the working and restoration of Phases 18 and 19. Site haulage vehicles and machinery shall only cross the bridleway at these points and shall not travel along any length of the bridleway.

Protection of Existing Vegetation

14. The existing field boundary hedgerows and trees bounding the perimeter of the site shall be retained and adequately protected during the duration of the development in accordance with BS 5837, 2012: 'Trees in Relation to Design, Demolition and Construction - Recommendations'.

Dust

15. All operations shall be carried out in a manner which minimises the emission of dust from the site. Internal roads and dry exposed areas shall be watered as necessary in dry and windy conditions to prevent dust becoming airborne.

Noise

16. Except for temporary operations, the free-field Equivalent Continuous Noise Level $L_{Aeq, T}$, at the noise sensitive properties listed below shall not exceed the relevant criterion limit due to site operations. Measurements taken to verify compliance shall have regard to the effects of extraneous noise and shall be corrected for any such effects.

Location	Criterion Limit (dB $L_{Aeq, 1 \text{ hour}}$; free field)
The Lodge	51
Rotherby Lodge	47
Messengers Lodge Farm	45
Top Field Farm	45
Brooksby Grange	55

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CONDITIONS CONTINUED

Hall Farm Cottages	52
The Old Rectory	51
The Cottage	55
Spinney Farm Cottages	53
Brooksby Grange Barns	50
Brookfield	55

Noise monitoring shall be carried out in accordance with the scheme approved on 29th November 2004 and shall be undertaken at six monthly intervals at the nearest 5 locations to the main site activities being undertaken at the time. All noise monitoring results shall be provided to the Mineral Planning Authority. The approved monitoring scheme shall be kept under regular review and may be varied or amended by agreement with the Mineral Planning Authority.

17. Noise levels arising from temporary operations such as site preparation, soil stripping, overburden removal, construction and removal of soil mounds and restoration activities shall be minimised as far as is reasonably practicable and, in any case, shall not exceed 70dB L_{Aeq} (1 hour), freefield at any noise sensitive property detailed under Condition 16. Such activities should not affect any noise sensitive property for more than 8 weeks in any year.
18. All pumps used in connection with the development hereby permitted shall be powered by electricity or acoustically insulated diesel-powered units. Any pumps shall be operated and sited to minimise impact on residents from noise. Noise levels from any pumping operations carried out outside normal working hours, as detailed under Condition 7 shall not exceed 42dB L_{Aeq} (1 hour) freefield at any noise sensitive property.
19. All vehicles, plant and machinery operated within the site shall be maintained in accordance with the manufacturer's specification including the use of effective silencers at all times.
20. All audible warning devices fitted to all plant, vehicles and machinery operating within the site shall be of non-tonal design and operated to minimise disturbance to nearby residents.
21. In the event that noise monitoring indicates that the levels set out in Conditions 16, 17 and 18 are being exceeded, the source of the noise shall be identified, and measures undertaken to remedy the breach immediately. Should these measures prove unsuccessful, the operations generating the noise shall cease until additional measures agreed with the Mineral Planning Authority have been undertaken.

Surface Water Drainage

22. Prior to the commencement of mineral extraction or infilling operations hereby permitted a surface water drainage scheme shall be submitted to and approved by the Mineral Planning Authority.
23. Prior to the commencement of mineral extraction or infilling operations hereby permitted details of the management of surface water on site for the duration of the development shall be submitted to and approved by the Mineral Planning Authority.

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CONDITIONS CONTINUED

24. Prior to the commencement of mineral extraction or infilling operations hereby permitted details of the long-term maintenance of the surface water drainage system within the development shall be submitted to and approved by the Mineral Planning Authority.

Flood Risk

25. The development hereby permitted shall be carried out in full accordance with the Flood Risk Assessment titled 'Flood Risk Assessment for an Extension to Brooksby Quarry, Leicestershire' reference 2479/FRA version F1 dated June 2018 by Hafren Water Ltd and the following mitigation measures:
- a) restored ground elevations across the site shall be the same as or lower than pre-development levels; and,
 - b) the temporary storage of excavated materials shall be aligned parallel to flood flows.

Groundwater Resources

26. Prior to the commencement of mineral extraction or infilling operations hereby permitted a scheme to: monitor groundwater levels; provide response trigger levels; and, present mitigation proposals shall be submitted to and approved by the Mineral Planning Authority. The development shall be carried out in full accordance with the approved details.

Silt Control Measures

27. For the duration of the development hereby permitted up to the completion of restoration works all surface water runoff shall be passed through a settlement facility prior to being discharged into any watercourse, soakaway or surface water sewer. The facility shall be retained and maintained until such a time that mineral processing at the site is complete.

Archaeology

28. Prior to the commencement of any soil stripping within the application site a written scheme of investigation (WSI) shall be submitted to and approved by the Mineral Planning Authority. The WSI shall have regard to the archaeological advisor's letter dated 10th March 2019, include the statement of significance and research objectives and address the following:
- a) the near surface buried archaeological resource (including a programme of archaeological fieldwork based on the results of pre-determination investigation work);
 - b) the Bytham River channel deposits (including a programme of monitoring and targeted archaeological investigation and recording during quarrying in Phases 2, 17, 18a, 18b, 19a and 19b);
 - c) the hydrological implications upon the buried archaeological resource within the plant site (including an assessment of the need for future waterlogged ground conditions, associated groundwater level and quality monitoring, future trigger levels and excavation of the buried resource);

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CONDITIONS CONTINUED

- d) the programme and methodology of site investigation and recording and the nomination of a competent person(s) or organisation to undertake the agreed works; and,
- e) the programme for post-investigation assessment and analysis, (including a scheduled programme of interim reporting) publication & dissemination and deposition of resulting material (within an agreed time scale).

The development hereby permitted shall be carried out in full accordance with the approved WSI.

29. The operation of the processing plant, stockpiling and storage of sand and gravel shall not impede the required environmental monitoring of archaeological remains within the plant site as detailed in the Written Scheme of Investigation approved under Condition No. 28.

Ecology

30. The ecological interests of the application site during the working, restoration and aftercare phases of the development hereby permitted shall be managed and safeguarded in full accordance with the Recommendations set out in section 5 of the Ecological Habitat Survey Report Ref. No. 181034/1 dated 10th December 2018, the Mitigation Strategy detailed in section 5 of the GCN Report Ref. No. 190351 dated 1st May 2019, and the following GCN protection measures:

- a) resurveys of pond 11 prior to the any working in Phase 17 and surveys of ponds 14, 17 and 18 prior to any working in Phase 15b;
- b) the submission of specific mitigation plans and habitat creation details for the approval of the Mineral Planning Authority prior to any working in Phase 17 and Phase 15b; and,
- c) the submission of a general operating plan for the approval of the Mineral Planning Authority that covers ongoing precautionary working to minimise risk to GCN's and provides habitat enhancements.

31. No works that involve the removal of trees, shrubs, hedgerows, scrub and other vegetation including grassland habitats used by ground nesting birds shall be undertaken during the bird nesting season (March to August inclusive) unless the area has first been checked by a qualified ecologist and an action plan approved by the Mineral Planning Authority. All mitigation and compensation measures shall be implemented in accordance with the approved action plan.

32. No works affecting existing trees with potential for bat roosts or hedgerows that comprise bat foraging habitat shall be carried out until a detailed bat survey has been undertaken in the appropriate season and a scheme of measures to mitigate and compensate any impact on any bats found has been approved by the Mineral Planning Authority. All mitigation and compensation measures shall be implemented in accordance with the approved scheme.

33. The development hereby permitted shall be subject to an annual ecological re-survey during the appropriate season(s) in respect of water vole and badger presence within the site during the working and restoration phases of the development. The report of the ecological survey shall be submitted to the Mineral Planning Authority by 31st October each year and shall include appropriate mitigation measures. The timing of the badger survey shall where practicable be in advance of the working of any new phase.

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CONDITIONS CONTINUED

34. The development hereby permitted shall be subject to a five-metre stand-off area measured from the top of the banks of the Rearsby Brook to protect water voles and their habitat. The stand-off area shall be demarked with fencing which shall be retained and maintained for the duration of the working and restoration phases of the site. The stand-off area shall cover the section of the Rearsby Brook extending from the existing site access road eastwards to the point where the Brook meets Bridleway H58. Vegetation within the stand-off area shall remain undisturbed.

Soil Handling & Ground Preparation Works

35. All soil handling operations (including soil stripping, storage and replacement) shall be undertaken in accordance with: Section 4 of the Soil Resources and Agricultural Use & Quality Report No. 369/4 dated 4th May 2018; the details shown on Drawings Referenced B355 – 00071 to B355 – 00071 – 11; and, the revised working scheme description.
36. The Mineral Planning Authority shall be notified in writing at least 5 days before each of the following stages:
- before each phase of soil stripping is due to commence;
 - when overburden has been prepared ready for soil replacement to allow inspection of the area before further restoration is carried out; and,
 - completion of topsoil replacement to allow an opportunity to inspect the completed works and assess its suitability for entry into aftercare before the commencement of any cultivation and seeding operations.
37. Overburden shall be replaced and levelled so that:
- after replacement of topsoil and subsoil the contours conform with those shown on Drawing Reference B355 – 00071 – 11;
 - there is satisfactory site and surface drainage, so that the land is free from ponding and capable of receiving an effective under-drainage system;
 - agricultural machinery is not unduly restricted, erosion is minimised; and
 - gradients do not exceed 7 degrees.
38. No soils shall be respread until the upper layers of the prepared surface have been ripped and stones, materials and objects which exceed 200mm in any dimension and occur on the surface of the ripped and loosened ground have been removed from the site or buried at a depth of not less than two metres below the final contours.
39. The respread topsoil shall be loose tipped to enable a single pass at a tine spacing of 500mm maximum to full depth of the topsoil plus 100mm. Any stones, materials and objects which exceed 100mm in any dimension and occur on the surface of the ripped and loosened soils shall be removed from the site or buried at a depth of not less than two metres below the final contours.
40. All undisturbed areas of the site and all topsoil, subsoil and overburden mounds shall be kept free from agricultural weeds such as thistle, dock and ragwort. Cutting, grazing or spraying shall be undertaken, as appropriate, to control plant growth and prevent the production of seed and the subsequent spread of weeds onto adjoining agricultural land.

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CONDITIONS CONTINUEDRestoration in the event of early cessation of working

41. In the event of a cessation of winning and working of minerals (or landfilling operations) prior to the achievement of the completion of the approved working scheme as defined in this permission, and which in the opinion of the Mineral Planning Authority constitutes a permanent cessation within the terms of paragraph 3 of Schedule 9 to the Town and Country Planning Act 1990, a revised scheme to include details of reclamation and aftercare shall be submitted to the Mineral Planning Authority for approval within six months of the cessation of winning and working. The approved scheme shall be fully implemented within 12 months of approval.

Reclamation

42. Within six months of commencement of development, a detailed scheme of final landscaping and restoration of the site shall be submitted to the Mineral Planning Authority for approval. The submitted scheme shall be based on a phased approach and the restoration concept shown on Drawing Reference B355 – 00071 – 11. The scheme shall include details of the following:
- a) plant species, sizes, quantities and locations, of all new tree, shrub and hedgerow planting, grass seed mixes;
 - b) the depths of all waterbodies, bank gradients and their margins;
 - c) the establishment of internal field boundaries with new trees and hedgerows on the restored agricultural land and associated fencing and gates;
 - d) enhancement to the rights of way network linking route(s) to Bridleway H58;
 - e) new woodland planting linking Brooksby Spinney with other existing woodland (as included in Box SA1 of the emerging LMWLP);
 - f) the enhancement of wetland habitat alongside the Rearsby Brook (as included in Box SA1 of the emerging LMWLP);
 - g) the timing of the removal of all plant, structures and buildings from the site; and,
 - h) the creation of GCN habitats.

Planting and seeding in accordance with the approved scheme shall be carried out, as far as is reasonably practicable, within the first available planting season following the restoration of any substantial part of the site, in accordance with working and phasing details required by Condition No. 6. All trees, shrubs and hedgerows planted in accordance with the approved scheme shall be maintained for a period of five years following planting and such maintenance shall include the replacement of any plants that may die or be seriously damaged or become seriously diseased.

Aftercare

43. Within six months of commencement of development, a detailed aftercare scheme shall be submitted to the Mineral Planning Authority for approval. The submitted scheme shall be in accordance with the reclamation details required by Condition No. 42, and shall provide an outline strategy for the 5 year aftercare period specifying the steps that are to be taken, and the period during which they are to be taken, in order to bring the newly restored land to the required standard for use as agriculture and nature conservation, including the subsequent management of the restored land and vegetation.

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CONDITIONS CONTINUED

The steps shall include planting, cultivating, fertilising, watering, draining, and otherwise treating and managing the land. The land shall be treated and managed over a period of 5 years in accordance with the approved scheme, commencing on the date that restoration is completed to the satisfaction of the Minerals Planning Authority.

44. Before 1st February of every year during the aftercare period, the Mineral Planning Authority, owners and occupiers shall be provided with:
- a) proposals for managing the land including planting, cultivating, seeding, fertilising, draining, watering or otherwise treating the land for the forthcoming twelve months; and,
 - b) a record of aftercare operations carried out on the land during the previous twelve months.
45. Before 31st May of every year during the aftercare period, a site meeting shall be arranged to discuss and agree the proposals and records prepared in accordance with Condition No. 44. This meeting shall be attended by the person(s) responsible for undertaking the aftercare requirements.

Reasons

- 1 & 2. For the avoidance of doubt and to ensure that the development is carried out in a satisfactory manner.
3. To comply with the requirements of Section 91 of the Town and Country Planning Act, 1990 as amended by Section 51 of the Planning and Compulsory Purchase Act 2004.
4. To enable the development to be monitored to ensure compliance with this permission.
5. To provide for the completion and restoration of the site within the approved timescale.
6. To ensure the working of the site and the follow-on restoration works are undertaken in a phased manner and large areas of the site are not unrestored.
7. To protect the amenities of local residents.
- 8 & 9. In the interests of highway safety and the amenities of the area.
10. In the interests of highway safety and to prevent mud and dirt getting onto the highway.
11. In the interests of highway safety and safeguarding the local environment.
12. To safeguard the local watercourse and facilitate safe passage of vehicles within the site.
13. In the interests of the safety of bridleway users and the amenities of the area.
14. To ensure that all hedgerows and trees to be retained on site are protected during the development.

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CONDITIONS CONTINUED

15. To minimise the adverse impact of dust generated by the operations on the amenities of the locality.
- 16/17/18. To enable the noise related effects of the development to be adequately monitored during the operations, and to minimise the adverse impact of noise generated by the operations on the amenities of the locality.
- 19/20/21. To minimise the adverse impact of noise generated by the operations on the amenities of the locality.
22. To prevent flooding by ensuring the satisfactory storage and disposal of surface water from the site. There is an exceptional need here to secure control over impacts to the surface water drainage system by ensuring appropriate measures are in place prior to works commencing.
23. To prevent an increase in flood risk, maintain the existing surface water runoff quality, and to prevent damage to the final surface water management systems though the entire development construction phase. There is an exceptional need here to secure control over impacts to the surface water drainage system by ensuring appropriate measures are in place prior to works commencing.
24. To establish a suitable maintenance regime that may be monitored over time; that will ensure the long-term performance, both in terms of flood risk and water quality, of the surface water drainage system (including sustainable drainage systems) within the proposed development. There is an exceptional need here to secure control over the maintenance of the surface water drainage system by ensuring appropriate measures are in place prior to works commencing.
25. To prevent flooding elsewhere by ensuring that storage of flood water capacity is maintained or increased; to not inhibit overland flood flow routes.
26. To ensure that the proposed dewatering does not impact on other water users in the area and does not harm groundwater resources. There is an exceptional need here to secure control over impacts to the surface water drainage system by ensuring appropriate measures are in place prior to works commencing.
27. To prevent silty water from entering the water environment and to protect water quality and biodiversity.
- 28 & 29. To ensure satisfactory archaeological investigation and recording, and protection of buried heritage assets.
30. To safeguard the ecological interests of the site, including the local population of GCN's..
31. To protect nesting birds and their habitats.

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CONDITIONS CONTINUED

32. To protect bats and their habitats.
33. To protect water voles and badgers and their respective habitats and monitor their presence within the site.
34. To safeguard and enhance the ecological interests adjacent to the Rearsby Brook.
35. To safeguard the soil resources and prevent loss or damage of soil or mixing of soil types.
36. To allow the MPA sufficient time to inspect the soil handling and restoration works.
37. To ensure adequate surface drainage, to enable an effective under drainage scheme to be installed, to reduce the risk of soil erosion and to allow the use of agricultural machinery following restoration.
- 38 & 39. To ensure the reclaimed land is in an acceptable condition for agricultural after-use, and potential obstacles are removed prior to the replacement of soils.
40. To prevent a build-up of harmful weed seeds in soils that are being, or will be used, for agriculture.
41. To ensure reclamation of the site in the event of cessation of mineral working or infilling operations.
42. To ensure the acceptable restoration and landscaping of the site.
43. To ensure that the restored agricultural and nature conservation landforms are brought to a condition suitable for long term beneficial use.
- 44 & 45. To allow the MPA to monitor the progression of the restored landforms in accordance with the approved aftercare scheme and ensure that the restored agricultural and nature conservation after-uses are achieved.

Informatives

A copy of this permission and the accompanying section 106 agreement, the plans and documents referred to in condition no. 2, including any other plans and documents subsequently approved in accordance with any condition of this permission, shall be kept on site and made available for the duration of the development.

An environmental permit, issued by the Environment Agency, will be required for the importing of any waste to restore the site. Similarly, any treatment of waste on site may also require an environmental permit, unless an exemption applies.

An abstraction licence, issued by the Environment Agency, is required for the proposed dewatering activities carried out at the site.

Date: 10 OCT 2019

Director of Law &
Governance

Application No. 2018/0917/06 (2018/CM/0123/LCC)

CONDITIONS CONTINUED

Pollution prevention measures must be carried out as stated in the *Hydrogeological and Hydrological assessment for a proposed extension to Brooksby Quarry* Report reference: 2479/hia Final (Hafren Water, June 2018).

Prior to being discharged into any watercourse, surface water sewer or soakaway system, all surface water drainage from parking areas and hard standings susceptible to oil contamination shall be passed through an oil separator designed and constructed to have a capacity and details compatible with the site being drained. Roof water, vehicle wash down, and detergents shall not pass through the interceptor.

Vehicle loading or unloading bays and storage areas involving chemicals, refuse or other polluting matter shall not be connected to the surface water drainage system.

All cleaning and washing operations should be carried out in designated areas isolated from any surface water system and only draining to the foul drainage system or sealed system. The area should be clearly marked, and a kerb surround is recommended.

Any facilities, above ground, for the storage of oils, fuels or chemicals shall be sited on impervious bases and surrounded by impervious bund walls. The volume of the bunded compound should be at least equivalent to the capacity of the tank plus 10%. All filling points, vents, gauges and sight glasses must be located within the bund. The drainage system of the bund shall be sealed with no discharge to any watercourse, land or underground strata or sewer. Associated pipework should be located above ground and protected from accidental damage. All filling points and tank overflow pipe outlets should be detailed to discharge downwards into the bund.

In dealing with the application and reaching a decision account has been taken of paragraph 38 of the National Planning Policy Framework.

Date: 10 OCT 2019



Director of Law &
Governance

NOTES

1. It will be most helpful if the application number shown overleaf is quoted in all correspondence.
2. **Appeals to the Secretary of State**
 - If you are aggrieved by the decision of your local planning authority to refuse permission for the proposed development or to grant it subject to conditions, then you can appeal to the Secretary of State for the Environment under Section 78 of the Town and Country Planning Act 1990.
 - If you want to appeal, then you must do so within six months of the date of this notice, using a form which you can get from the Department of Environment, Transport and Regions, Planning Inspectorate, Temple Quay House, 2 The Square, Temple Quay, Bristol, BS1 6PN.
 - The Secretary of State can allow a longer period for giving notice of an appeal, but he will not normally be prepared to use this power unless there are special circumstances, which excuse the delay in giving notice of appeal.
 - The Secretary of State need not consider an appeal if it seems to him that having regard to sections 70 and 72(i) of the Act, to the provisions of the development order and to any directions given under the order the local planning authority could not have granted planning permission for the proposed development or could not have granted it without the conditions it imposed.
 - In practice, the Secretary of State does not refuse to consider appeals solely because the local planning authority based its decision on a direction given by him.
3. **Purchase Notices**
 - If either the local planning authority or the Secretary of State for the Environment refuses permission to develop land or grants it subject to conditions, the owner may claim that he can neither put the land to a reasonably beneficial use in its existing state nor can he render the land capable of a reasonably beneficial use by the carrying out of any development which has been or would be permitted.
 - In these circumstances, the owner may serve a purchase notice on the District Council in whose area the land is situated. This notice will require the Council to purchase his interest in the land in accordance with the provisions of Part VI of the Town and Country Planning Act 1990.
4. **Compensation**
 - In certain circumstances compensation may be claimed from the local planning authority if permission is refused or granted subject to conditions by the Secretary of State on appeal or on reference of the application to him.
 - These circumstances are set out in sections 114 and related provisions of the Town and Country Planning Act 1990.
5. The permission covers only consent under the Town and Country Planning Acts and does not give permission to demolish a listed building, for which separate consent is required. Amongst other things the consent of the Council of the district in which the land is situated may be required under the Building Regulations and if the proposals affect land within the limits of the highway (that is between the highway fences or hedges) the separate consent of the Highway Authority will also be required. Steps to obtain the necessary further consents should be taken before proceeding with the development.
6. **SHOPS, OFFICES, FACTORIES, EDUCATIONAL BUILDINGS & BUILDINGS TO WHICH THE PUBLIC ARE TO BE ADMITTED: ACCESS AND PROVISION FOR DISABLED PERSONS.** The Local Planning Authority is required to bring to your attention the requirements of the Chronically Sick and Disabled Person's Act 1970 (Sections 4, 7, 8 and 8A) requiring the provision of access facilities, car parking and toilets for the disabled and the provision of signing indicating what provision has been made for Disabled persons with the building. Your attention is also drawn to the Code of Practice, BS 5810 : 1979, "Access to the Disabled to Buildings" available from the BSI, Customer Services, 389 Chiswick High Road, London W4 4AL (Tel. 0208-996-9000) and (in so far as educational buildings are concerned), to Design Note 18 "Access for the Physically Disabled to Education Buildings".

The buildings to which these requirements apply are:-

- (a) Buildings to which the public are to be admitted to which Section 4 of the Chronically Sick and Disabled Persons Act 1970 applies.
- (b) Offices, Shops & Railway Premises as defined in the Offices, Shops & Railway Premises Act 1963 or premises deemed to fall within that Act.
- (c) Factories as defined by Section 175 of the Factories Act 1961.
- (d) Educational Buildings as defined by Section 29B of the Disabled Persons Act 1981.

S.50 LEICESTERSHIRE ACT 1985 – ACCESS FOR FIRE BRIGADE

Where the permission granted is for or includes the erection of extension of a building and plans for the work are deposited with the district council in accordance with Building Regulations the district council will be obliged to reject the plans unless, after consulting the Fire Brigade, they are satisfied that the plans show:

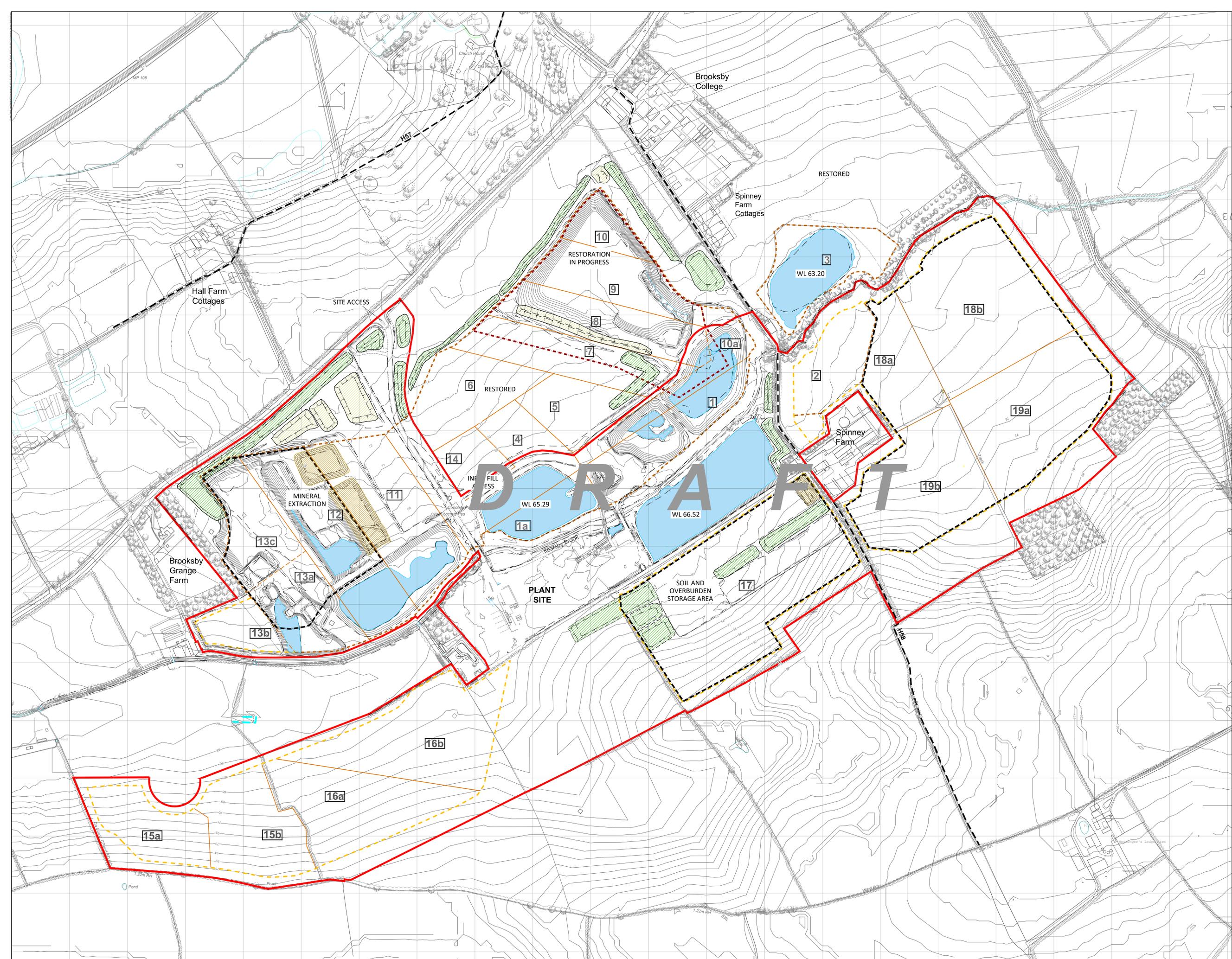
- (a) that there will be adequate means of access for the Fire Brigade to the building or, as the case may be, to the building as extended; and
- (b) that the building or, as the case may be, the extension, will not render inadequate any existing means of access for the Fire Brigade to a neighbouring building.

Date: 10 OCT 2019

 Director of Law & Governance

APPENDIX ESSD B

THE RESULTS OF THE TOPOGRAPHICAL SURVEY CARRIED OUT IN LATE 2018



DRAFT

- Legend**
- Boundary: Application Site (P22008/0443/06)
 - Existing Vegetation
 - Existing Contours at 1.0M Intervals
 - Subsoil Store
 - Overburden Store
 - Topsoil Store
 - Boundary: Consented Mineral Extraction
 - Boundary: Consented Restoration Using Imported Inert Fill Materials
 - Boundary: Proposed Restoration Using Overburden and Imported Inert Fill Materials
 - Boundary: Consented Mineral Extraction Phase and Boundary
 - H57 Existing Bridleway and Reference
 - Boundary: Proposed Extension of Mineral Extraction Phase and Boundary

Notes

Related Drawings: DIA Drawing based on - TARMAC drawing - BROOKSBY - DU 2016-15-10
 - OS Data - OS Profile, DTM, NSDI, 18454, 24995

Issue: Drawn by David Jarvis Associates Limited (CROWN COPYRIGHT, ALL RIGHTS RESERVED 2016 LICENCE NUMBER 0100031). This drawing is for Planning purposes only - Do not use this drawing for construction. The information contained in the drawing should be used as a guide to the final form and finish of the landscape scheme. Any revisions to be approved by the Client and Local Authority.

Scaling: Do not scale this drawing. Use given dimensions only.

Survey: Original survey provided by the Client.

DAVID JARVIS ASSOCIATES
 Landscape Architects

TARMAC
 A CRH COMPANY

Site Name: B355 - Brooksby Quarry
 Drawing Name: Proposed Southern Extension Existing Conditions

Drawn By: DJA	Scale @ A6: 1:2,000
Date: 23/11/18	Drawing Number: B355-00071-01



APPENDIX ESSD C
ENVIROCHECK REPORT REFERENCE 282769965

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Coppice		Heath
	Rough Grassland		Marsh
	Reeds		Saltings
	Building		Glasshouse
	Sloping Masonry		Pylon
	Electricity Transmission Line		Pole
	Cutting		Embankment
	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 Shown only when not coincident with other boundaries		
	Civil Parish Shown alternately when coincidence of boundaries occurs		
	BP, BS Boundary Post or Stone		Pol Sta Police Station
	Ch Church		PO Post Office
	CH Club House		PC Public Convenience
	F E Sta Fire Engine Station		PH Public House
	FB Foot Bridge		SB Signal Box
	Fn Fountain		Spr Spring
	GP Guide Post		TCB Telephone Call Box
	MP Mile Post		TCP Telephone Call Post
	MS Mile Stone		W 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
	MHW(S) Mean high water (springs)		MLW(S) Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building

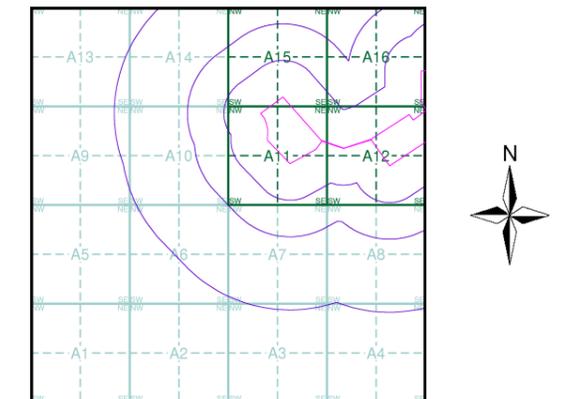
Envirocheck®

LANDMARK INFORMATION GROUP®

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Leicestershire	1:10,560	1884	2
Leicestershire	1:10,560	1904	3
Leicestershire	1:10,560	1952 - 1953	4
Ordnance Survey Plan	1:10,000	1959	5
Ordnance Survey Plan	1:10,000	1977 - 1978	6
10K Raster Mapping	1:10,000	2000	7
Street View	Variable		8

Historical Map - Slice A



Order Details

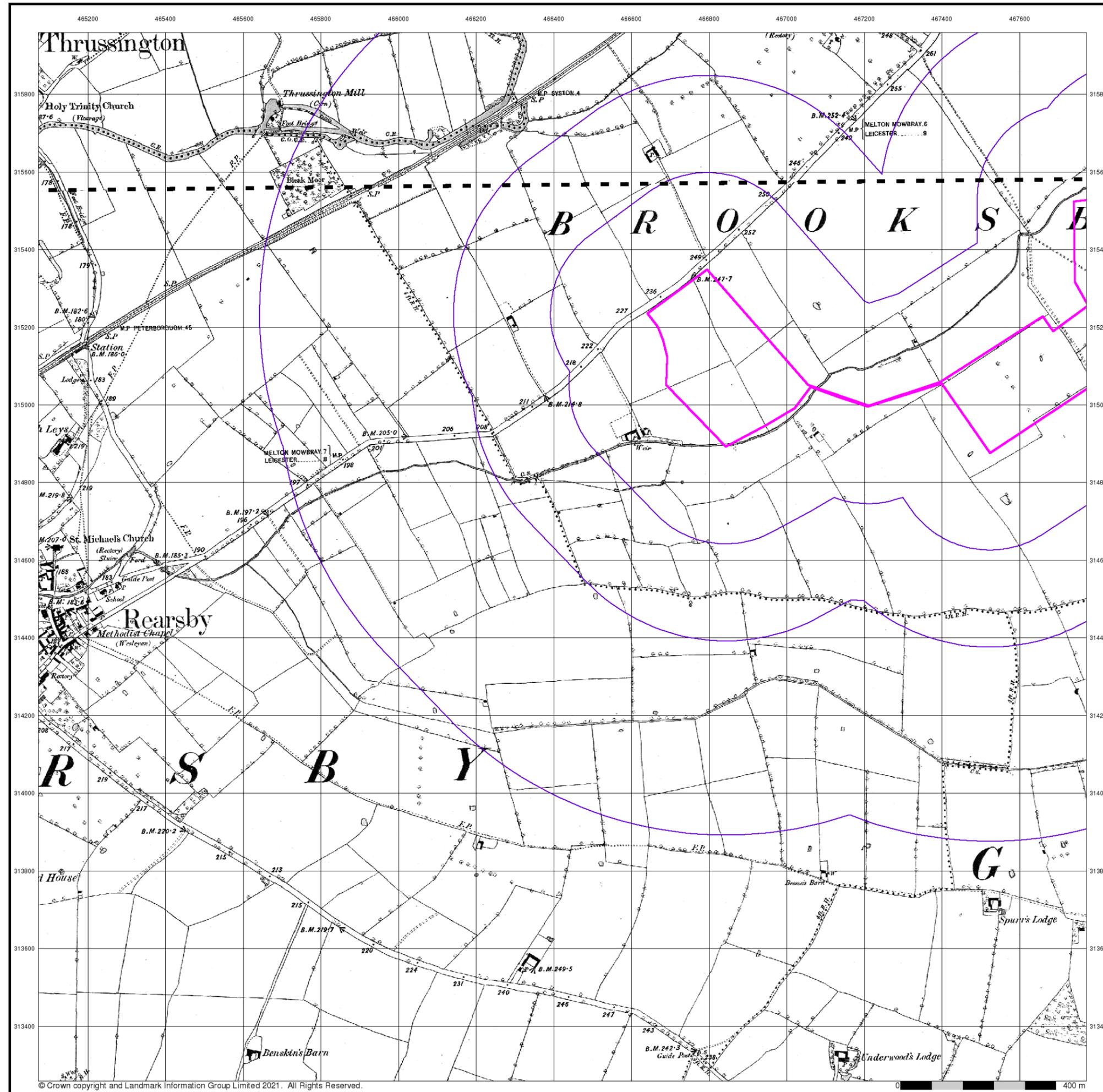
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 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire

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Tel: 0844 844 9952
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Leicestershire

Published 1884

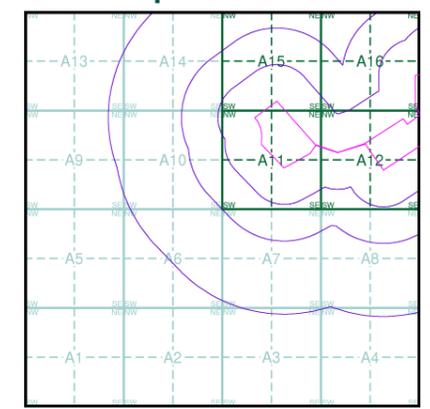
Source map scale - 1:10,560

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)

019SW	1884	1:10,560
026NW	1884	1:10,560

Historical Map - Slice A



Order Details

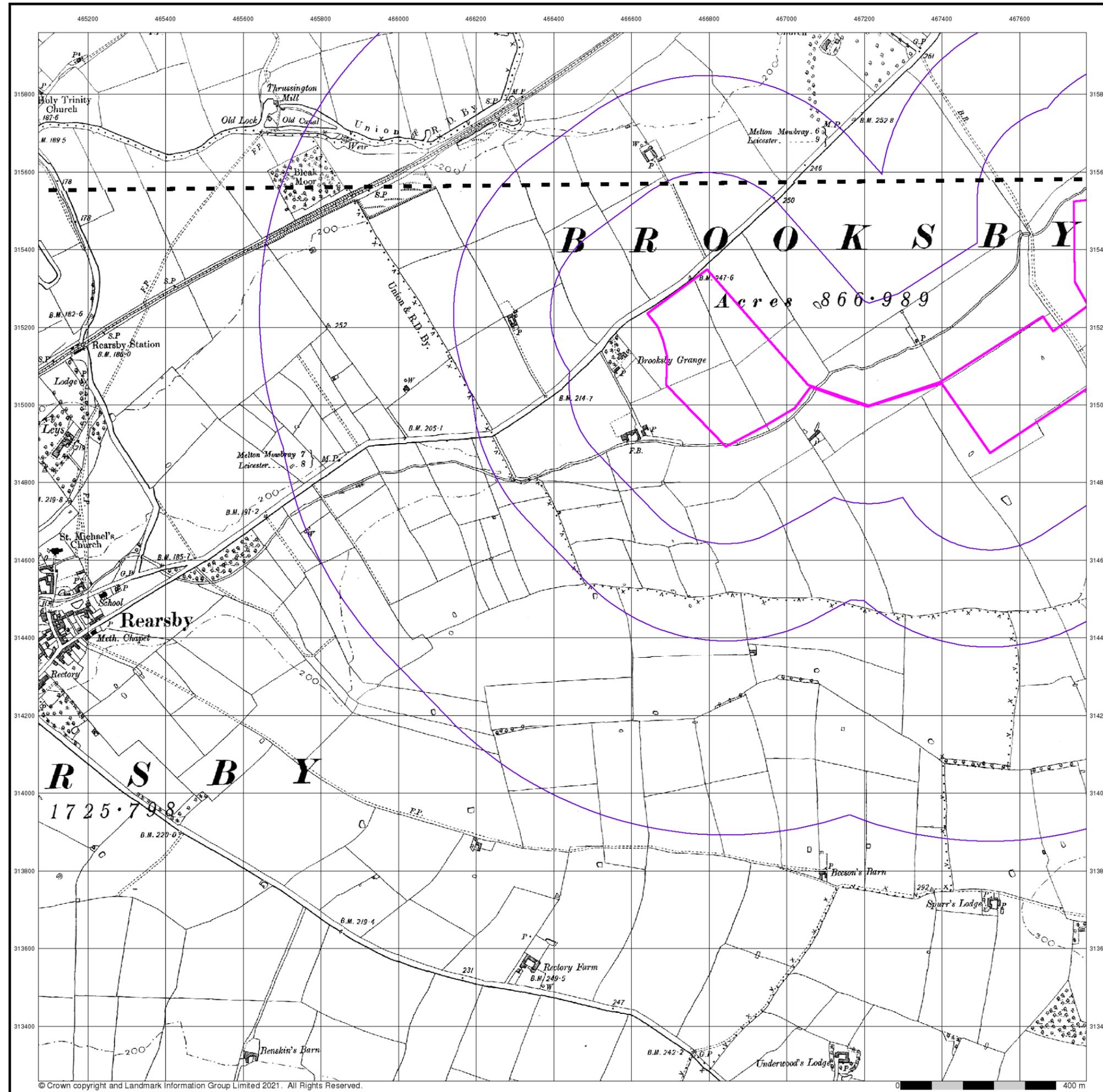
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National Grid Reference:	466800, 314980
Slice:	A
Site Area (Ha):	35.96
Search Buffer (m):	1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire

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Leicestershire

Published 1904

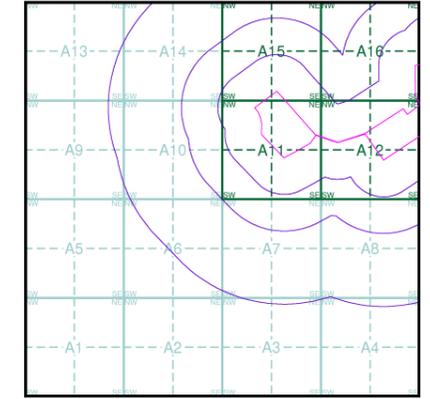
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

019SW	1904	1:10,560
026NW	1904	1:10,560

Historical Map - Slice A



Order Details

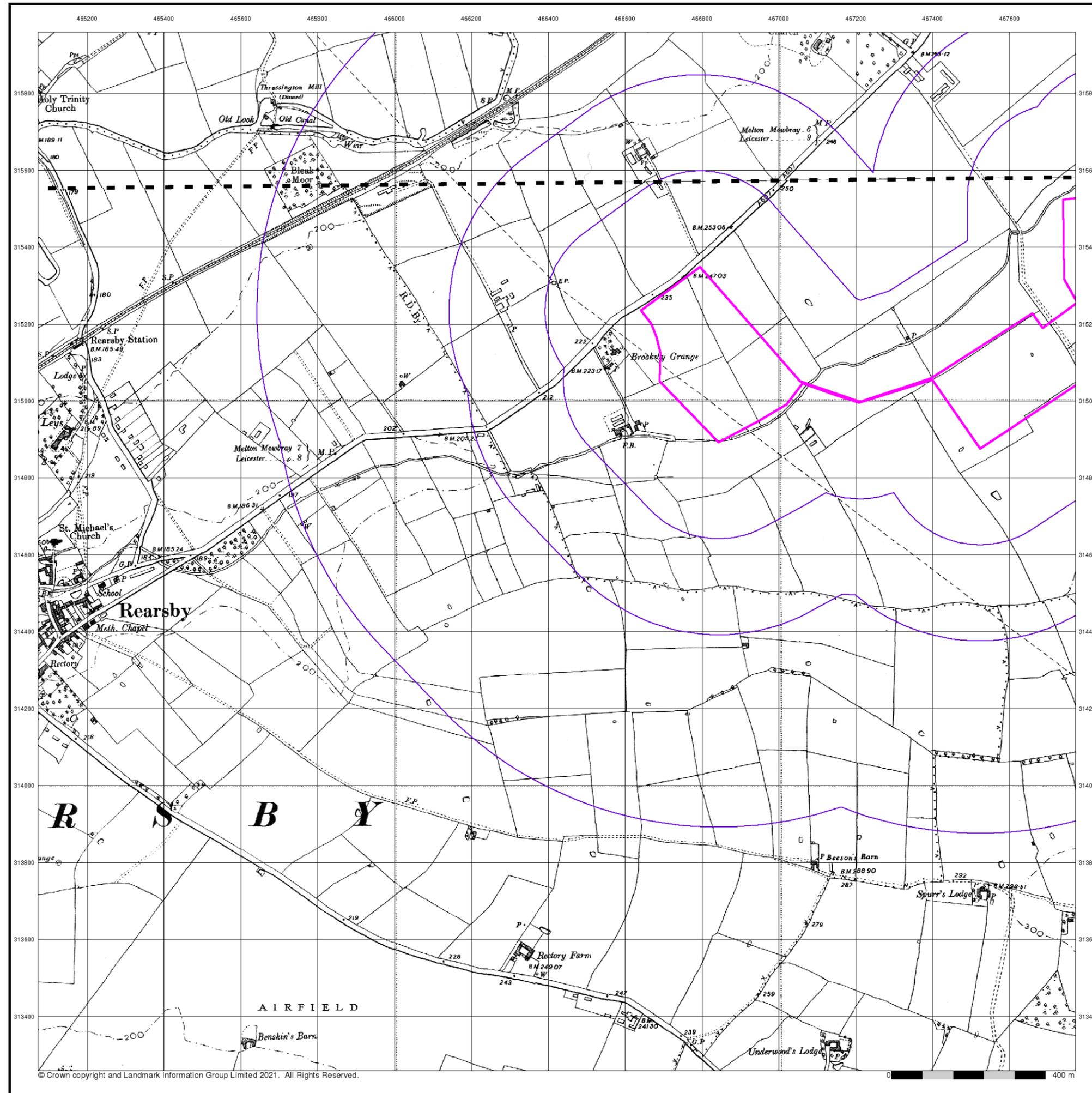
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 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksbury Grange Fm, Leicestershire

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Leicestershire

Published 1952 - 1953

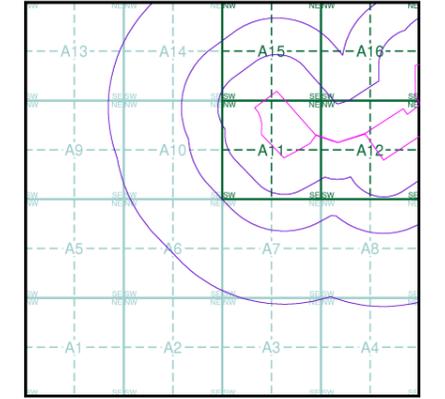
Source map scale - 1:10,560

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Map Name(s) and Date(s)

019SW	1953	1:10,560
026NW	1952	1:10,560

Historical Map - Slice A

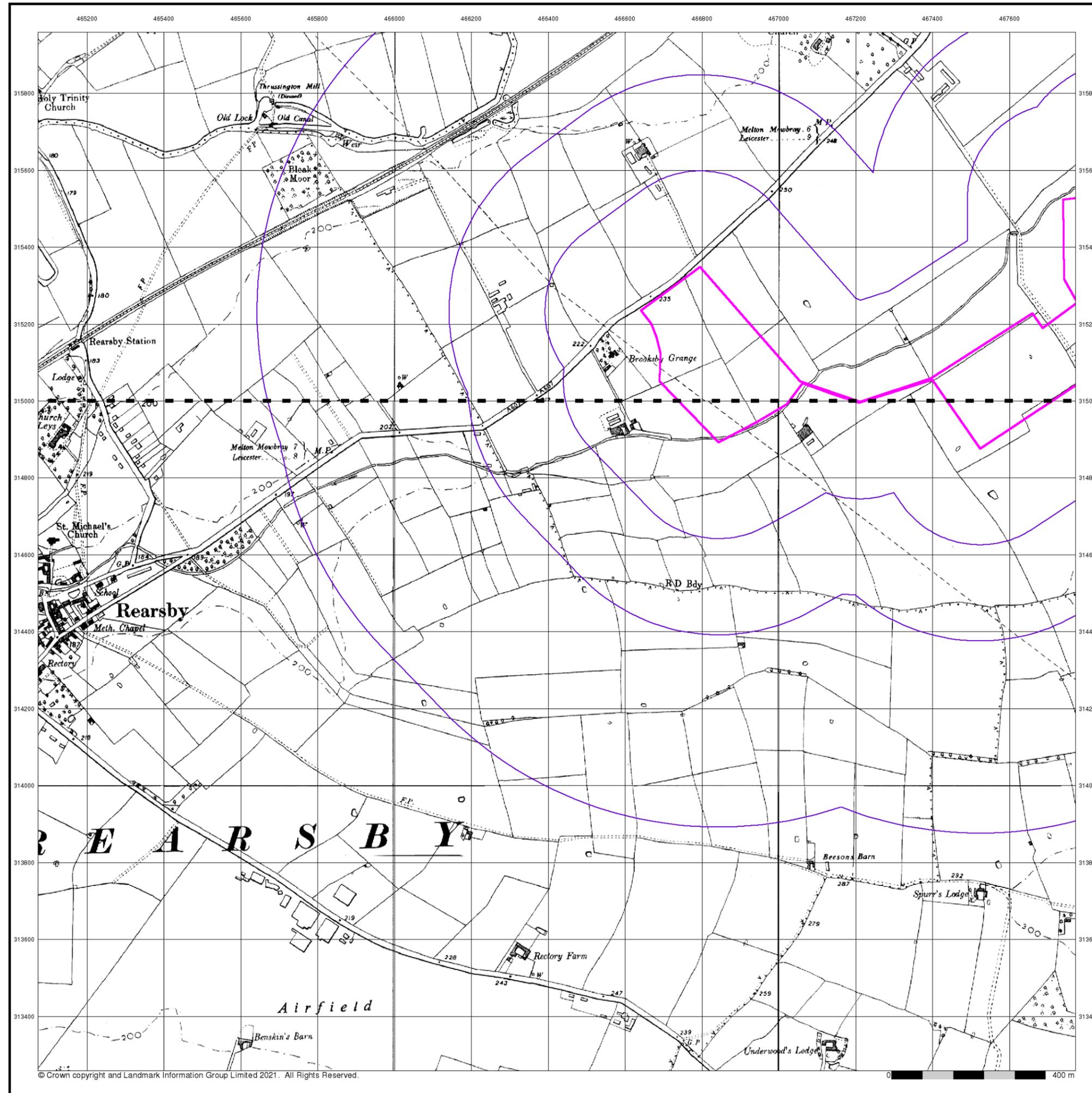


Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksbury Grange Fm, Leicestershire



Ordnance Survey Plan

Published 1959

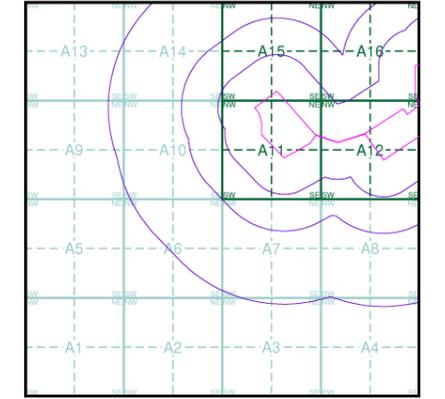
Source map scale - 1:10,000

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Map Name(s) and Date(s)

- SK61NE | 1959 | 1:10,560
- SK61SE | 1959 | 1:10,560

Historical Map - Slice A

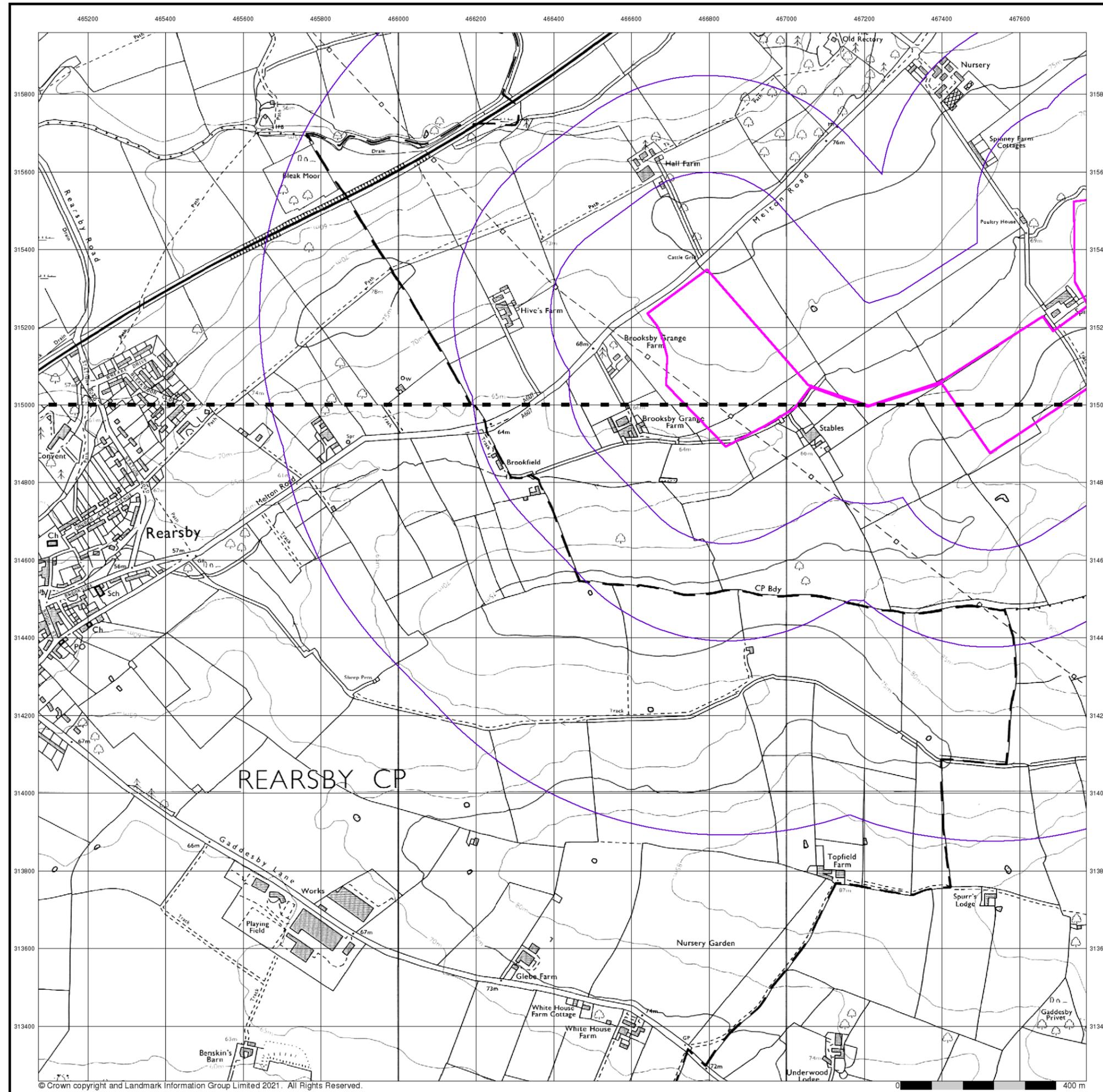


Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire



Ordnance Survey Plan

Published 1977 - 1978

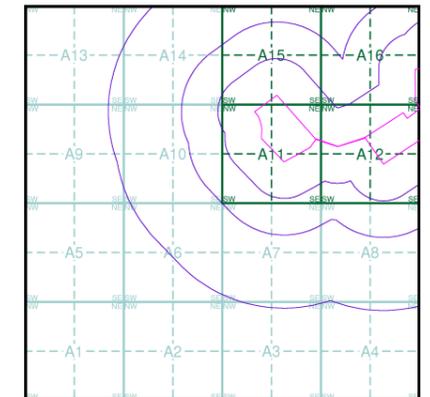
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Map Name(s) and Date(s)

SK61NE	1977	1:10,000
SK61SE	1978	1:10,000

Historical Map - Slice A



Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire

10k Raster Mapping

Published 2000

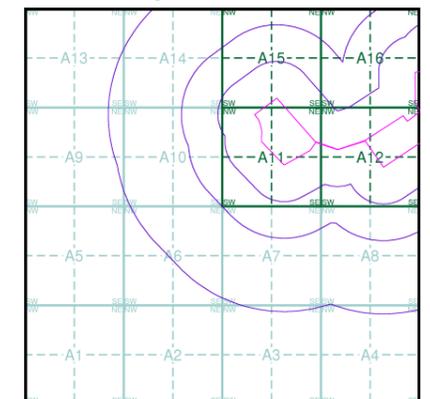
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SK61NE	2000	1:10,000
SK61SE	2000	1:10,000

Historical Map - Slice A

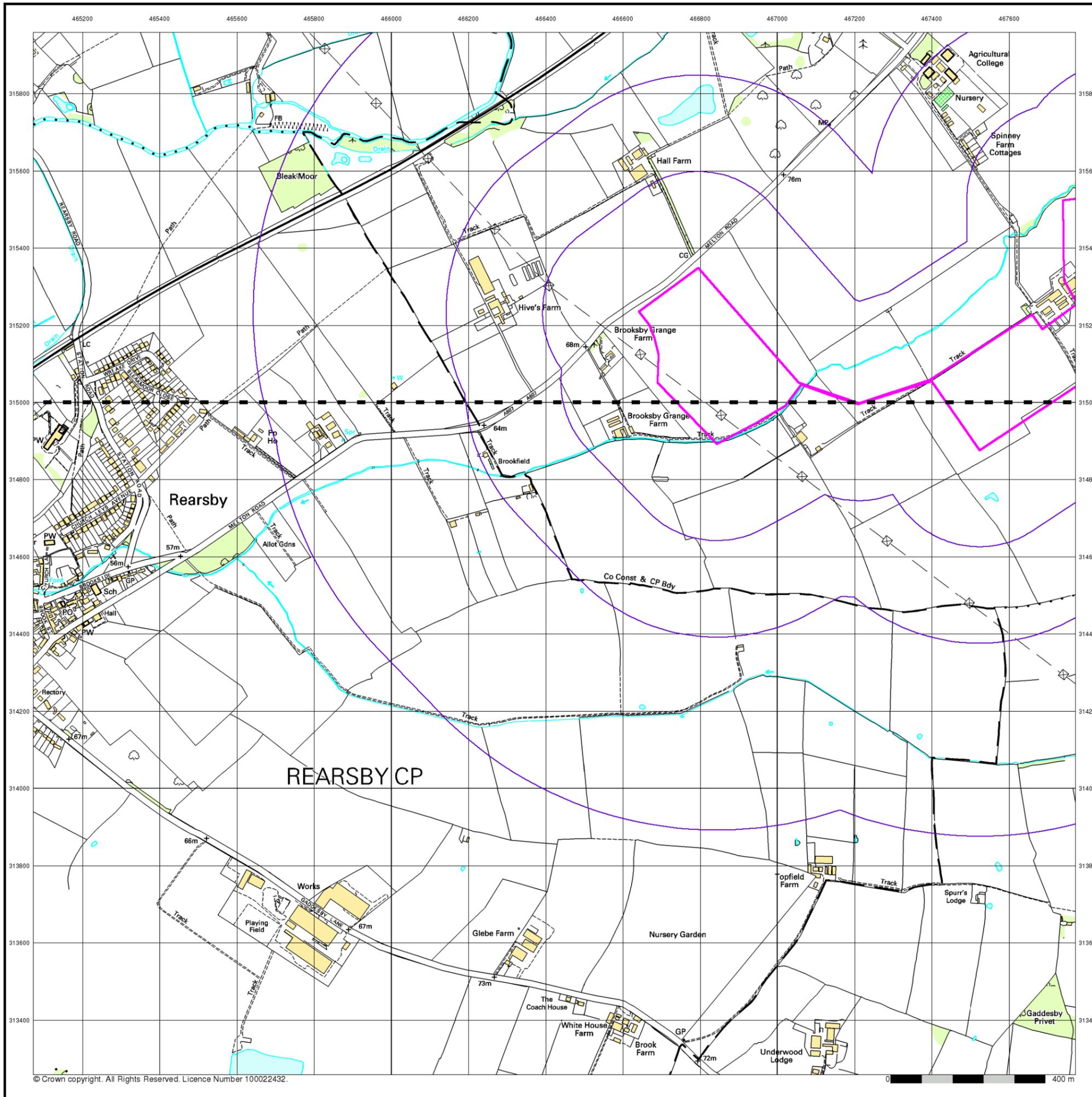


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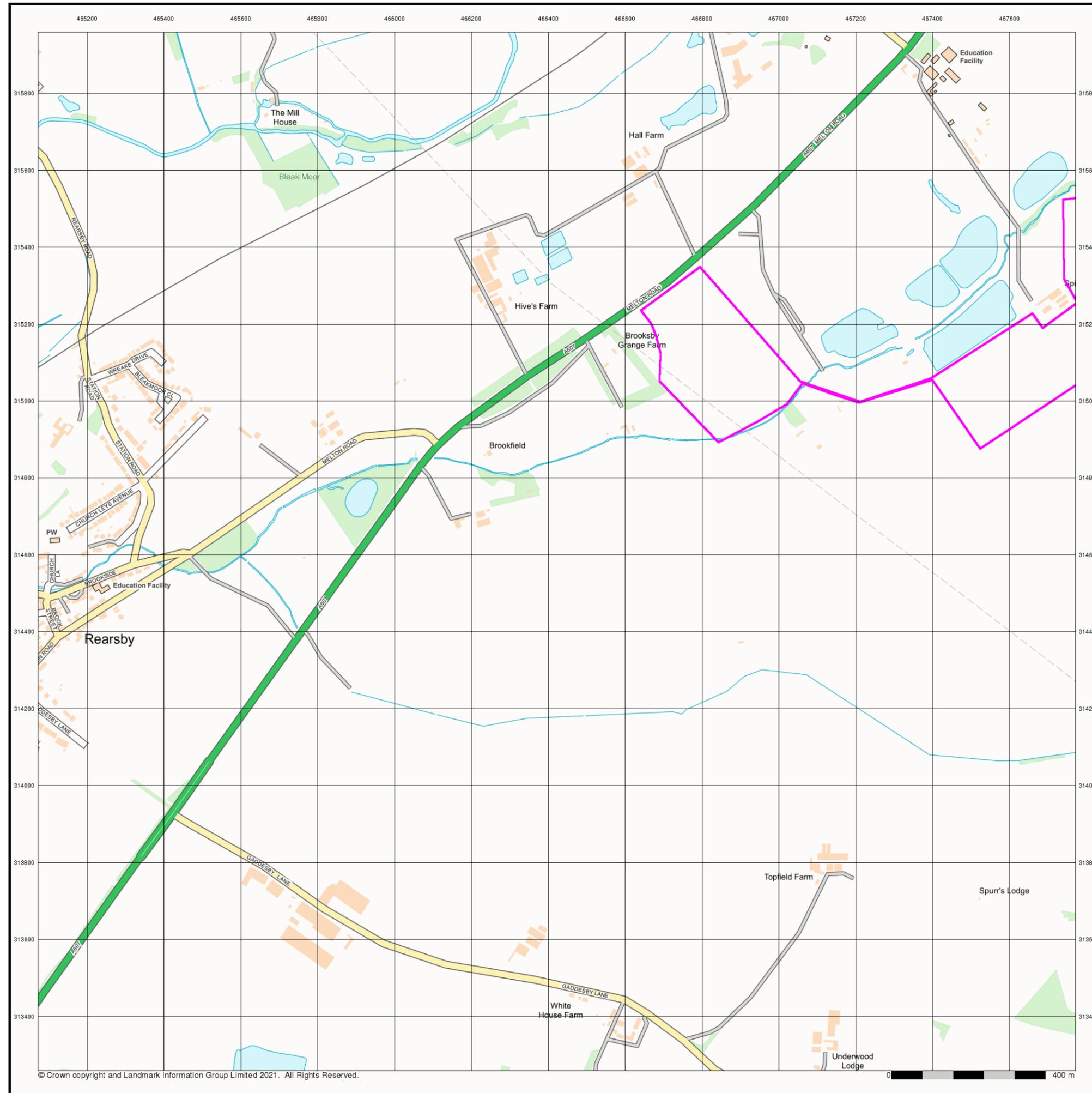
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 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire



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Street View

Published 2021

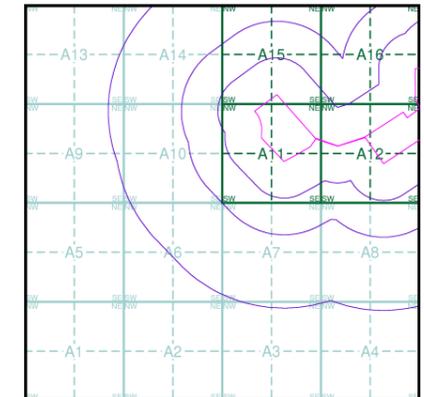
Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)



Street View Map - Slice A



Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksbury Grange Fm, Leicestershire

Historical Mapping Legends

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

Quarry **Gravel Pit** **Sand Pit**
Clay Pit **Shingle** **Refuse Heap**
Sloping Masonry **Flat Rock**
Marsh **Reeds** **Osiers**
Rough Pasture **Furze** **Wood**
Mixed Wood **Brushwood** **Orchard**
Fir **Ford** **Stepping Stones**
Ferry **Waterfall** **Lock**
Trig. Station **Altitude at Trig. Station**
B.M. 325.9 **Bench Mark** **Surface Level**
Arrow denotes flow of water **Antiquities (site of)**
Cutting **Embankment**
Railway crossing Road **Level Crossing** **Road crossing Railway**
Railway crossing River or Canal **Road over single stream** **Road over River or Canal**
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
County Borough Boundary (England)
County Burgh Boundary (Scotland)
Co. Boro. Bdy.
Co. Burgh Bdy.
BP BS Boundary Post or Stone **P.C.B** Police Call Box
B.R. Bridle Road **P** Pump
E.P Electricity Pylon **S.P** Signal Post
F.B. Foot Bridge **SL** Sluice
F.P. Foot Path **Sp.** Spring
G.P Guide Post or Board **T.C.B** Telephone Call Box
M.S Mile Stone **Tr.** Trough
M.P M.R Mooring Post or Ring **W** Well

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

Inactive Quarry, Chalk Pit or Clay Pit **Active Quarry, Chalk Pit or Clay Pit**
Rock **Boulders**
Cliff **Slopes** **Top**
Roofed Building **Glazed Roof Building**
Sloping Masonry **Archway**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Bench Mark** **Antiquity (site of)**
Cave Entrance **Triangulation Station** **Electricity Pylon**
Electricity Transmission Line
County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
London Borough Boundary
Symbol marking point where boundary mereing changes
BH Beer House **P** Pillar, Pole or Post
BP, BS Boundary Post or Stone **PO** Post Office
Cn, C Capstan, Crane **PC** Public Convenience
Chy Chimney **PH** Public House
D Fn Drinking Fountain **Pp** Pump
EI P Electricity Pillar or Post **SB, S Br** Signal Box or Bridge
FAP Fire Alarm Pillar **SP, SL** Signal Post or Light
FB Foot Bridge **Spr** Spring
GP Guide Post **Tk** Tank or Track
H Hydrant or Hydraulic **TCB** Telephone Call Box
LC Level Crossing **TCP** Telephone Call Post
MH Manhole **Tr** Trough
MP Mile Post or Mooring Post **Wr Pt, Wr T** Water Point, Water Tap
MS Mile Stone **W** Well
NTL Normal Tidal Limit **Wd Pp** Wind Pump

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

Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Triangulation Station** **Antiquity (site of)**
Electricity Transmission Line **Electricity Pylon**
B.M. 231.60m Bench Mark **Buildings with Building Seed**
Roofed Building **Glazed Roof Building**
Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)
Bks Barracks **P** Pillar, Pole or Post
Bty Battery **PO** Post Office
Cemy Cemetery **PC** Public Convenience
Chy Chimney **Pp** Pump
Cis Cistern **Ppg Sta** Pumping Station
Dismtd Rly Dismantled Railway **PW** Place of Worship
EI Gen Sta Electricity Generating Station **Sewage Ppg Sta** Sewage Pumping Station
EI P Electricity Pole, Pillar **SB, S Br** Signal Box or Bridge
EI Sub Sta Electricity Sub Station **SP, SL** Signal Post or Light
FB Filter Bed **Spr** Spring
Fn / D Fn Fountain / Drinking Ftn. **Tk** Tank or Track
Gas Gov Gas Valve Compound **Tr** Trough
GVC Gas Governor **Wd Pp** Wind Pump
GP Guide Post **Wr Pt, Wr T** Water Point, Water Tap
MH Manhole **Wks** Works (building or area)
MP, MS Mile Post or Mile Stone **W** Well

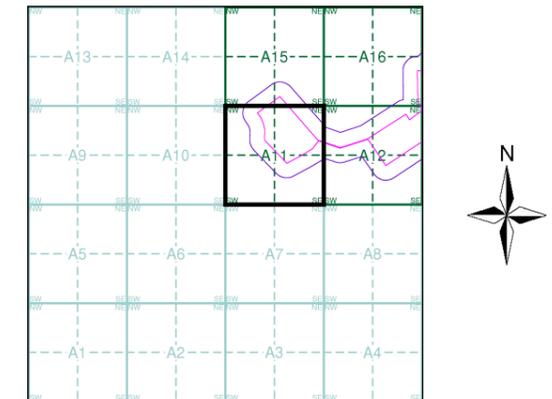
Envirocheck®

LANDMARK INFORMATION GROUP®

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Leicestershire	1:2,500	1884	2
Leicestershire	1:2,500	1903	3
Ordnance Survey Plan	1:2,500	1973	4
Additional SIMs	1:2,500	1992	5
Large-Scale National Grid Data	1:2,500	1994	6

Historical Map - Segment A11



Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 100

Site Details

Site at, Brooksby Grange Fm, Leicestershire

Landmark®
 LANDMARK INFORMATION GROUP

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

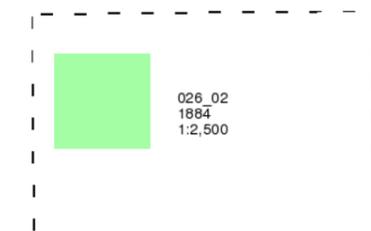
Leicestershire

Published 1884

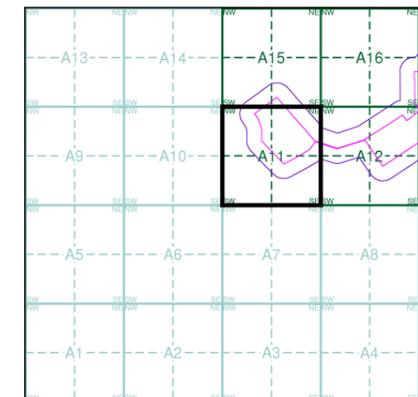
Source map scale - 1:2,500

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 A11

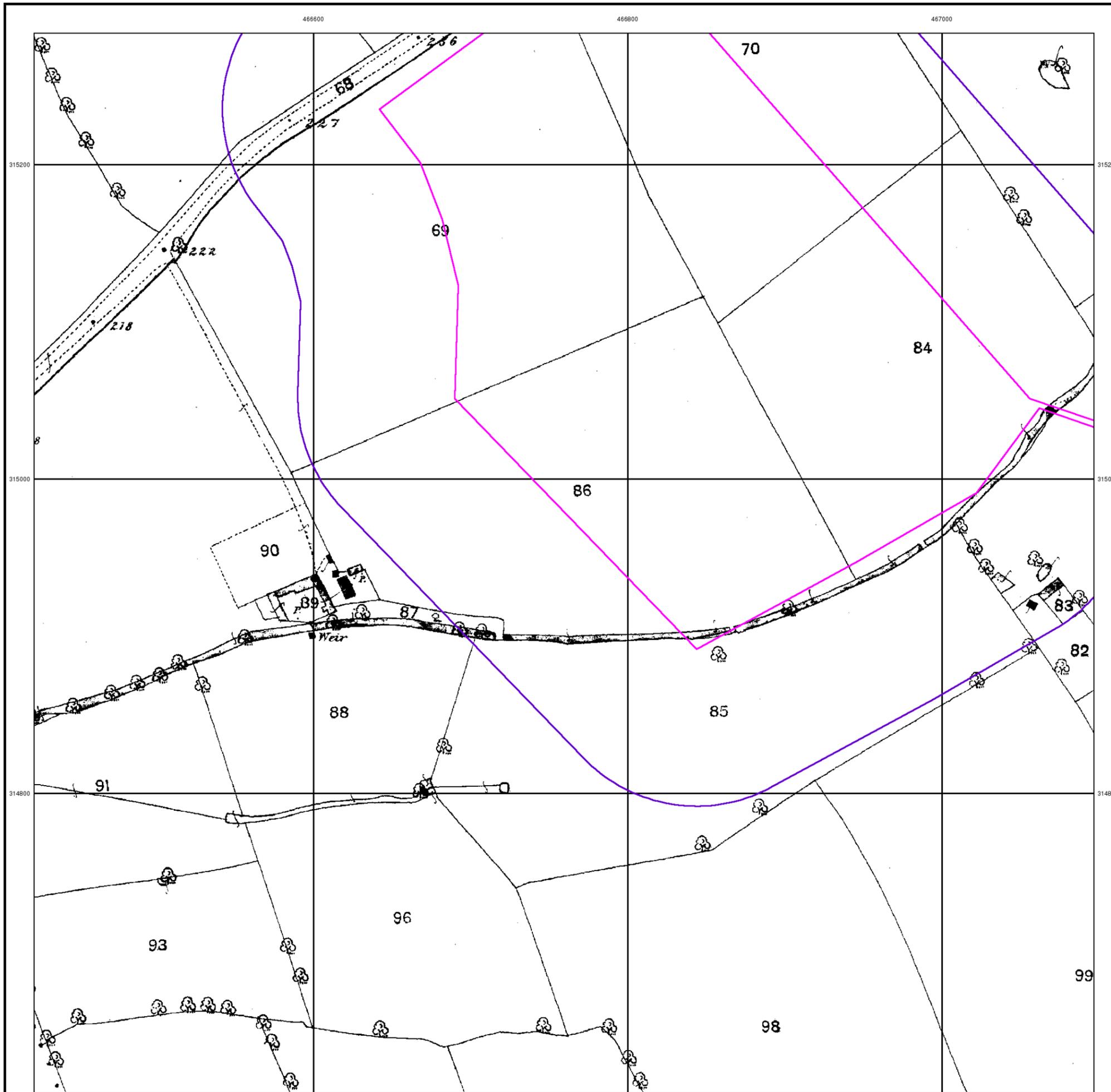


Order Details

Order Number: 282769965_1_1
Customer Ref: TAR/BRO/AKM/5654/01
National Grid Reference: 466800, 314980
Slice: A
Site Area (Ha): 35.96
Search Buffer (m): 100

Site Details

Site at, Brooksby Grange Fm, Leicestershire



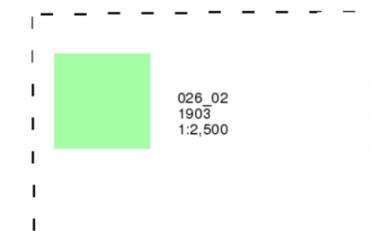
Leicestershire

Published 1903

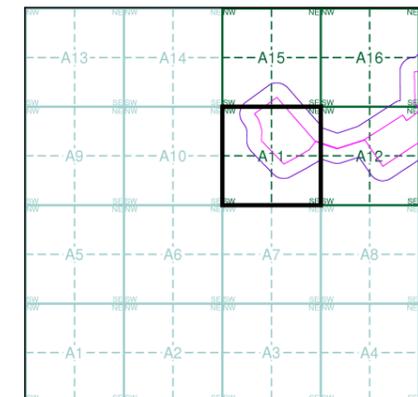
Source map scale - 1:2,500

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 A11

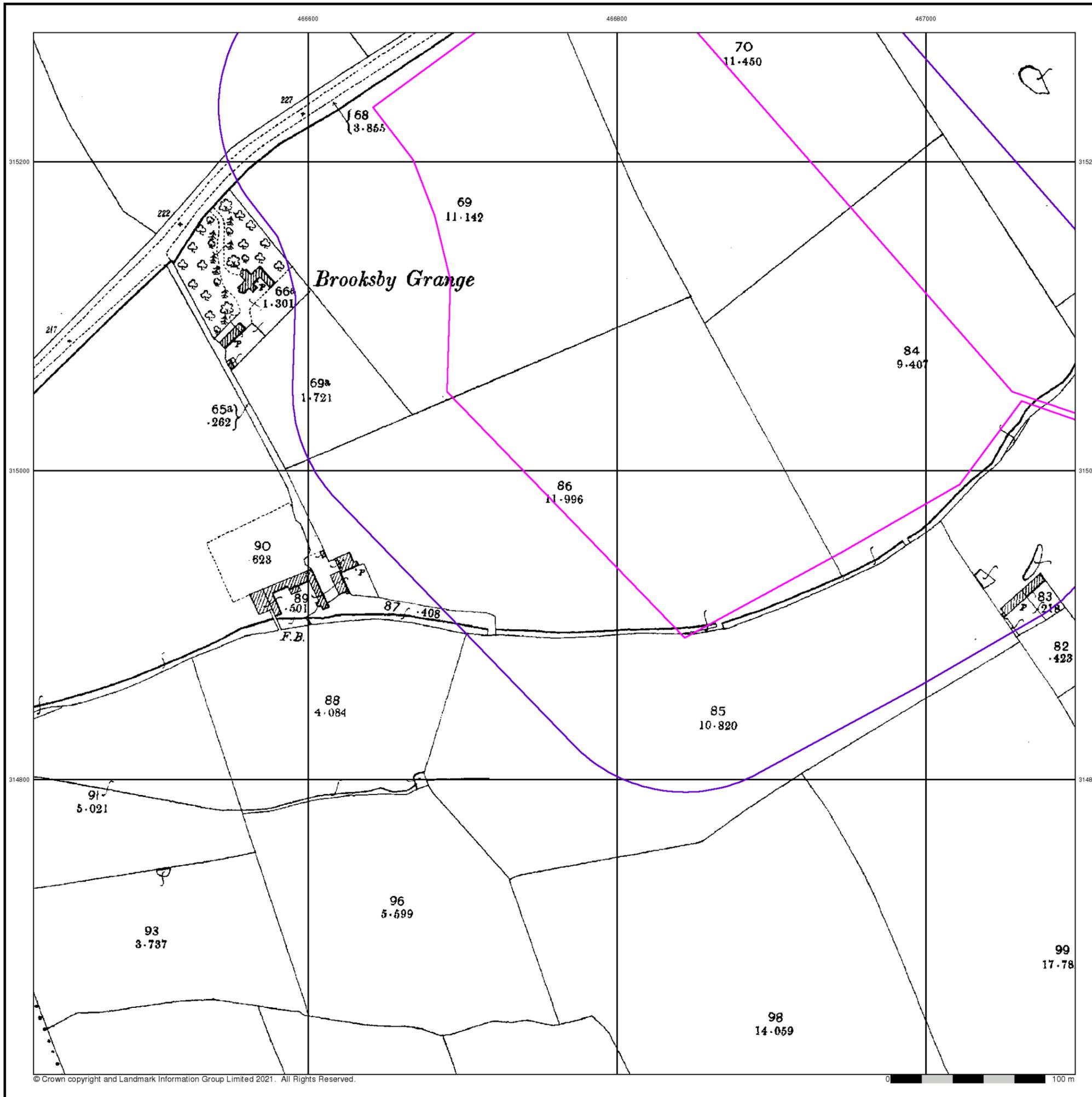


Order Details

Order Number: 282769965_1_1
Customer Ref: TAR/BRO/AKM/5654/01
National Grid Reference: 466800, 314980
Slice: A
Site Area (Ha): 35.96
Search Buffer (m): 100

Site Details

Site at, Brooksby Grange Fm, Leicestershire



Ordnance Survey Plan

Published 1973

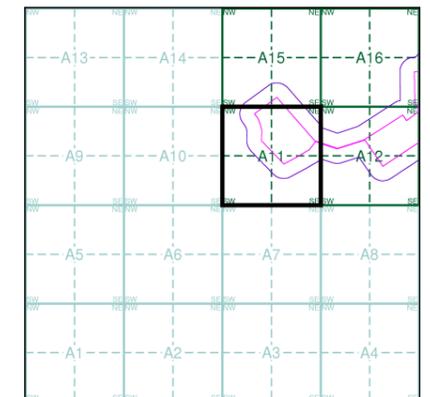
Source map scale - 1:2,500

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)

SK6615 1973 12,500	SK6715 1973 12,500
SK6614 1973 12,500	SK6714 1973 12,500

Historical Map - Segment A11

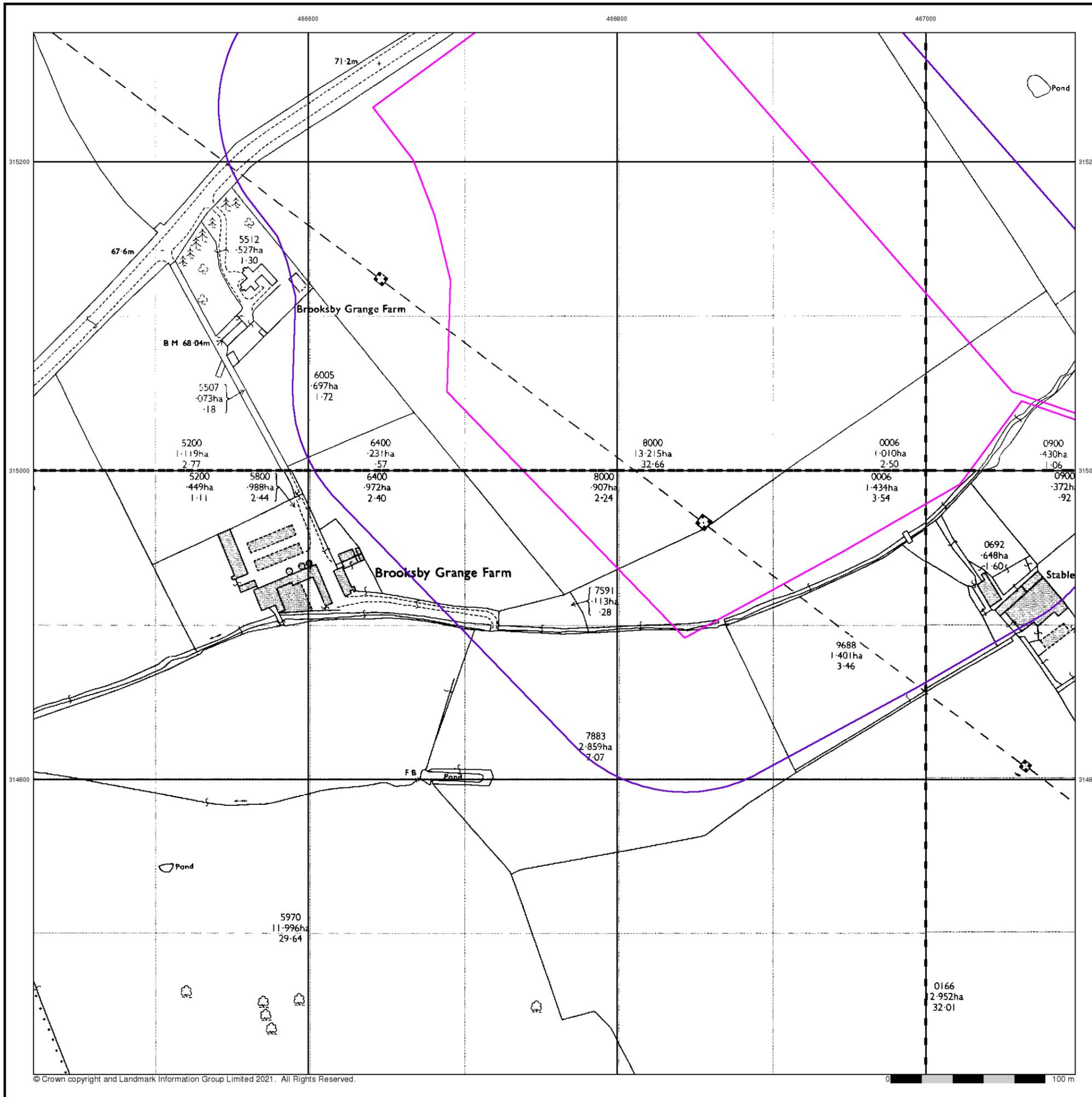


Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 100

Site Details

Site at, Brooksby Grange Fm, Leicestershire



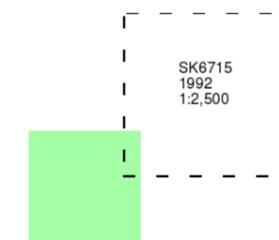
Additional SIMs

Published 1992

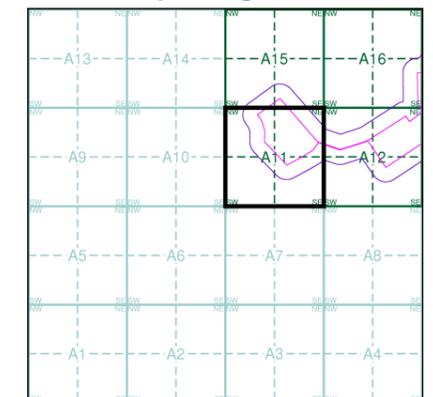
Source map scale - 1:2,500

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 A11

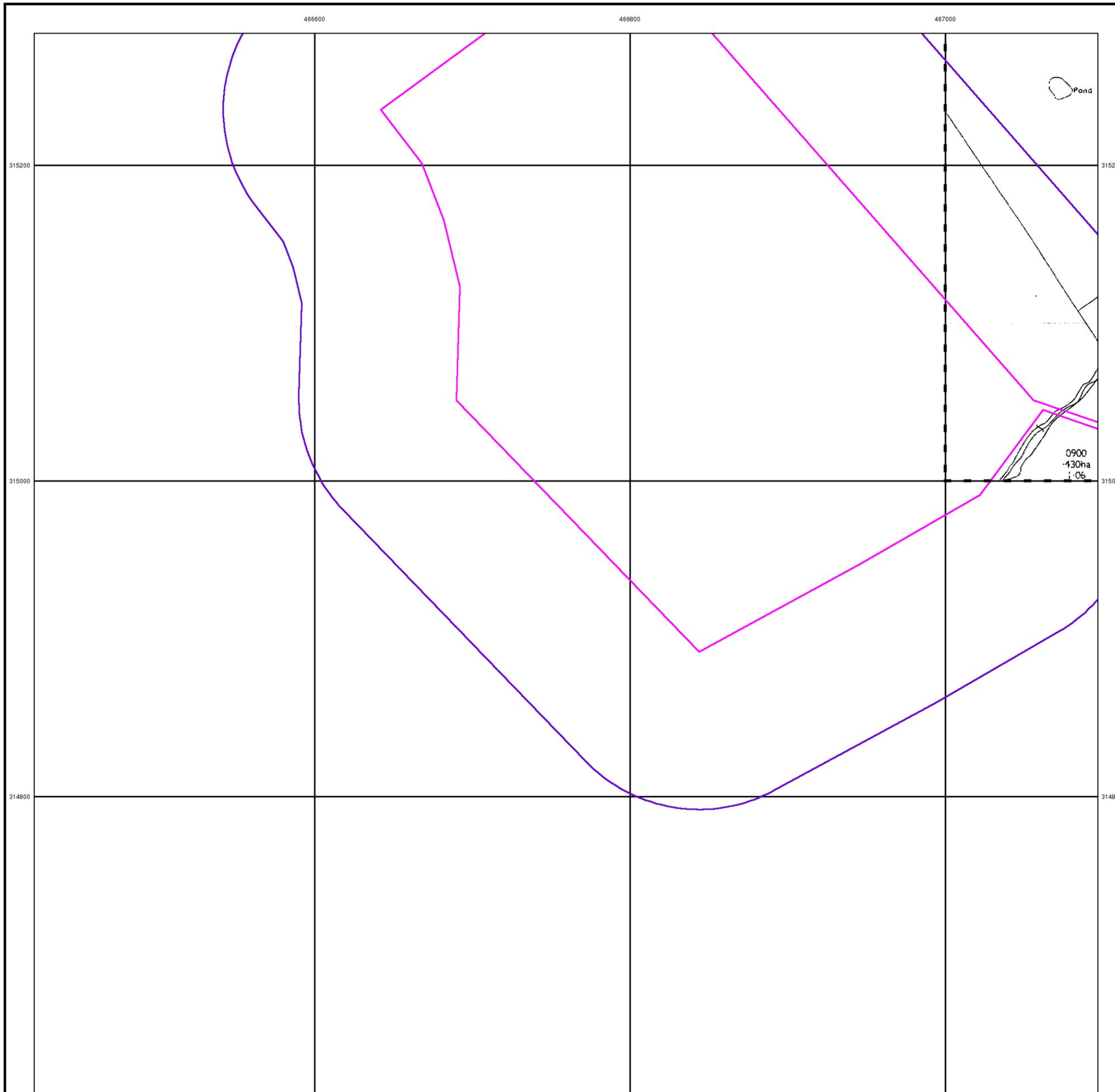


Order Details

Order Number: 282769965_1_1
Customer Ref: TAR/BRO/AKM/5654/01
National Grid Reference: 466800, 314980
Slice: A
Site Area (Ha): 35.96
Search Buffer (m): 100

Site Details

Site at, Brooksby Grange Fm, Leicestershire



Large-Scale National Grid Data

Published 1994

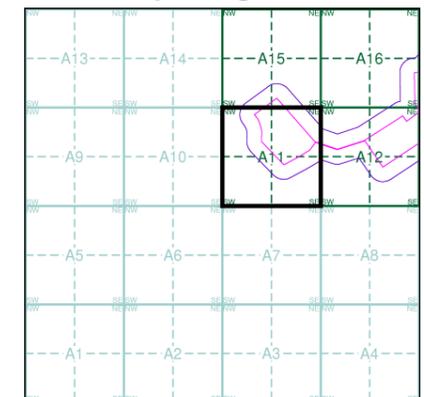
Source map scale - 1:2,500

'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)

SK6615 1994 12,500	SK6715 1994 12,500
SK6614 1994 12,500	SK6714 1994 12,500

Historical Map - Segment A11

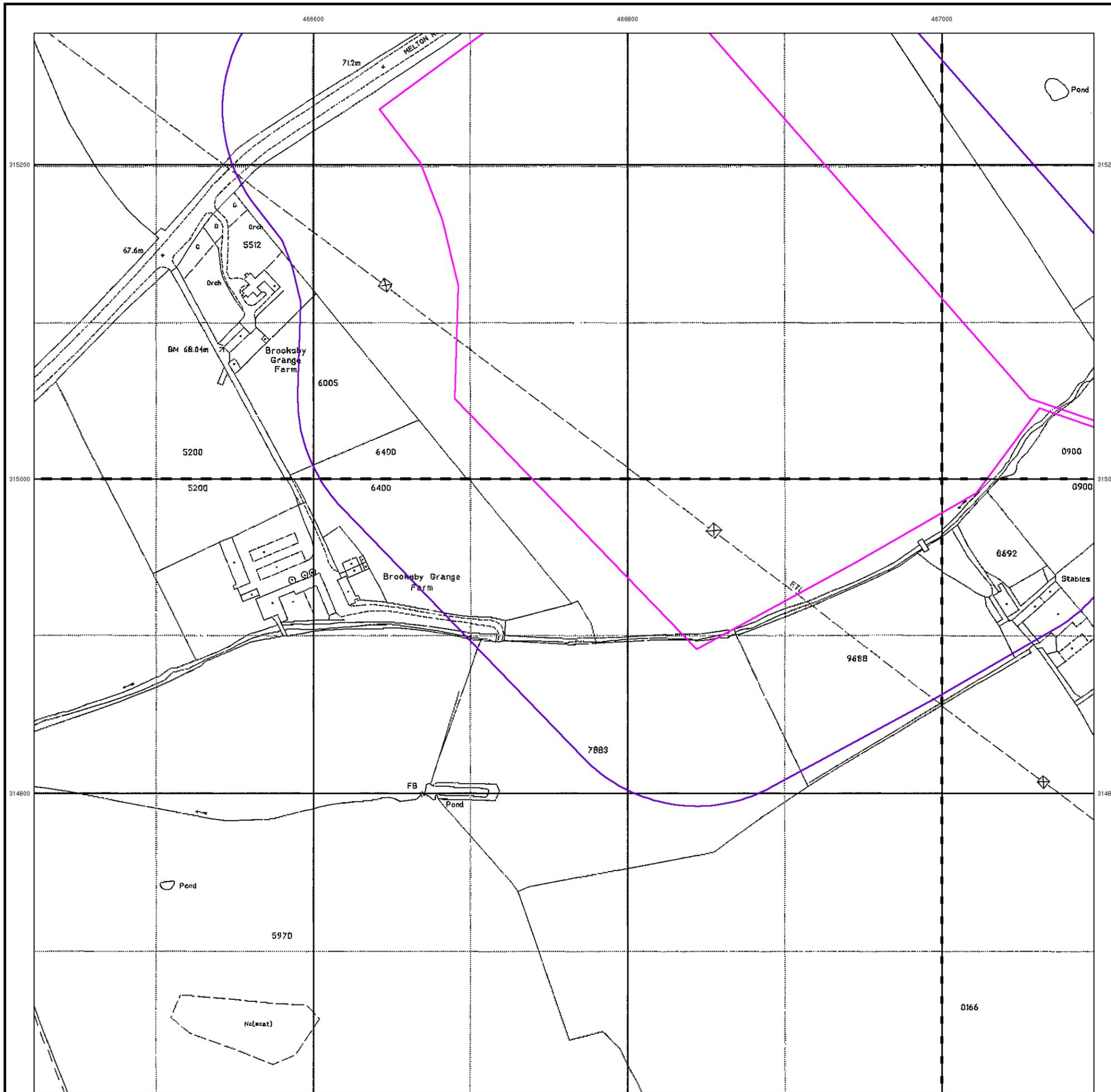


Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 100

Site Details

Site at, Brooksby Grange Fm, Leicestershire



Historical Mapping Legends

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

Quarry **Gravel Pit** **Sand Pit**
Clay Pit **Shingle** **Refuse Heap**
Sloping Masonry **Flat Rock**
Marsh **Reeds** **Osiers**
Rough Pasture **Furze** **Wood**
Mixed Wood **Brushwood** **Orchard**
Fir **Ford** **Stepping Stones**
Ferry **Waterfall** **Lock**
Trig. Station **Altitude at Trig. Station**
B.M. 325.9 **Bench Mark** **Surface Level**
Arrow denotes flow of water **Antiquities (site of)**
Cutting **Embankment**
Railway crossing Road **Level Crossing** **Road crossing Railway**
Railway crossing River or Canal **Road over single stream** **Road over River or Canal**
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
County Borough Boundary (England)
County Burgh Boundary (Scotland)
Co. Boro. Bdy.
Co. Burgh Bdy.
BP BS Boundary Post or Stone **P.C.B** Police Call Box
B.R. Bridle Road **P** Pump
E.P Electricity Pylon **S.P** Signal Post
F.B. Foot Bridge **SL** Sluice
F.P. Foot Path **Sp.** Spring
G.P Guide Post or Board **T.C.B** Telephone Call Box
M.S Mile Stone **Tr.** Trough
M.P M.R Mooring Post or Ring **W** Well

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

Inactive Quarry, Chalk Pit or Clay Pit **Active Quarry, Chalk Pit or Clay Pit**
Rock **Boulders**
Cliff **Slopes** **Top**
Roofed Building **Glazed Roof Building**
Sloping Masonry **Archway**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Bench Mark** **Antiquity (site of)**
Cave Entrance **Triangulation Station** **Electricity Pylon**
Electricity Transmission Line
County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
London Borough Boundary
Symbol marking point where boundary mereing changes
BH Beer House **P** Pillar, Pole or Post
BP, BS Boundary Post or Stone **PO** Post Office
Cn, C Capstan, Crane **PC** Public Convenience
Chy Chimney **PH** Public House
D Fn Drinking Fountain **Pp** Pump
EI P Electricity Pillar or Post **SB, S Br** Signal Box or Bridge
FAP Fire Alarm Pillar **SP, SL** Signal Post or Light
FB Foot Bridge **Spr** Spring
GP Guide Post **Tk** Tank or Track
H Hydrant or Hydraulic **TCB** Telephone Call Box
LC Level Crossing **TCP** Telephone Call Post
MH Manhole **Tr** Trough
MP Mile Post or Mooring Post **Wr Pt, Wr T** Water Point, Water Tap
MS Mile Stone **W** Well
NTL Normal Tidal Limit **Wd Pp** Wind Pump

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

Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Triangulation Station** **Antiquity (site of)**
Electricity Transmission Line **Electricity Pylon**
B.M. 231.60m **Bench Mark** **Buildings with Building Seed**
Roofed Building **Glazed Roof Building**
Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)
Bks Barracks **P** Pillar, Pole or Post
Bty Battery **PO** Post Office
Cemy Cemetery **PC** Public Convenience
Chy Chimney **Pp** Pump
Cis Cistern **Ppg Sta** Pumping Station
Dismtd Rly Dismantled Railway **PW** Place of Worship
EI Gen Sta Electricity Generating Station **Sewage Ppg Sta** Sewage Pumping Station
EI P Electricity Pole, Pillar **SB, S Br** Signal Box or Bridge
EI Sub Sta Electricity Sub Station **SP, SL** Signal Post or Light
FB Filter Bed **Spr** Spring
Fn / D Fn Fountain / Drinking Ftn. **Tk** Tank or Track
Gas Gov Gas Valve Compound **Tr** Trough
GVC Gas Governor **Wd Pp** Wind Pump
GP Guide Post **Wr Pt, Wr T** Water Point, Water Tap
MH Manhole **Wks** Works (building or area)
MP, MS Mile Post or Mile Stone **W** Well

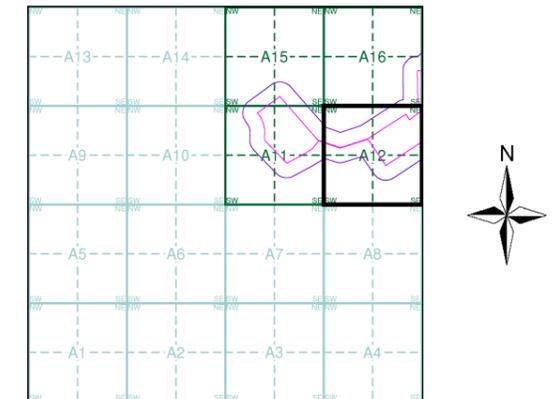
Envirocheck®

LANDMARK INFORMATION GROUP®

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Leicestershire	1:2,500	1884	2
Leicestershire	1:2,500	1903	3
Ordnance Survey Plan	1:2,500	1973	4
Additional SIMs	1:2,500	1992	5
Large-Scale National Grid Data	1:2,500	1994	6

Historical Map - Segment A12



Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 100

Site Details

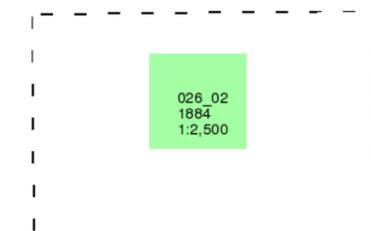
Site at, Brooksby Grange Fm, Leicestershire

Landmark
 INFORMATION GROUP

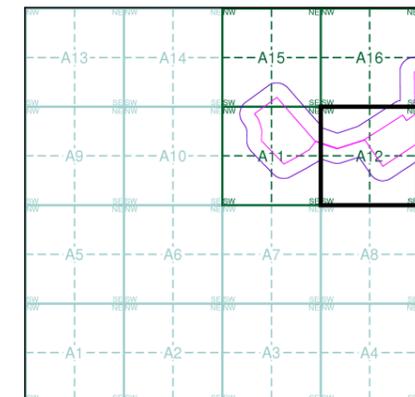
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

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 A12

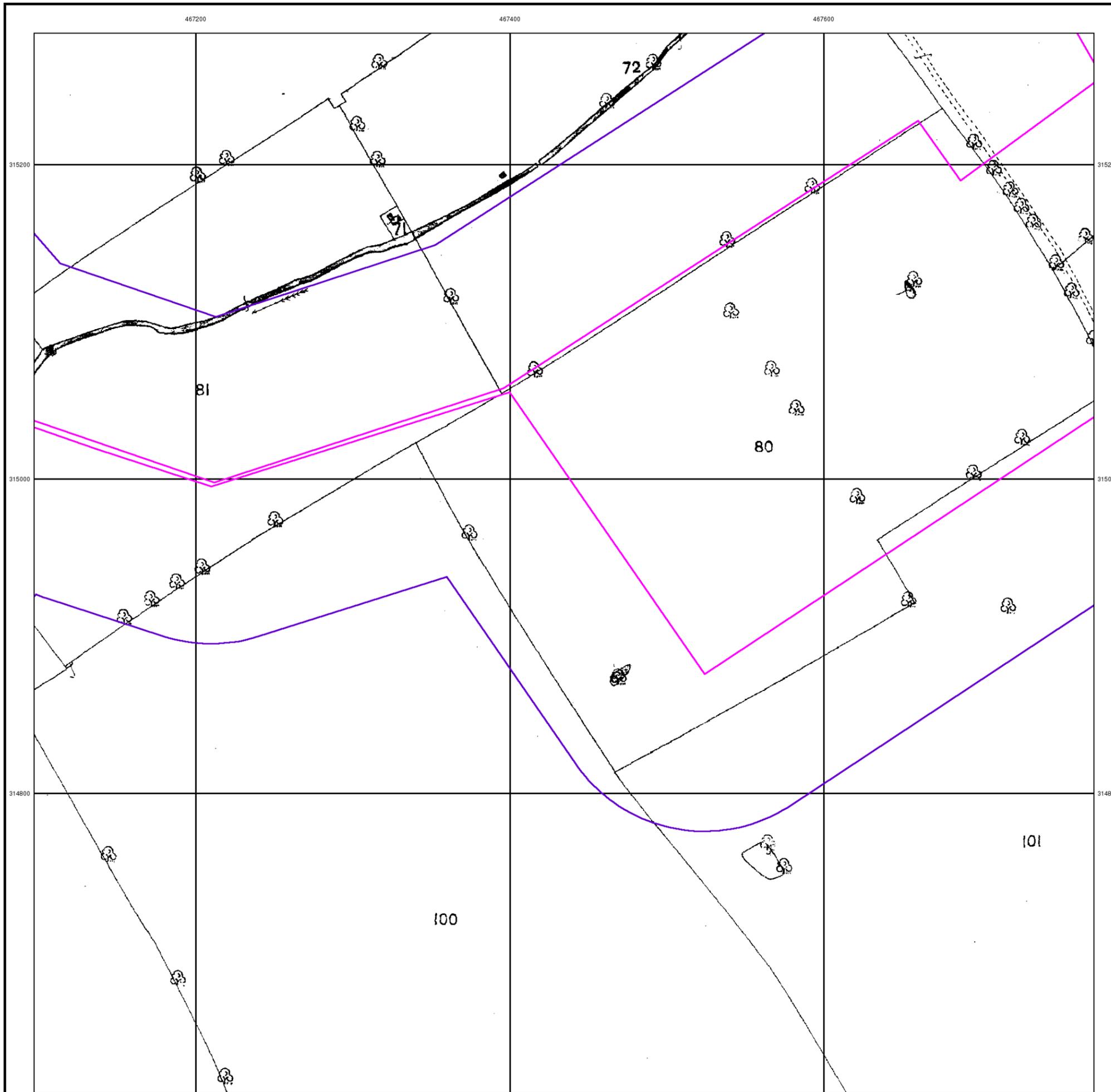


Order Details

Order Number: 282769965_1_1
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 Site Area (Ha): 35.96
 Search Buffer (m): 100

Site Details

Site at, Brooksby Grange Fm, Leicestershire



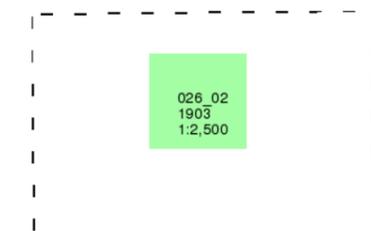
Leicestershire

Published 1903

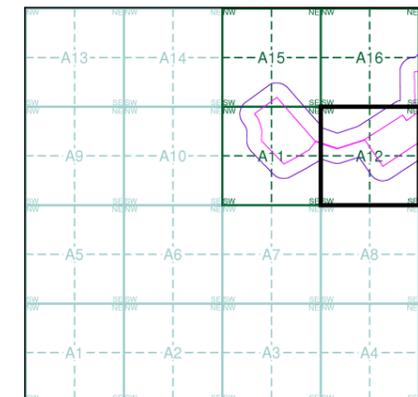
Source map scale - 1:2,500

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 A12

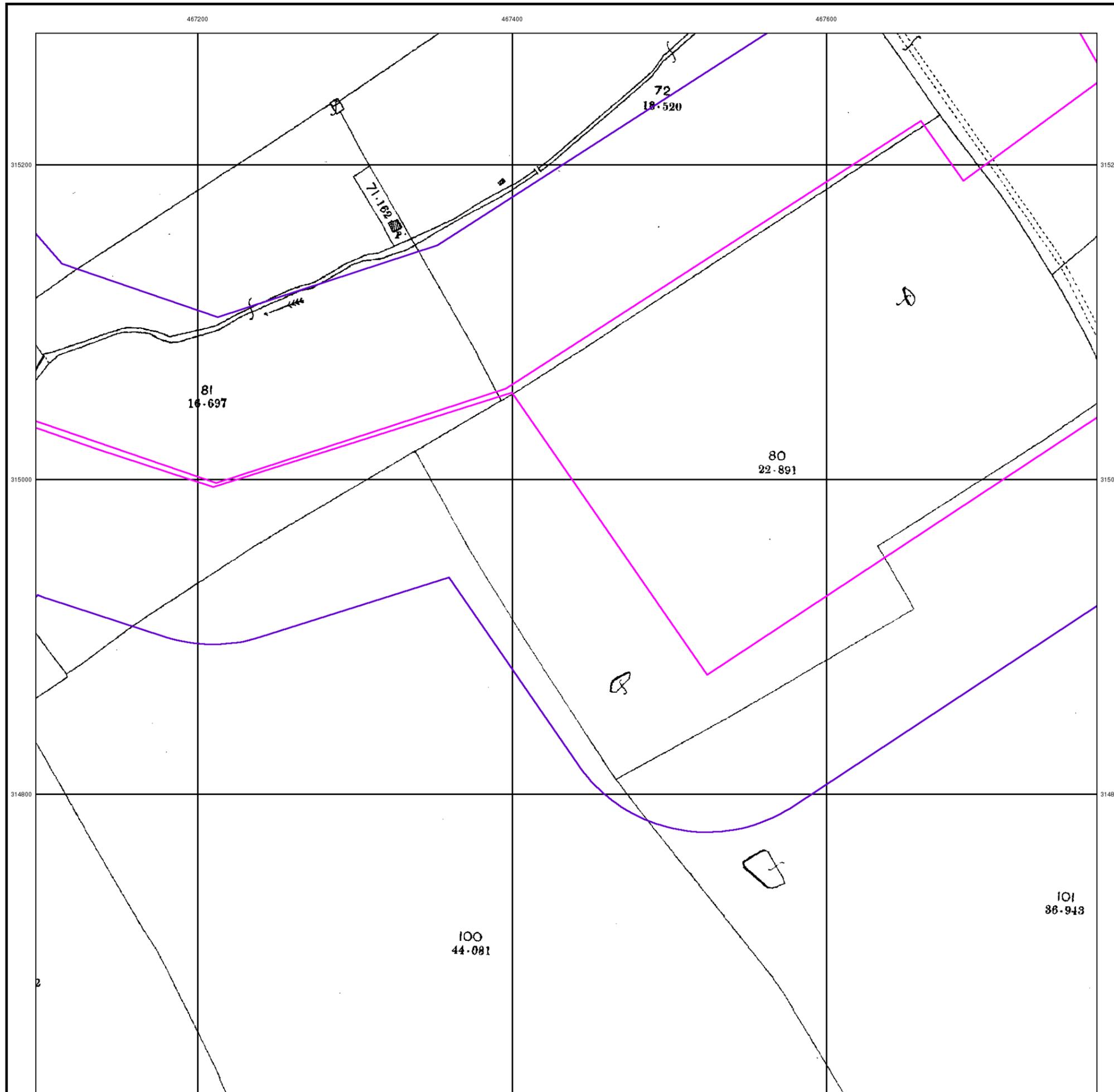


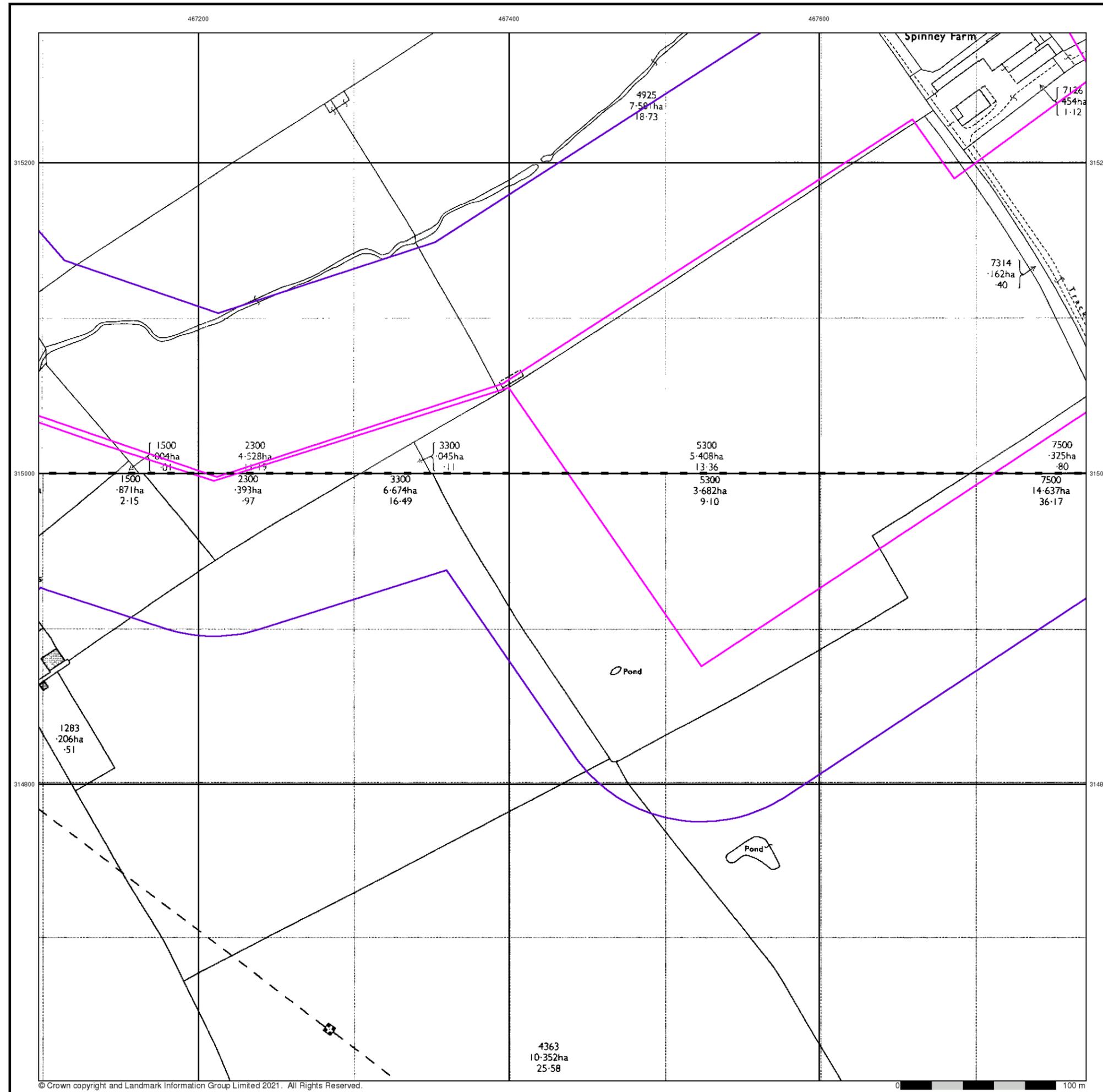
Order Details

Order Number: 282769965_1_1
Customer Ref: TAR/BRO/AKM/5654/01
National Grid Reference: 466800, 314980
Slice: A
Site Area (Ha): 35.96
Search Buffer (m): 100

Site Details

Site at, Brooksby Grange Fm, Leicestershire





Ordnance Survey Plan

Published 1973

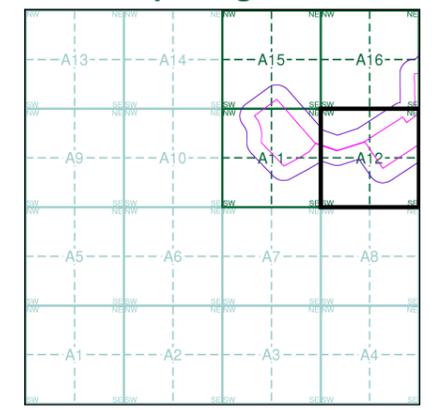
Source map scale - 1:2,500

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Map Name(s) and Date(s)

SK6715	1973	1:2,500
SK6714	1973	1:2,500

Historical Map - Segment A12

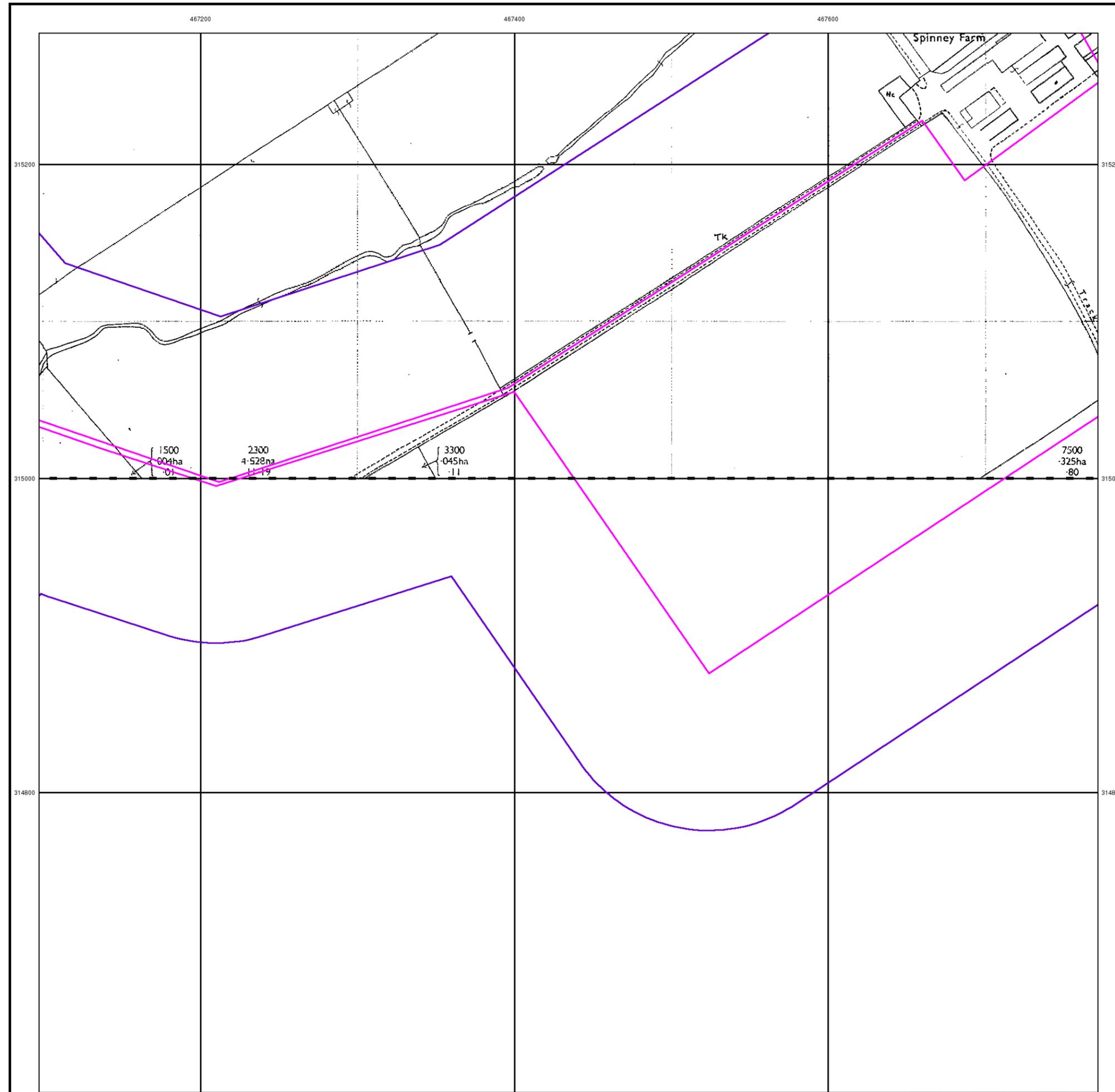


Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
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 Search Buffer (m): 100

Site Details

Site at, Brooksby Grange Fm, Leicestershire



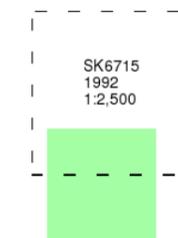
Additional SIMs

Published 1992

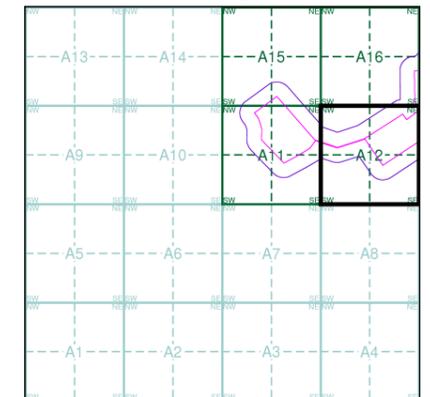
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A12

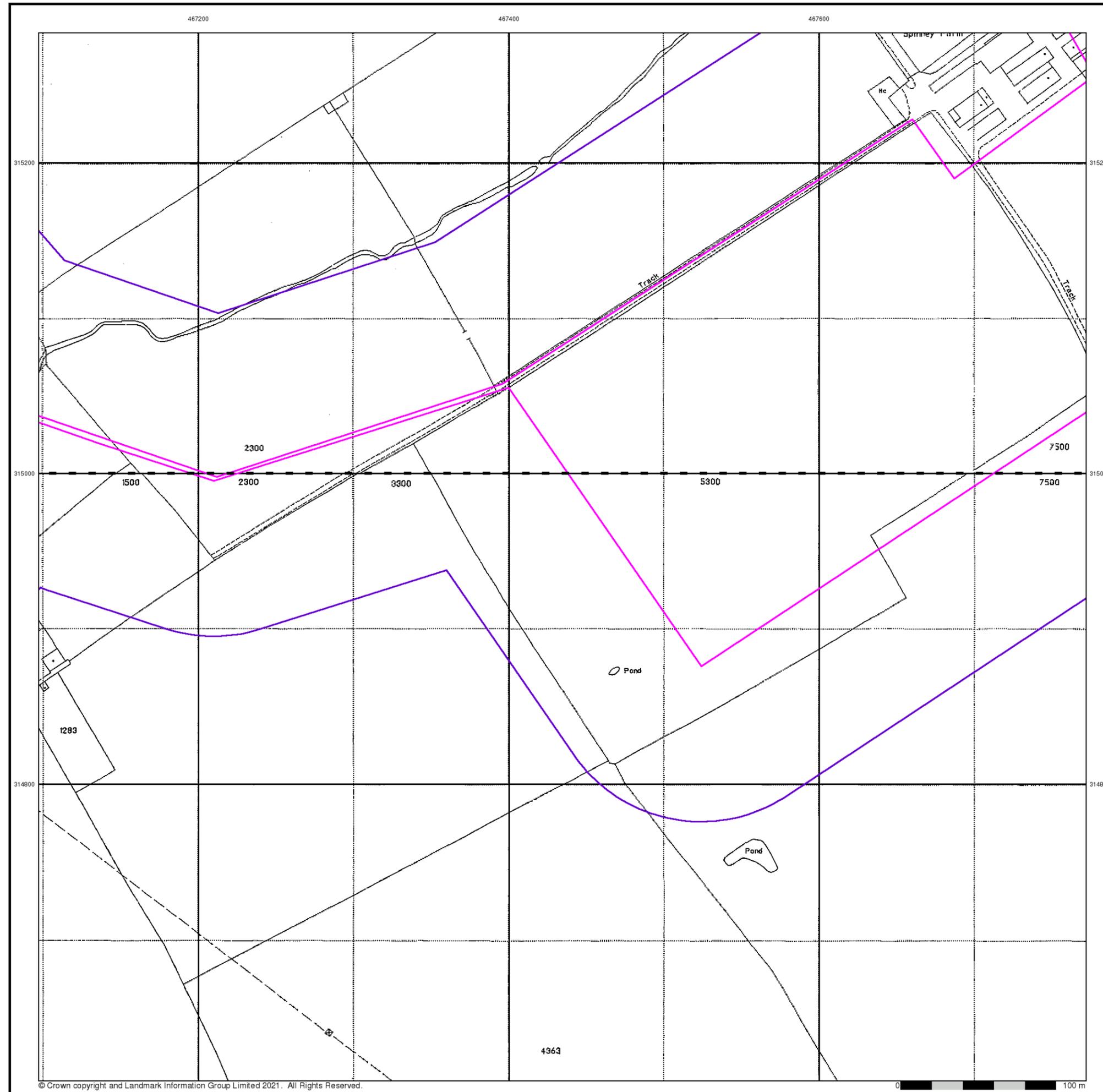


Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 100

Site Details

Site at, Brooksby Grange Fm, Leicestershire



Large-Scale National Grid Data

Published 1994

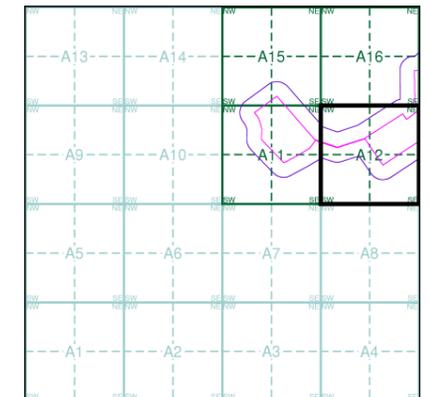
Source map scale - 1:2,500

'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)

SK6715	1994	1:2,500
SK6714	1994	1:2,500

Historical Map - Segment A12



Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 100

Site Details

Site at, Brooksby Grange Fm, Leicestershire

Historical Mapping Legends

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

Quarry **Gravel Pit** **Sand Pit**
Clay Pit **Shingle** **Refuse Heap**
Sloping Masonry **Flat Rock**
Marsh **Reeds** **Osiers**
Rough Pasture **Furze** **Wood**
Mixed Wood **Brushwood** **Orchard**
Fir **Ford** **Stepping Stones**
Ferry **Waterfall** **Lock**
Trig. Station **Altitude at Trig. Station**
B.M. 325.9 **Bench Mark** **Surface Level**
Arrow denotes flow of water **Antiquities (site of)**
Cutting **Embankment**
Railway crossing Road **Level Crossing** **Road crossing Railway**
Railway crossing River or Canal **Road over single stream** **Road over River or Canal**
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
County Borough Boundary (England)
County Burgh Boundary (Scotland)
Co. Boro. Bdy.
Co. Burgh Bdy.
BP BS Boundary Post or Stone **P.C.B** Police Call Box
B.R. Bridle Road **P** Pump
E.P Electricity Pylon **S.P** Signal Post
F.B. Foot Bridge **SL** Sluice
F.P. Foot Path **Sp.** Spring
G.P Guide Post or Board **T.C.B** Telephone Call Box
M.S Mile Stone **Tr.** Trough
M.P M.R Mooring Post or Ring **W** Well

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

Inactive Quarry, Chalk Pit or Clay Pit **Active Quarry, Chalk Pit or Clay Pit**
Rock **Boulders**
Cliff **Slopes** **Top**
Roofed Building **Glazed Roof Building**
Sloping Masonry **Archway**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Bench Mark** **Antiquity (site of)**
Cave Entrance **Triangulation Station** **Electricity Pylon**
Electricity Transmission Line
County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
London Borough Boundary
Symbol marking point where boundary mereing changes
BH Beer House **P** Pillar, Pole or Post
BP, BS Boundary Post or Stone **PO** Post Office
Cn, C Capstan, Crane **PC** Public Convenience
Chy Chimney **PH** Public House
D Fn Drinking Fountain **Pp** Pump
EI P Electricity Pillar or Post **SB, S Br** Signal Box or Bridge
FAP Fire Alarm Pillar **SP, SL** Signal Post or Light
FB Foot Bridge **Spr** Spring
GP Guide Post **Tk** Tank or Track
H Hydrant or Hydraulic **TCB** Telephone Call Box
LC Level Crossing **TCP** Telephone Call Post
MH Manhole **Tr** Trough
MP Mile Post or Mooring Post **Wr Pt, Wr T** Water Point, Water Tap
MS Mile Stone **W** Well
NTL Normal Tidal Limit **Wd Pp** Wind Pump

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

Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Triangulation Station** **Antiquity (site of)**
Electricity Transmission Line **Electricity Pylon**
B.M. 231.60m Bench Mark **Buildings with Building Seed**
Roofed Building **Glazed Roof Building**
Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)
Bks Barracks **P** Pillar, Pole or Post
Bty Battery **PO** Post Office
Cemy Cemetery **PC** Public Convenience
Chy Chimney **Pp** Pump
Cis Cistern **Ppg Sta** Pumping Station
Dismtd Rly Dismantled Railway **PW** Place of Worship
EI Gen Sta Electricity Generating Station **Sewage Ppg Sta** Sewage Pumping Station
EI P Electricity Pole, Pillar **SB, S Br** Signal Box or Bridge
EI Sub Sta Electricity Sub Station **SP, SL** Signal Post or Light
FB Filter Bed **Spr** Spring
Fn / D Fn Fountain / Drinking Ftn. **Tk** Tank or Track
Gas Gov Gas Valve Compound **Tr** Trough
GVC Gas Governor **Wd Pp** Wind Pump
GP Guide Post **Wr Pt, Wr T** Water Point, Water Tap
MH Manhole **Wks** Works (building or area)
MP, MS Mile Post or Mile Stone **W** Well

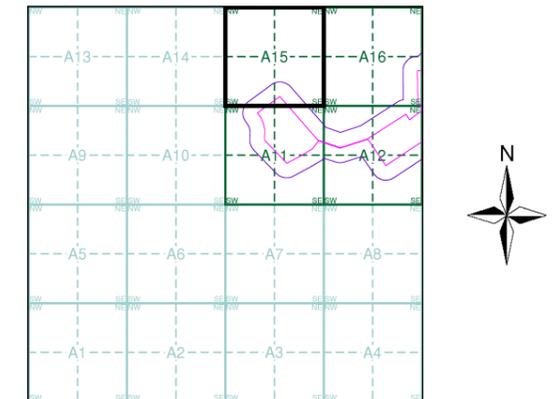
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Leicestershire	1:2,500	1884	2
Leicestershire	1:2,500	1903	3
Ordnance Survey Plan	1:2,500	1973	4
Additional SIMs	1:2,500	1992	5
Large-Scale National Grid Data	1:2,500	1994	6

Historical Map - Segment A15



Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 100

Site Details

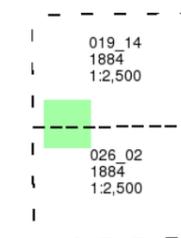
Site at, Brooksby Grange Fm, Leicestershire

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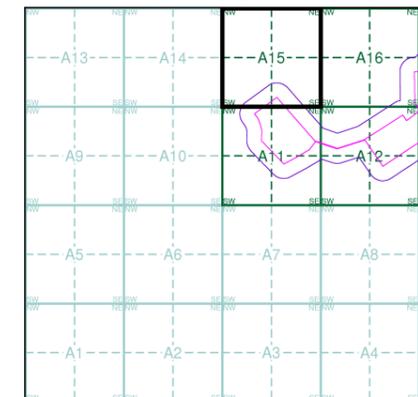
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

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 A15

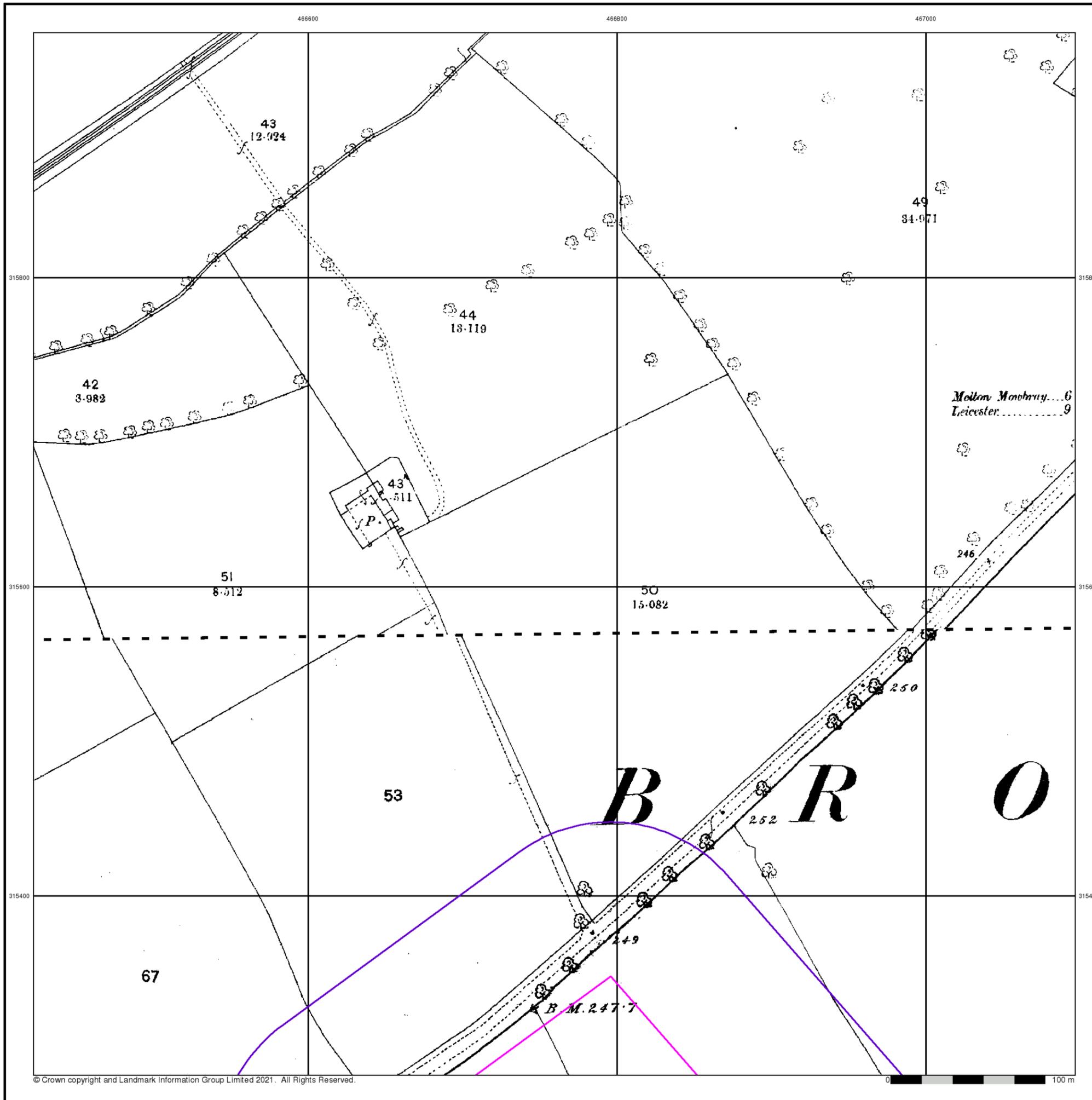


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National Grid Reference: 466800, 314980
Slice: A
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Search Buffer (m): 100

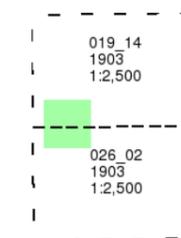
Site Details

Site at, Brooksby Grange Fm, Leicestershire

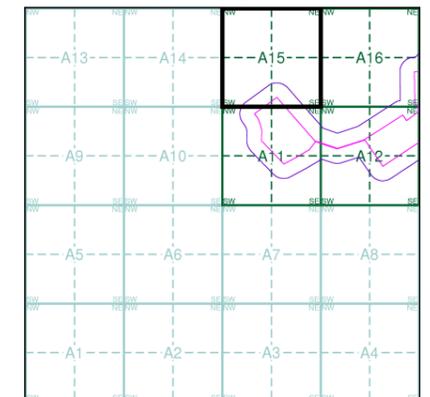


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Map Name(s) and Date(s)



Historical Map - Segment A15

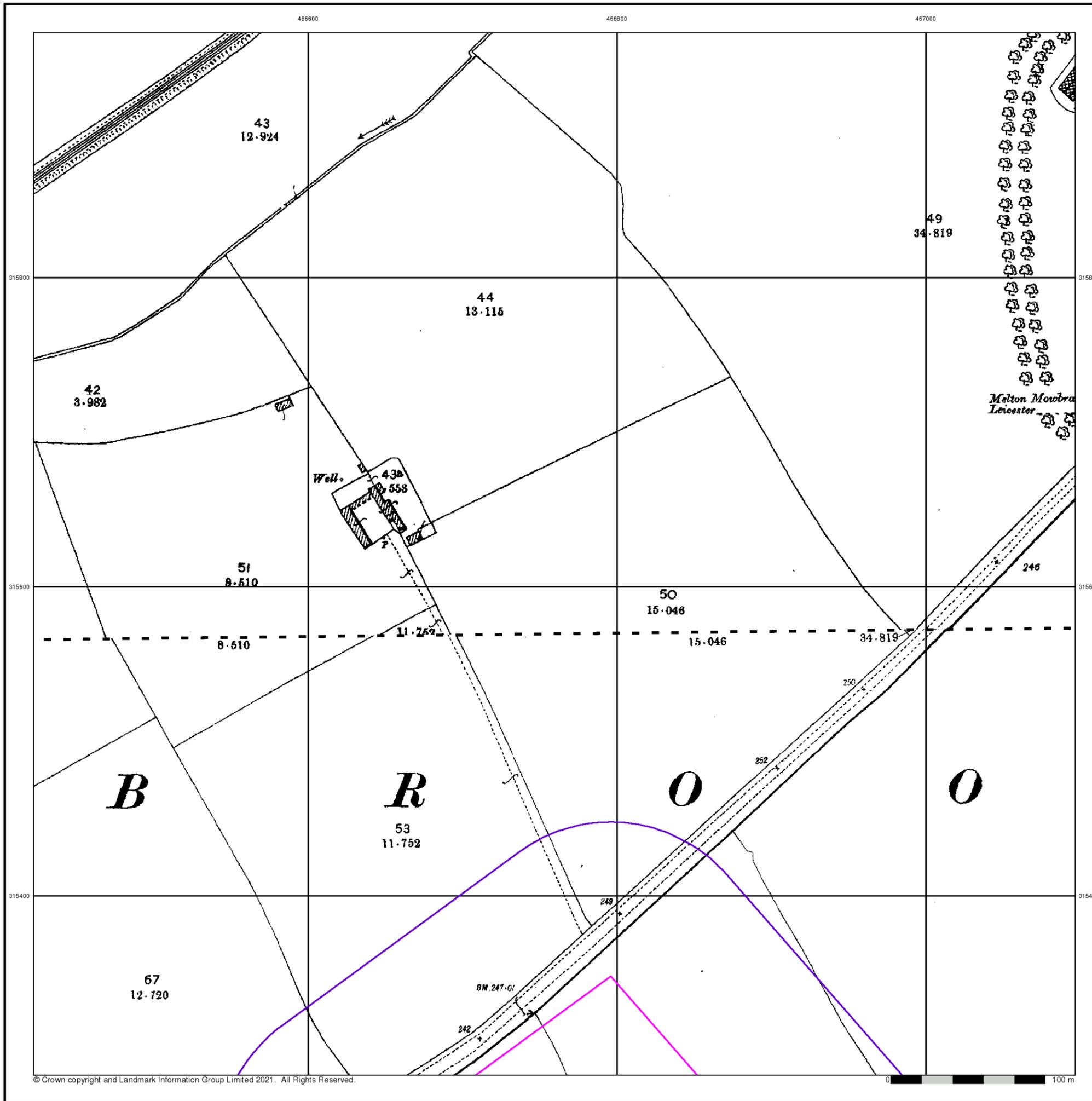


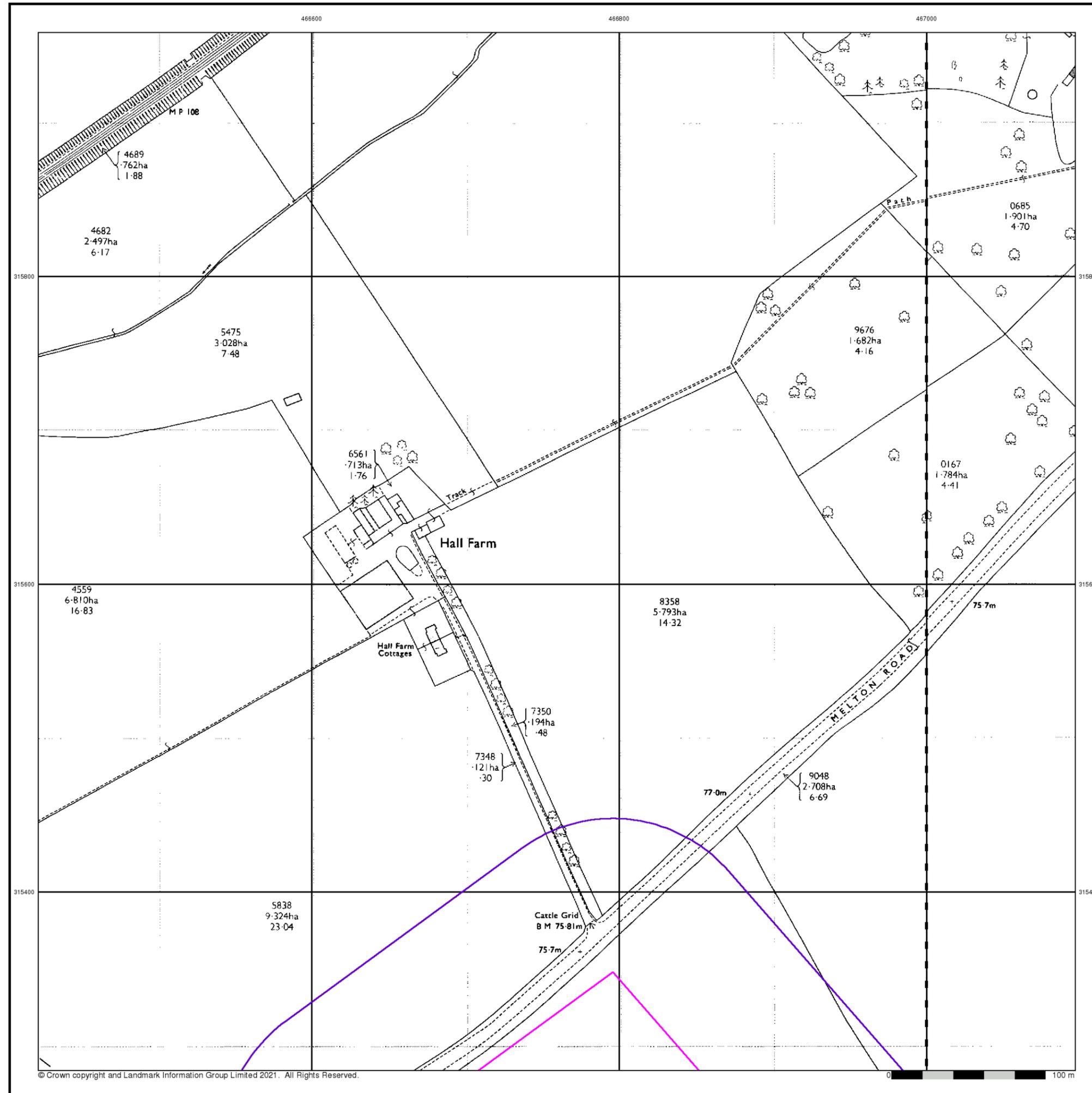
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 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 100

Site Details

Site at, Brooksby Grange Fm, Leicestershire





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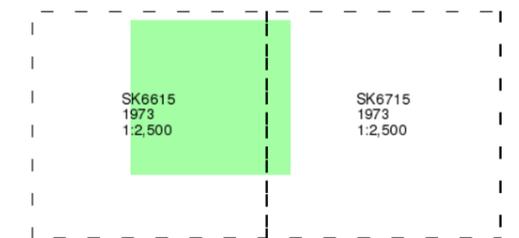
Ordnance Survey Plan

Published 1973

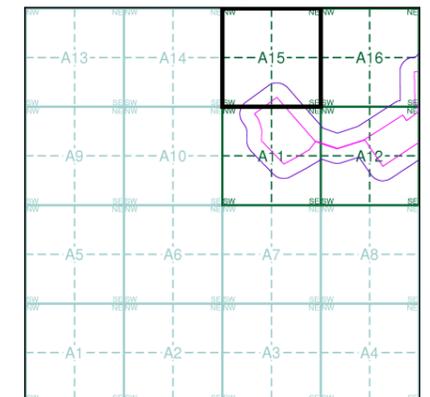
Source map scale - 1:2,500

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 A15



Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 100

Site Details

Site at, Brooksby Grange Fm, Leicestershire

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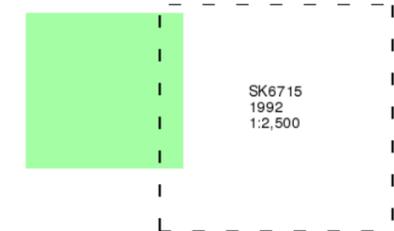
Additional SIMs

Published 1992

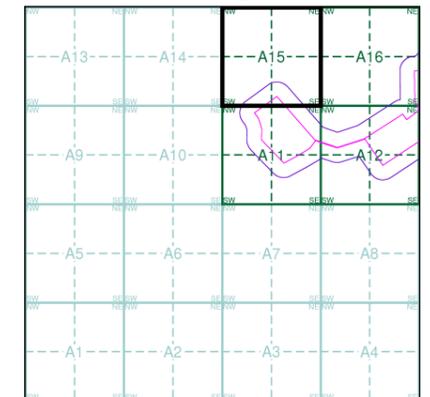
Source map scale - 1:2,500

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 A15



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Site Details

Site at, Brooksby Grange Fm, Leicestershire

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315800

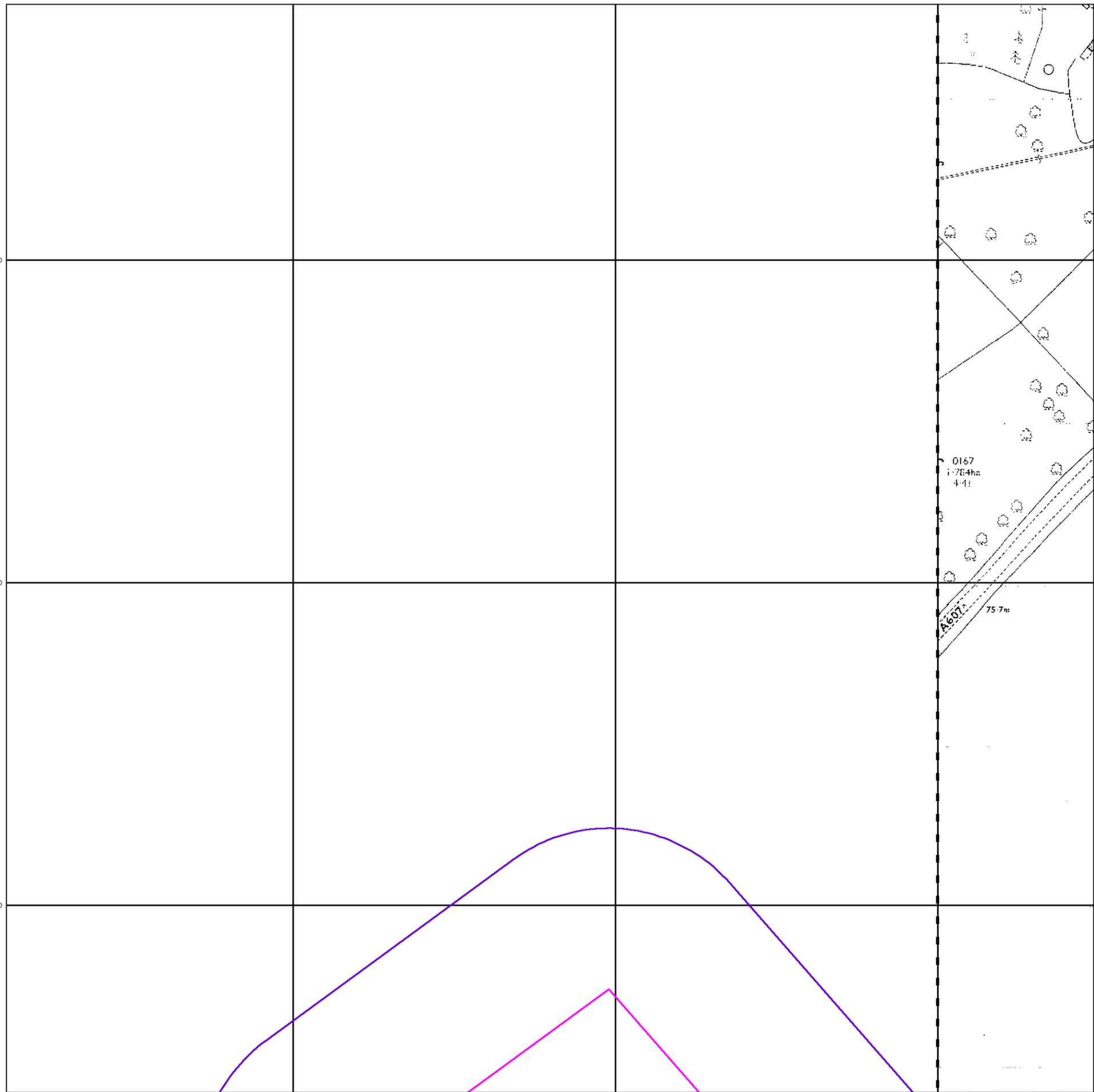
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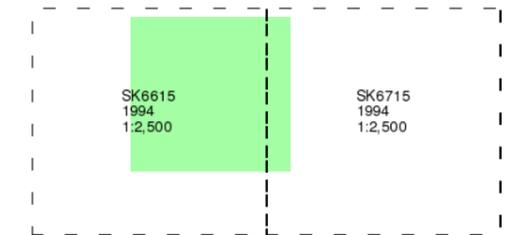
Large-Scale National Grid Data

Published 1994

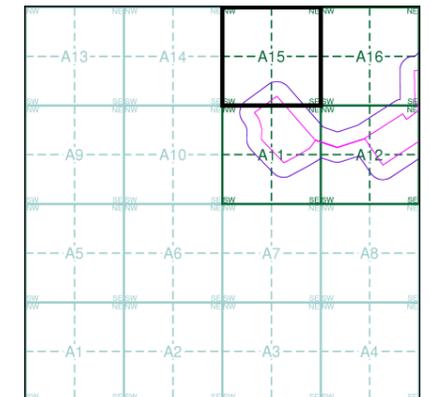
Source map scale - 1:2,500

'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 A15

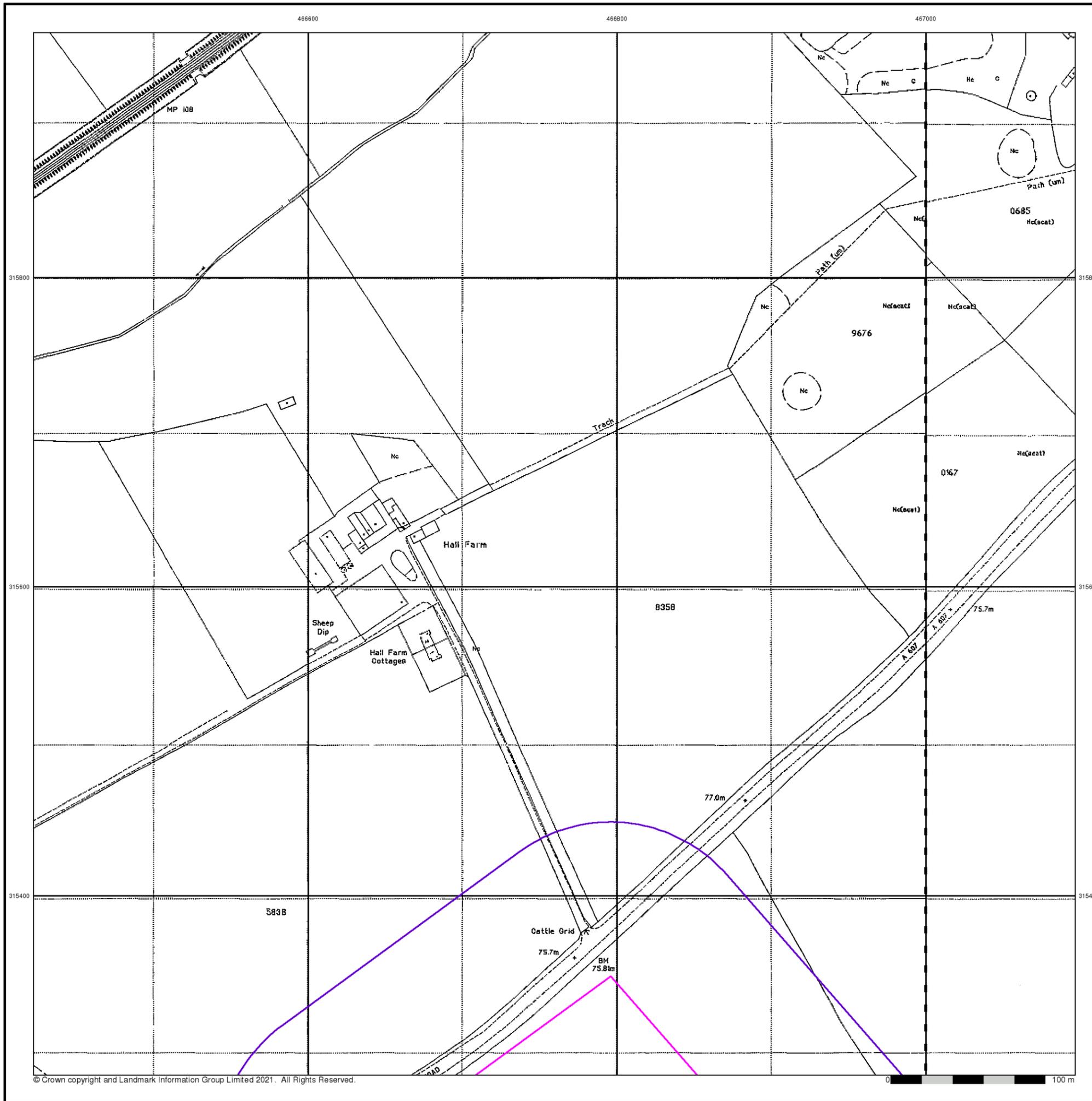


Order Details

Order Number: 282769965_1_1
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 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 100

Site Details

Site at, Brooksby Grange Fm, Leicestershire



Historical Mapping Legends

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

Quarry **Gravel Pit** **Sand Pit**
Clay Pit **Shingle** **Refuse Heap**
Sloping Masonry **Flat Rock**
Marsh **Reeds** **Osiers**
Rough Pasture **Furze** **Wood**
Mixed Wood **Brushwood** **Orchard**
Fir **Ford** **Stepping Stones**
Ferry **Waterfall** **Lock**
Trig. Station **Altitude at Trig. Station**
B.M. 325.9 **Bench Mark** **Surface Level**
Arrow denotes flow of water **Antiquities (site of)**
Cutting **Embankment**
Railway crossing Road **Level Crossing** **Road crossing Railway**
Railway crossing River or Canal **Road over single stream** **Road over River or Canal**
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
County Borough Boundary (England)
County Burgh Boundary (Scotland)
Co. Boro. Bdy.
Co. Burgh Bdy.
BP BS Boundary Post or Stone **P.C.B** Police Call Box
B.R. Bridle Road **P** Pump
E.P Electricity Pylon **S.P** Signal Post
F.B. Foot Bridge **SL** Sluice
F.P. Foot Path **Sp.** Spring
G.P Guide Post or Board **T.C.B** Telephone Call Box
M.S Mile Stone **Tr.** Trough
M.P M.R Mooring Post or Ring **W** Well

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

Inactive Quarry, Chalk Pit or Clay Pit **Active Quarry, Chalk Pit or Clay Pit**
Rock **Boulders**
Cliff **Slopes** **Top**
Roofed Building **Glazed Roof Building**
Sloping Masonry **Archway**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Bench Mark** **Antiquity (site of)**
Cave Entrance **Triangulation Station** **Electricity Pylon**
Electricity Transmission Line
County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
London Borough Boundary
Symbol marking point where boundary mereing changes
BH Beer House **P** Pillar, Pole or Post
BP, BS Boundary Post or Stone **PO** Post Office
Cn, C Capstan, Crane **PC** Public Convenience
Chy Chimney **PH** Public House
D Fn Drinking Fountain **Pp** Pump
EI P Electricity Pillar or Post **SB, S Br** Signal Box or Bridge
FAP Fire Alarm Pillar **SP, SL** Signal Post or Light
FB Foot Bridge **Spr** Spring
GP Guide Post **Tk** Tank or Track
H Hydrant or Hydraulic **TCB** Telephone Call Box
LC Level Crossing **TCP** Telephone Call Post
MH Manhole **Tr** Trough
MP Mile Post or Mooring Post **Wr Pt, Wr T** Water Point, Water Tap
MS Mile Stone **W** Well
NTL Normal Tidal Limit **Wd Pp** Wind Pump

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

Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Triangulation Station** **Antiquity (site of)**
Electricity Transmission Line **Electricity Pylon**
B.M. 231.60m Bench Mark **Buildings with Building Seed**
Roofed Building **Glazed Roof Building**
Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)
Bks Barracks **P** Pillar, Pole or Post
Bty Battery **PO** Post Office
Cemy Cemetery **PC** Public Convenience
Chy Chimney **Pp** Pump
Cis Cistern **Ppg Sta** Pumping Station
Dismtd Rly Dismantled Railway **PW** Place of Worship
EI Gen Sta Electricity Generating Station **Sewage Ppg Sta** Sewage Pumping Station
EI P Electricity Pole, Pillar **SB, S Br** Signal Box or Bridge
EI Sub Sta Electricity Sub Station **SP, SL** Signal Post or Light
FB Filter Bed **Spr** Spring
Fn / D Fn Fountain / Drinking Ftn. **Tk** Tank or Track
Gas Gov Gas Valve Compound **Tr** Trough
GVC Gas Governor **Wd Pp** Wind Pump
GP Guide Post **Wr Pt, Wr T** Water Point, Water Tap
MH Manhole **Wks** Works (building or area)
MP, MS Mile Post or Mile Stone **W** Well

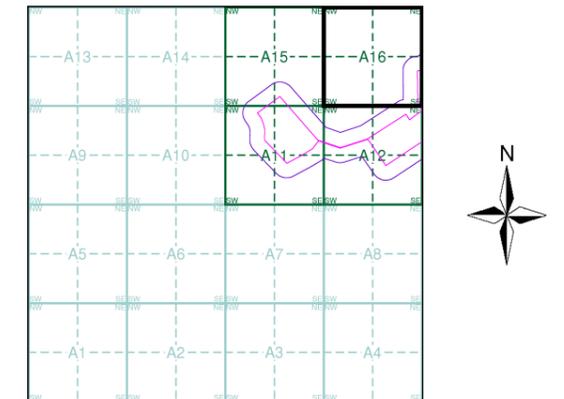
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Leicestershire	1:2,500	1884	2
Leicestershire	1:2,500	1903	3
Ordnance Survey Plan	1:2,500	1973	4
Additional SIMs	1:2,500	1992	5
Large-Scale National Grid Data	1:2,500	1994	6

Historical Map - Segment A16



Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 100

Site Details

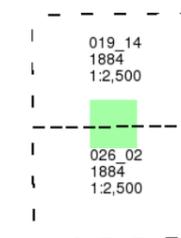
Site at, Brooksby Grange Fm, Leicestershire

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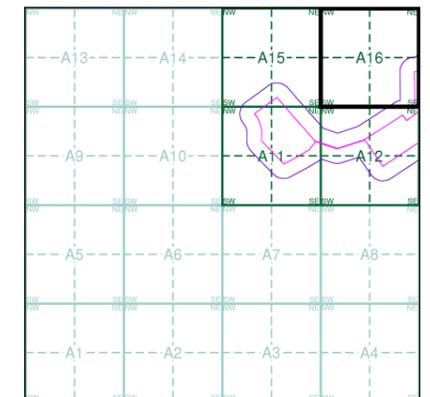
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

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 A16

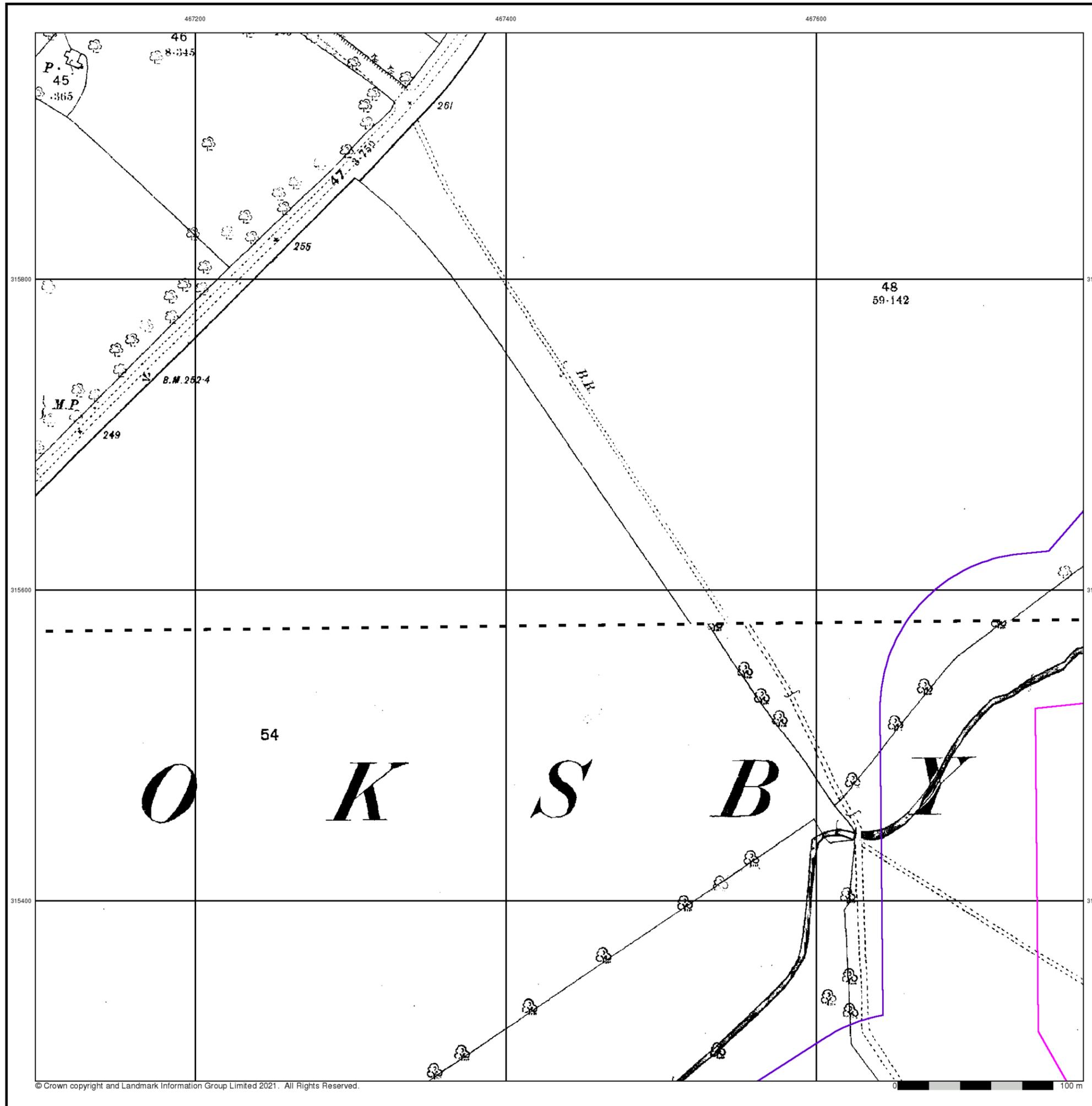


Order Details

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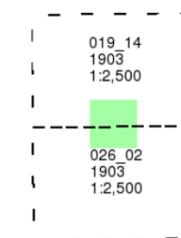
Site Details

Site at, Brooksby Grange Fm, Leicestershire

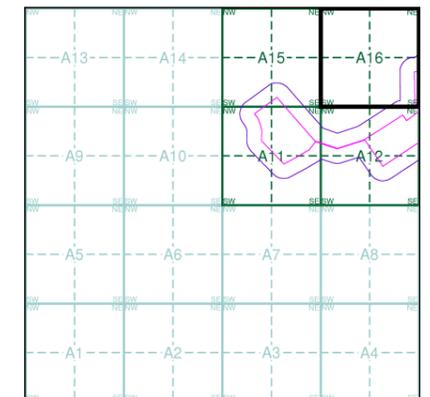


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Historical Map - Segment A16

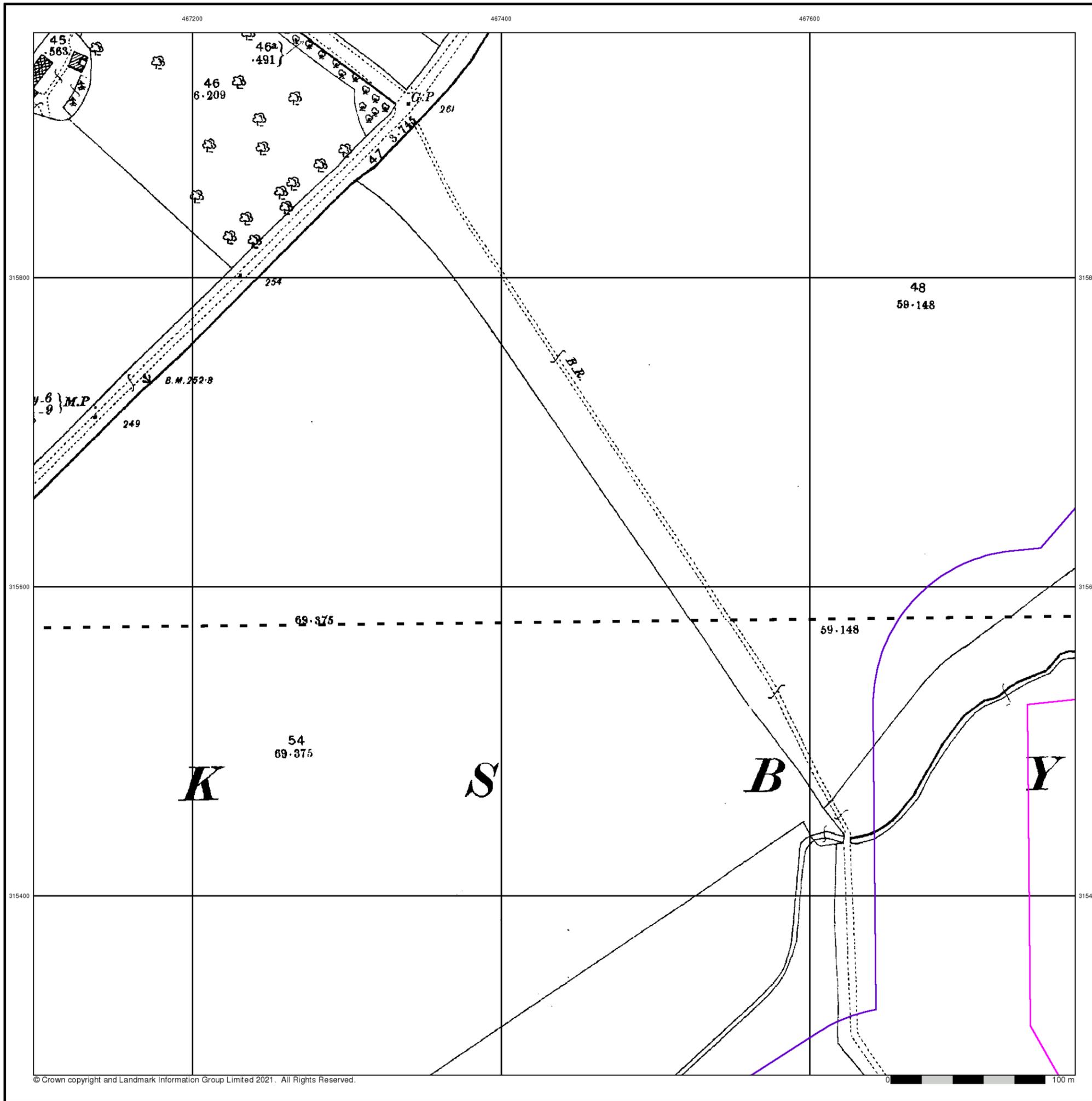


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Site Details

Site at, Brooksby Grange Fm, Leicestershire



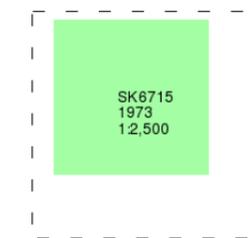
Ordnance Survey Plan

Published 1973

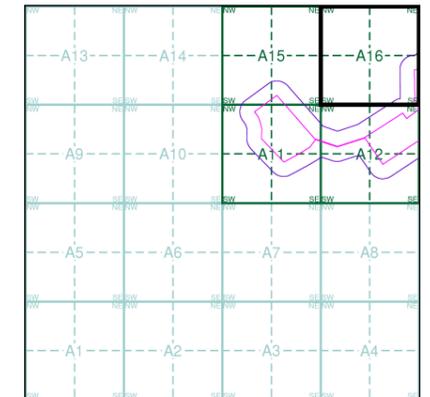
Source map scale - 1:2,500

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.

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Historical Map - Segment A16

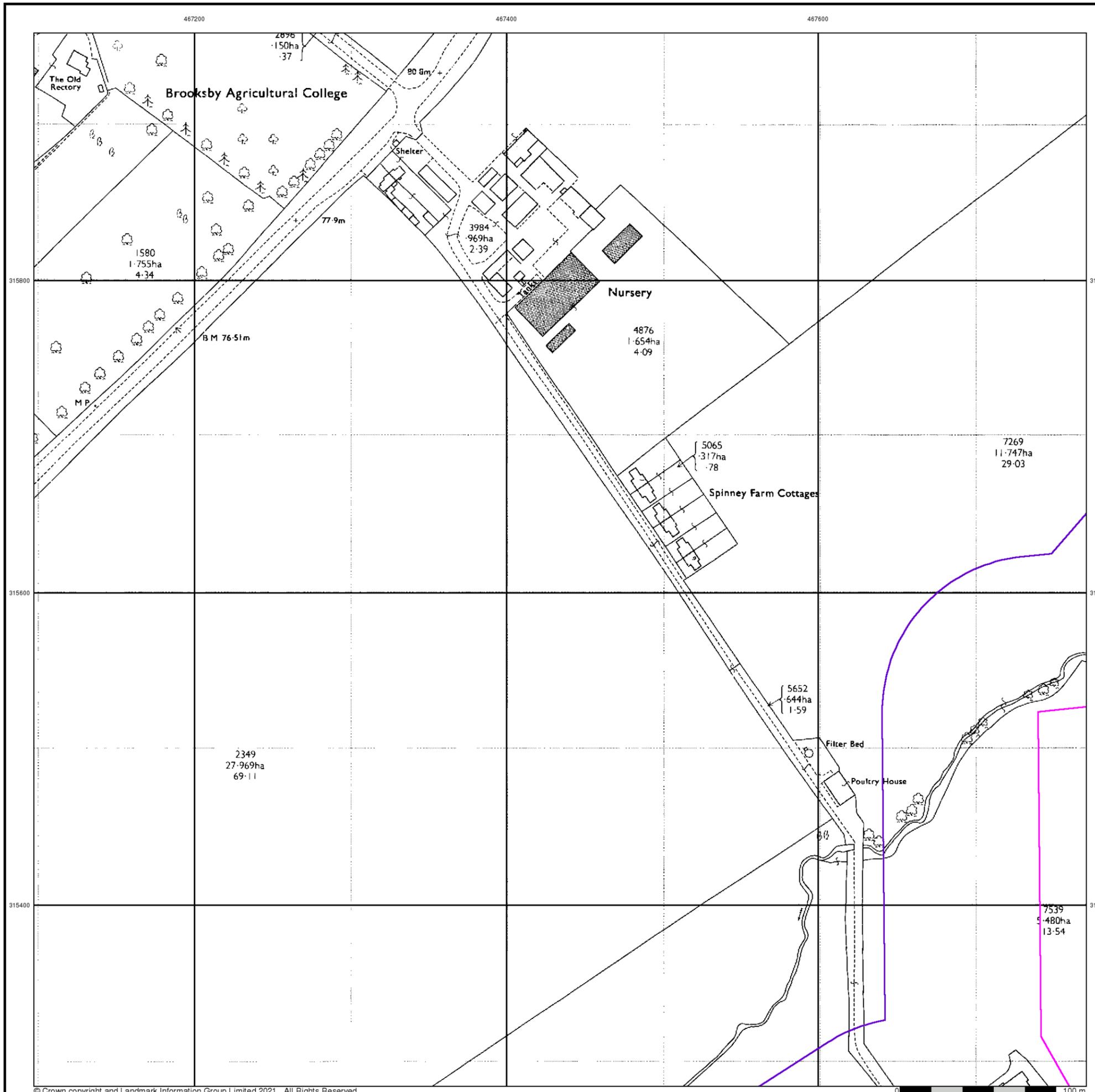


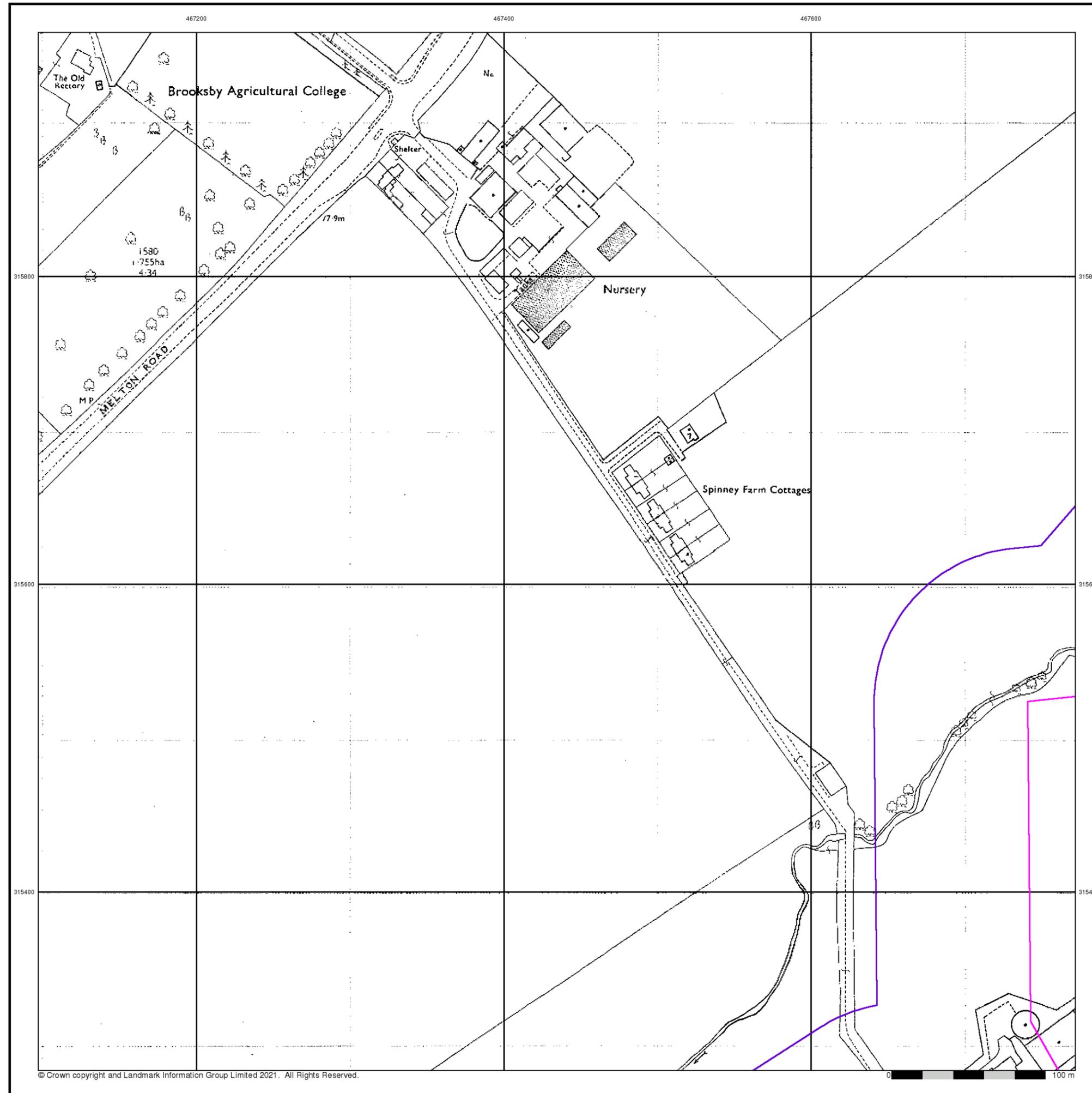
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Site Details

Site at, Brooksby Grange Fm, Leicestershire





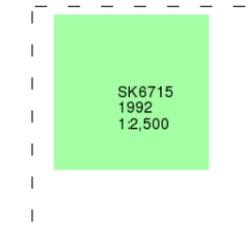
Additional SIMs

Published 1992

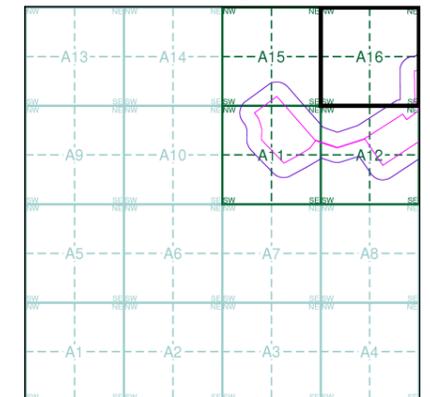
Source map scale - 1:2,500

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)



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Site Details

Site at, Brooksby Grange Fm, Leicestershire

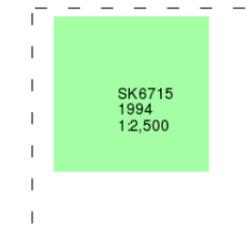
Large-Scale National Grid Data

Published 1994

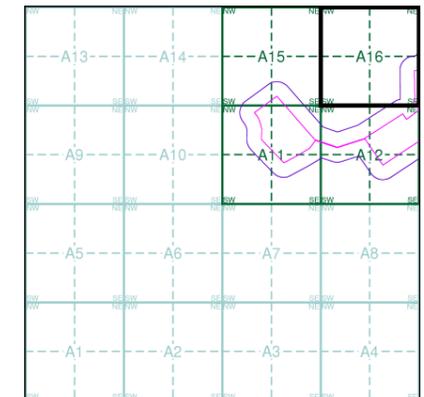
Source map scale - 1:2,500

'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 A16

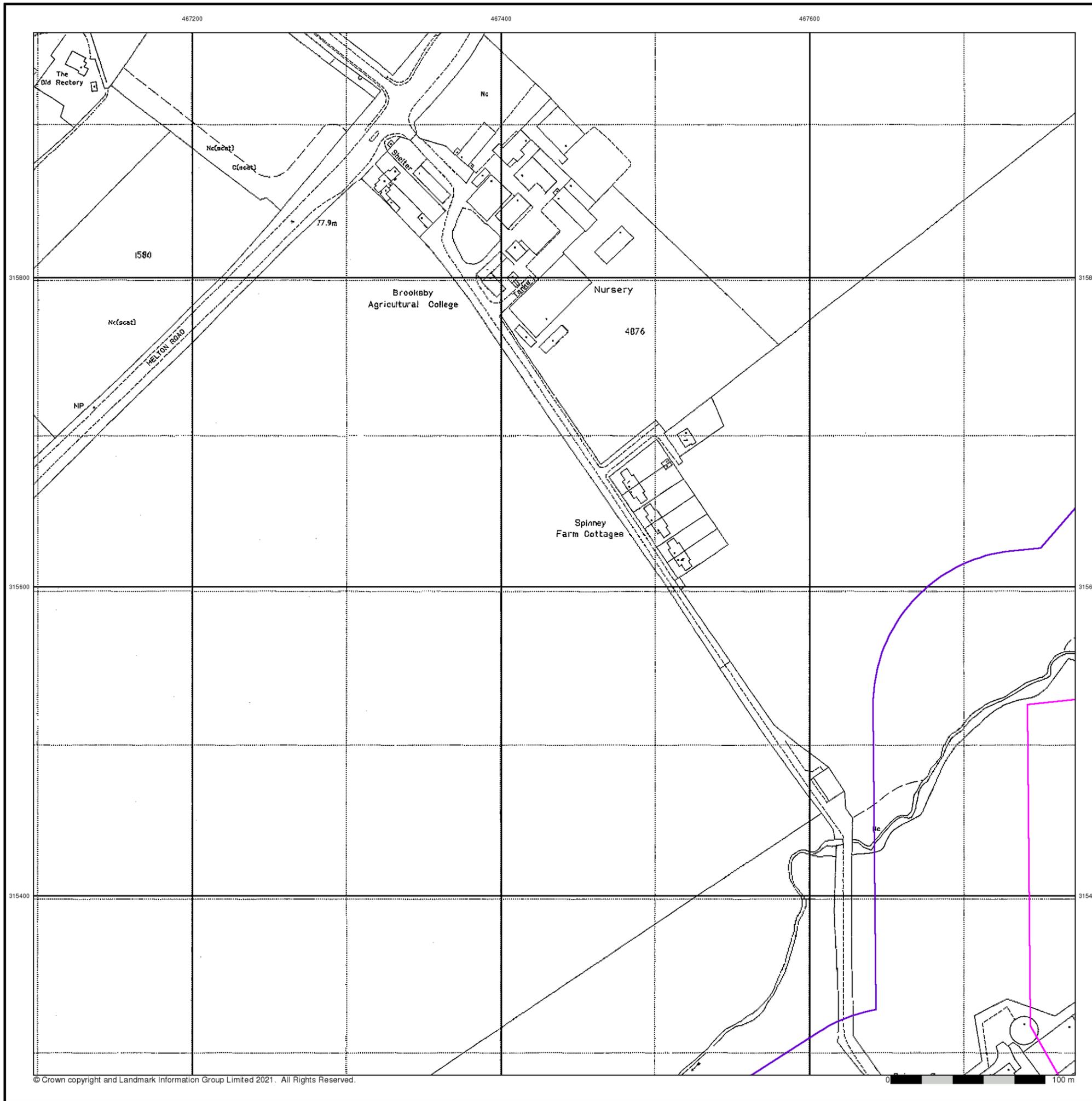


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Slice: A
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Site Details

Site at, Brooksby Grange Fm, Leicestershire



Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Coppice		Heath
	Rough Grassland		Marsh
	Reeds		Saltings
	Building		Glasshouse
	Sloping Masonry		Pylon
	Electricity Transmission Line		Pole
	Cutting		Embankment
	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 Shown only when not coincident with other boundaries		
	Civil Parish Shown alternately when coincidence of boundaries occurs		
	BP, BS Boundary Post or Stone		Pol Sta Police Station
	Ch Church		PO Post Office
	CH Club House		PC Public Convenience
	F E Sta Fire Engine Station		PH Public House
	FB Foot Bridge		SB Signal Box
	Fn Fountain		Spr Spring
	GP Guide Post		TCB Telephone Call Box
	MP Mile Post		TCP Telephone Call Post
	MS Mile Stone		W 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
	MHW(S) Mean high water (springs)		MLW(S) 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

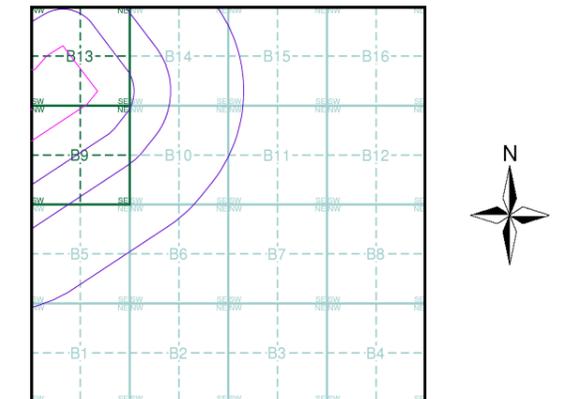
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Leicestershire	1:10,560	1884	2
Leicestershire	1:10,560	1904	3
Leicestershire	1:10,560	1952 - 1953	4
Ordnance Survey Plan	1:10,000	1959	5
Ordnance Survey Plan	1:10,000	1971 - 1979	6
Ordnance Survey Plan	1:10,000	1984	7
Ordnance Survey Plan	1:10,000	1993	8
10K Raster Mapping	1:10,000	2000	9
Street View	Variable		10

Historical Map - Slice B



Order Details

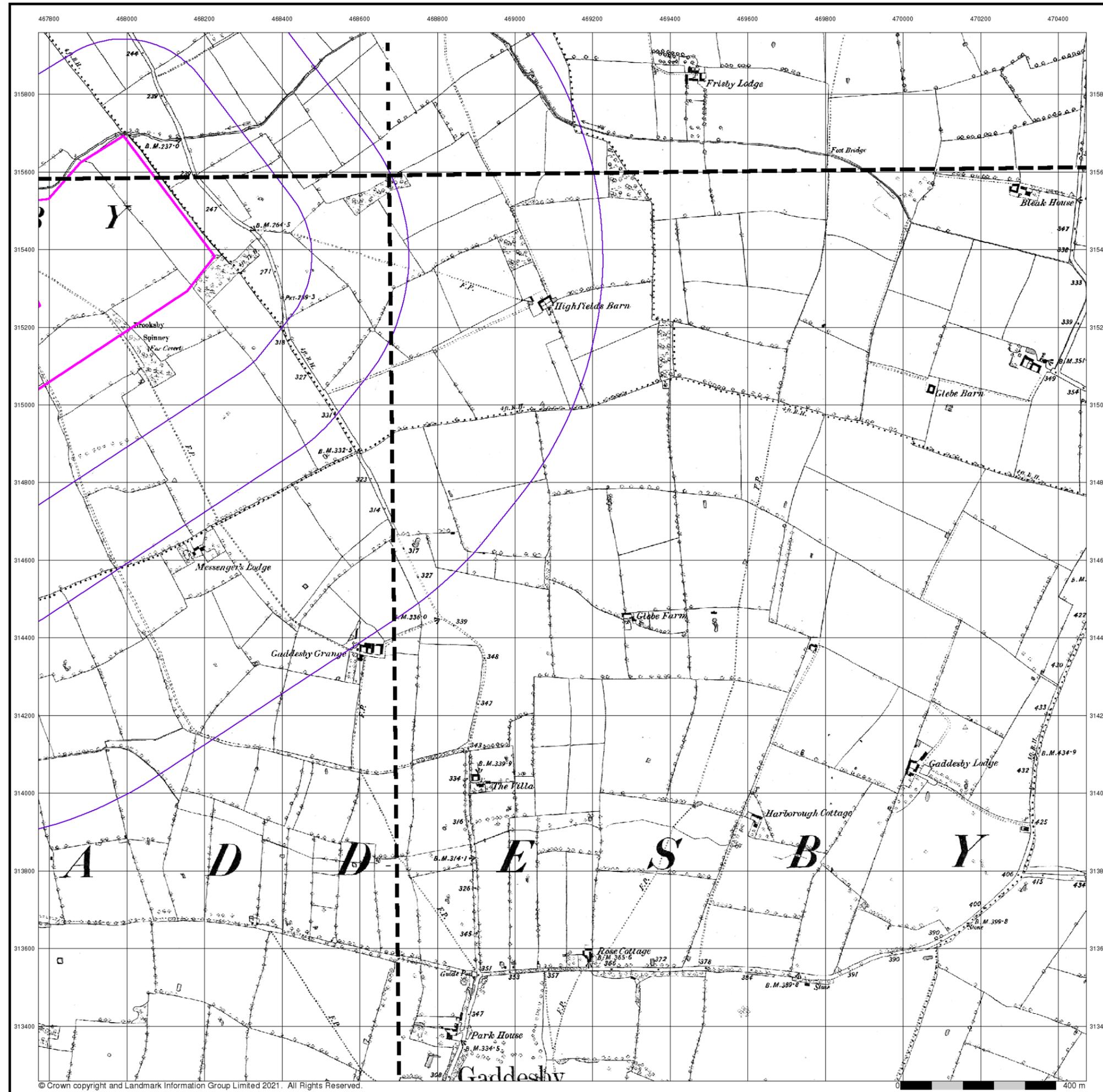
Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire

Landmark
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Leicestershire

Published 1884

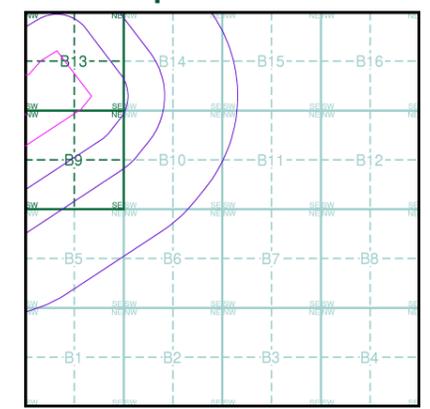
Source map scale - 1:10,560

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)

019SW 1884 1:10,560	019SE 1884 1:10,560
026NW 1884 1:10,560	026NE 1884 1:10,560

Historical Map - Slice B

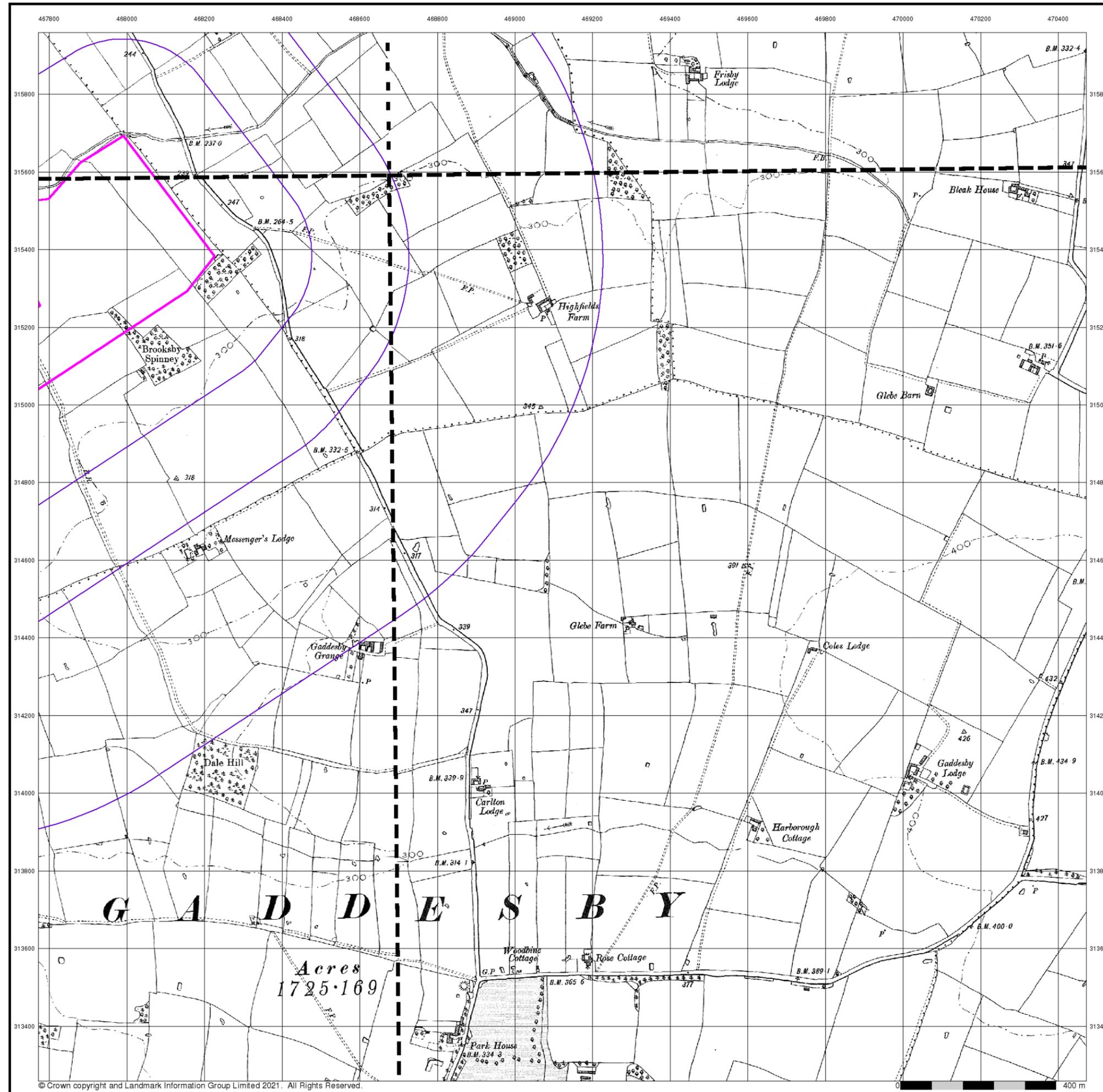


Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire



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Leicestershire

Published 1904

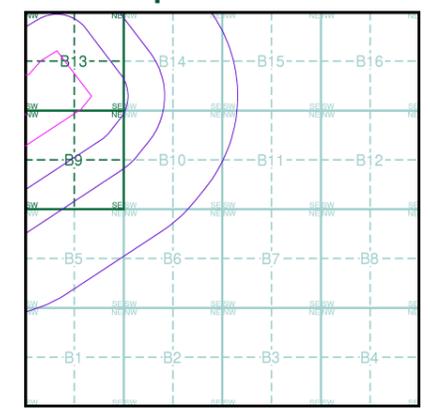
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

019SW 1904 1:10,560	019SE 1904 1:10,560
026NW 1904 1:10,560	026NE 1904 1:10,560

Historical Map - Slice B



Order Details

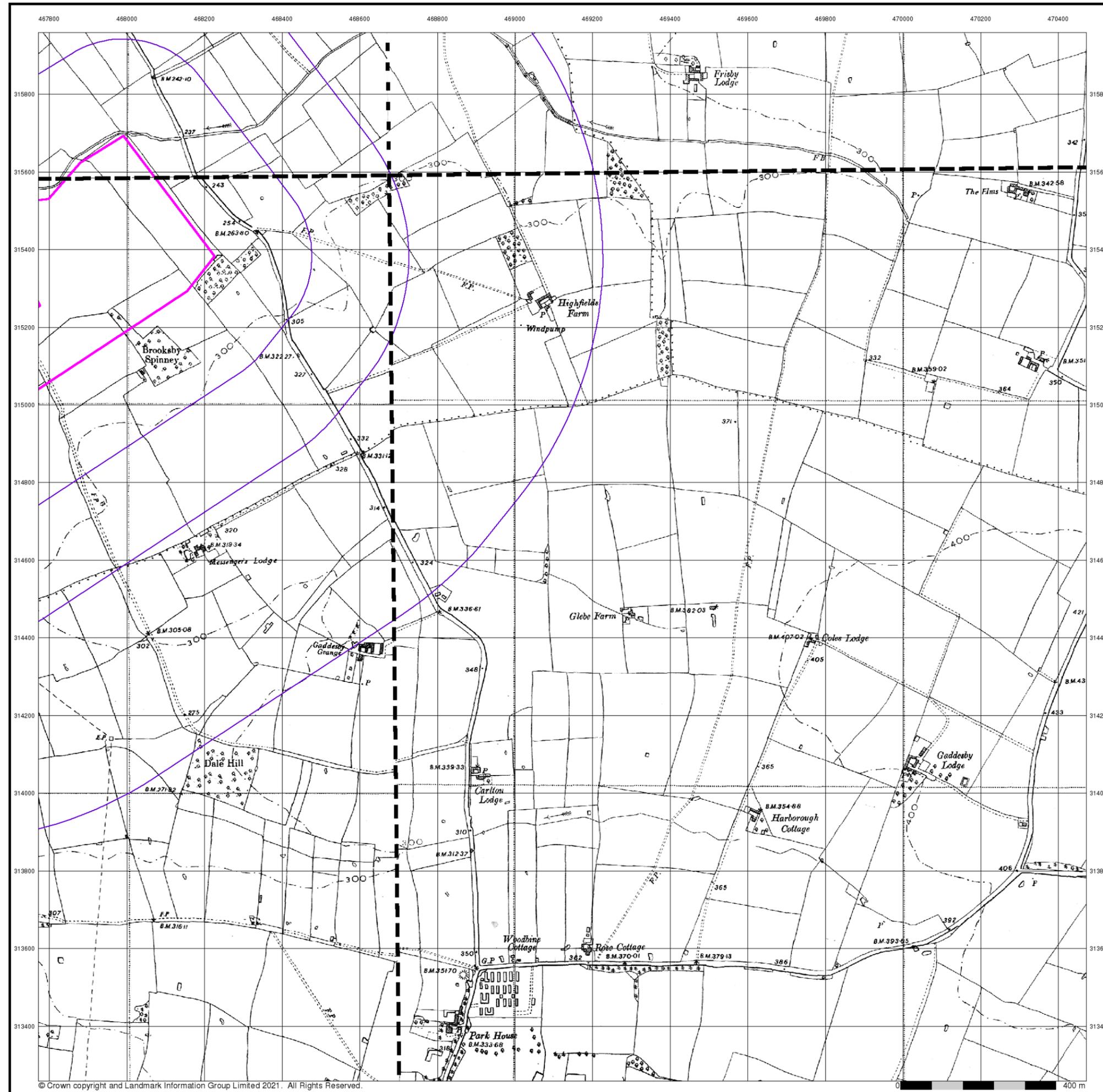
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 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksbury Grange Fm, Leicestershire

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Leicestershire

Published 1952 - 1953

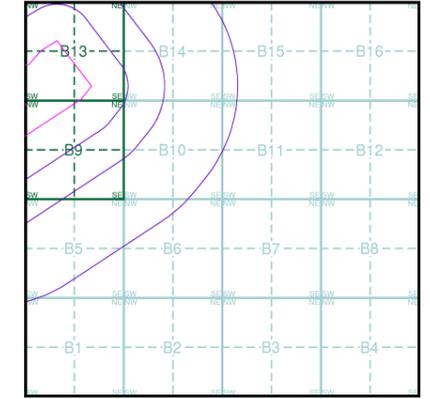
Source map scale - 1:10,560

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)

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026NW 1952 1:10,560	026NE 1952 1:10,560

Historical Map - Slice B



Order Details

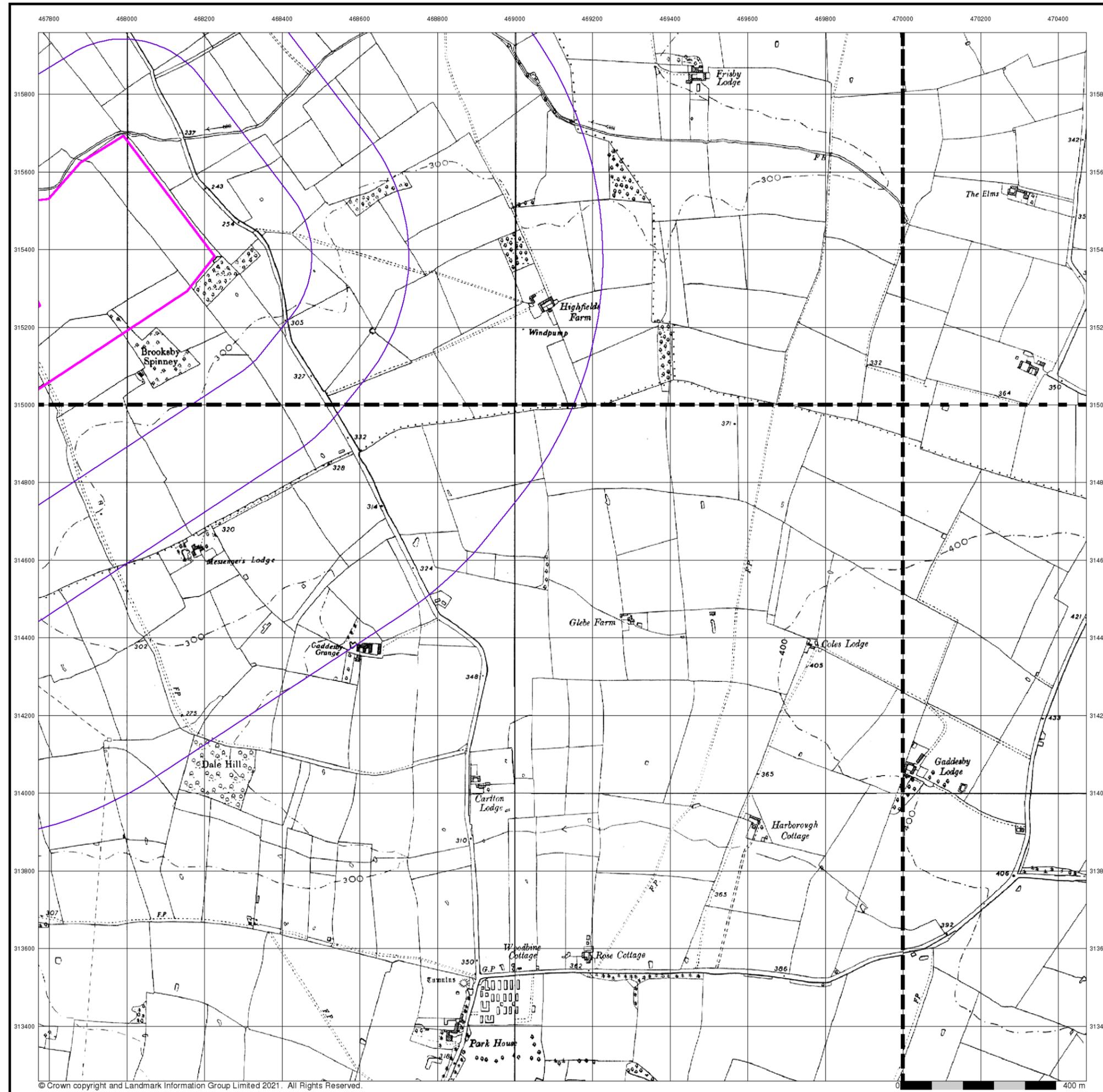
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 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brookshy Grange Fm, Leicestershire

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Ordnance Survey Plan

Published 1959

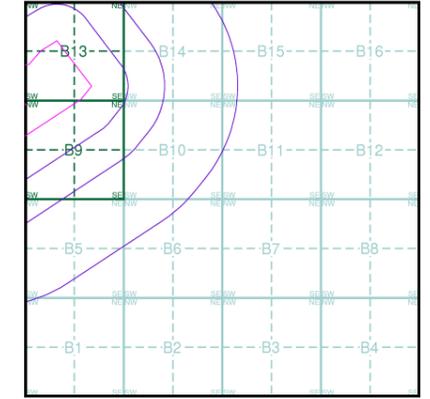
Source map scale - 1:10,000

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)

SK61NE	SK71NW
1959	1959
1:10,560	1:10,560
SK61SE	SK71SW
1959	1959
1:10,560	1:10,560

Historical Map - Slice B



Order Details

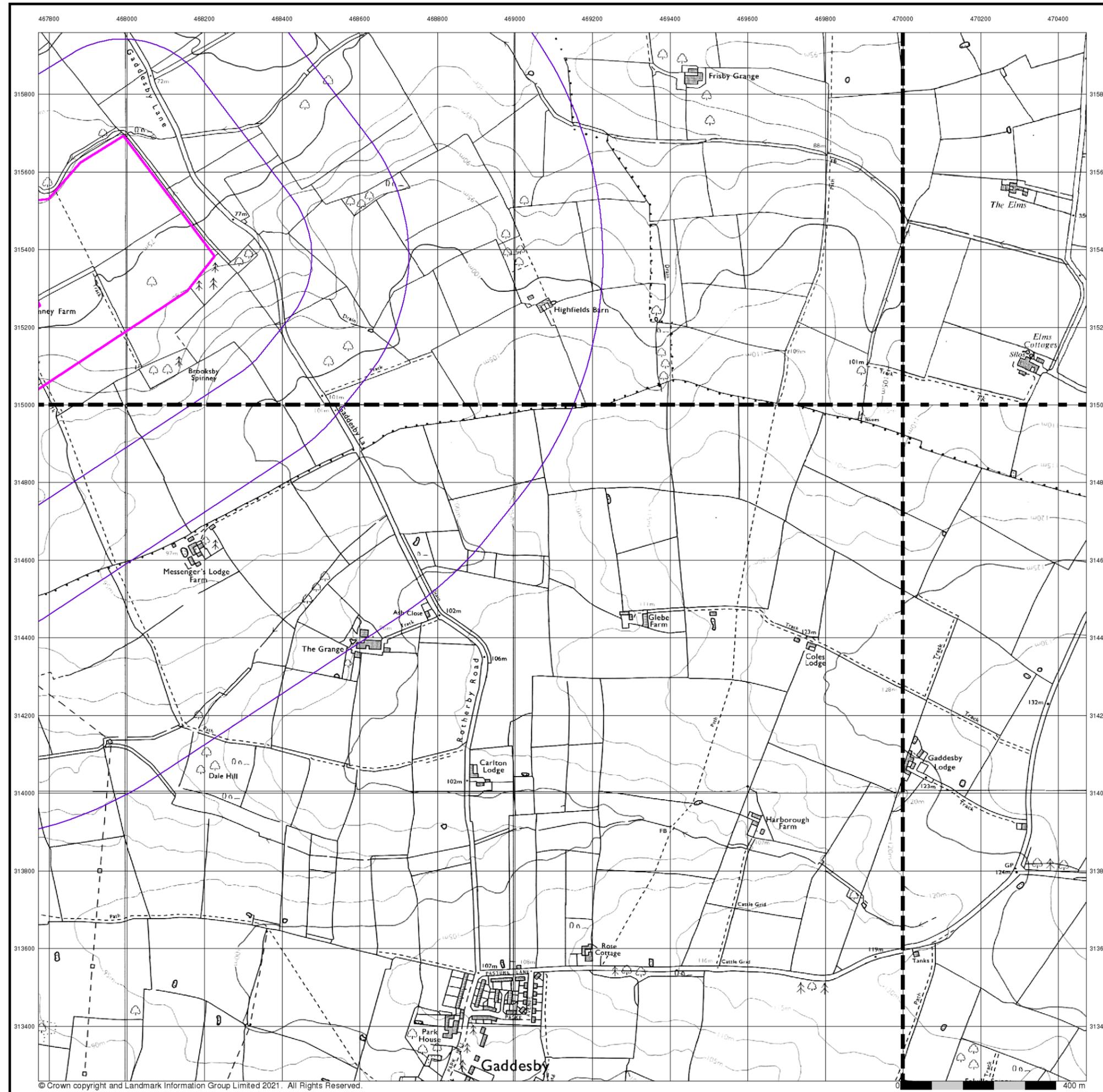
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 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksbury Grange Fm, Leicestershire

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Ordnance Survey Plan

Published 1971 - 1979

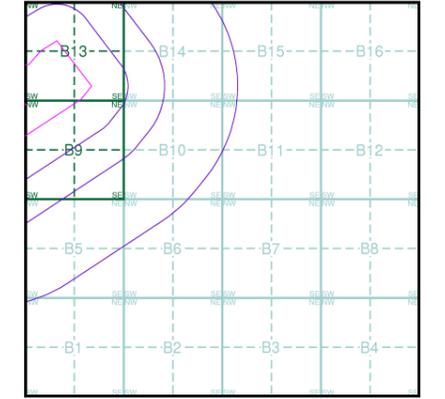
Source map scale - 1:10,000

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)

SK61NE	SK71NW
1977	1971
1:10,000	1:10,560
SK61SE	SK71SW
1978	1979
1:10,000	1:10,000

Historical Map - Slice B

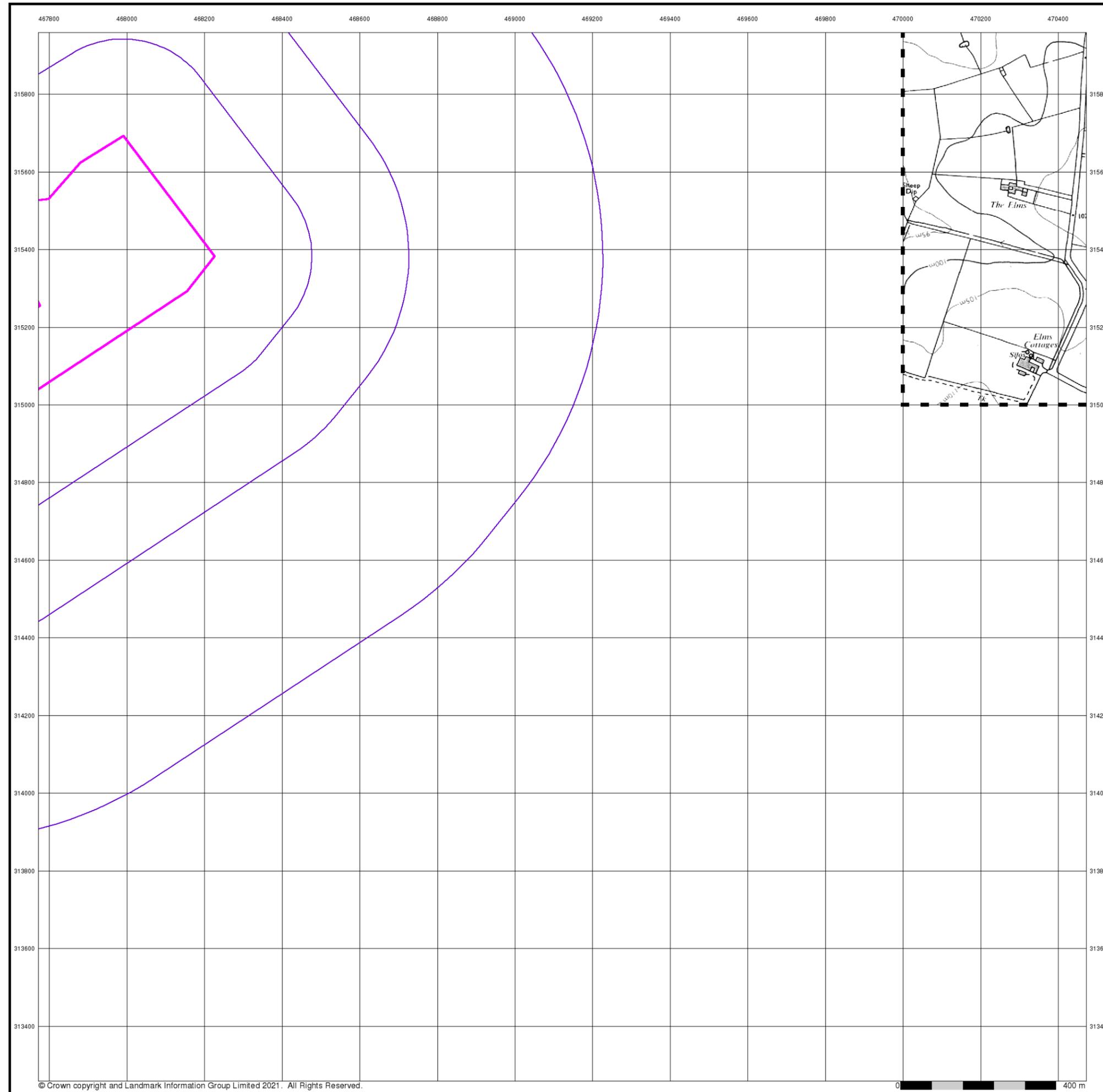


Order Details

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 Customer Ref: TAR/BRO/AKM/5654/01
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 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire



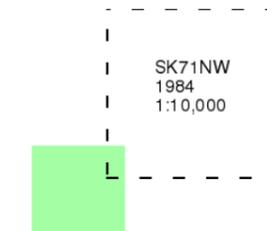
Ordnance Survey Plan

Published 1984

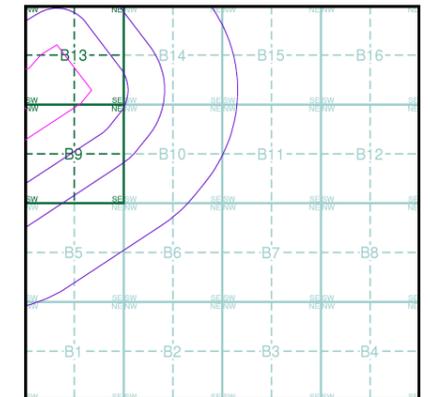
Source map scale - 1:10,000

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 B

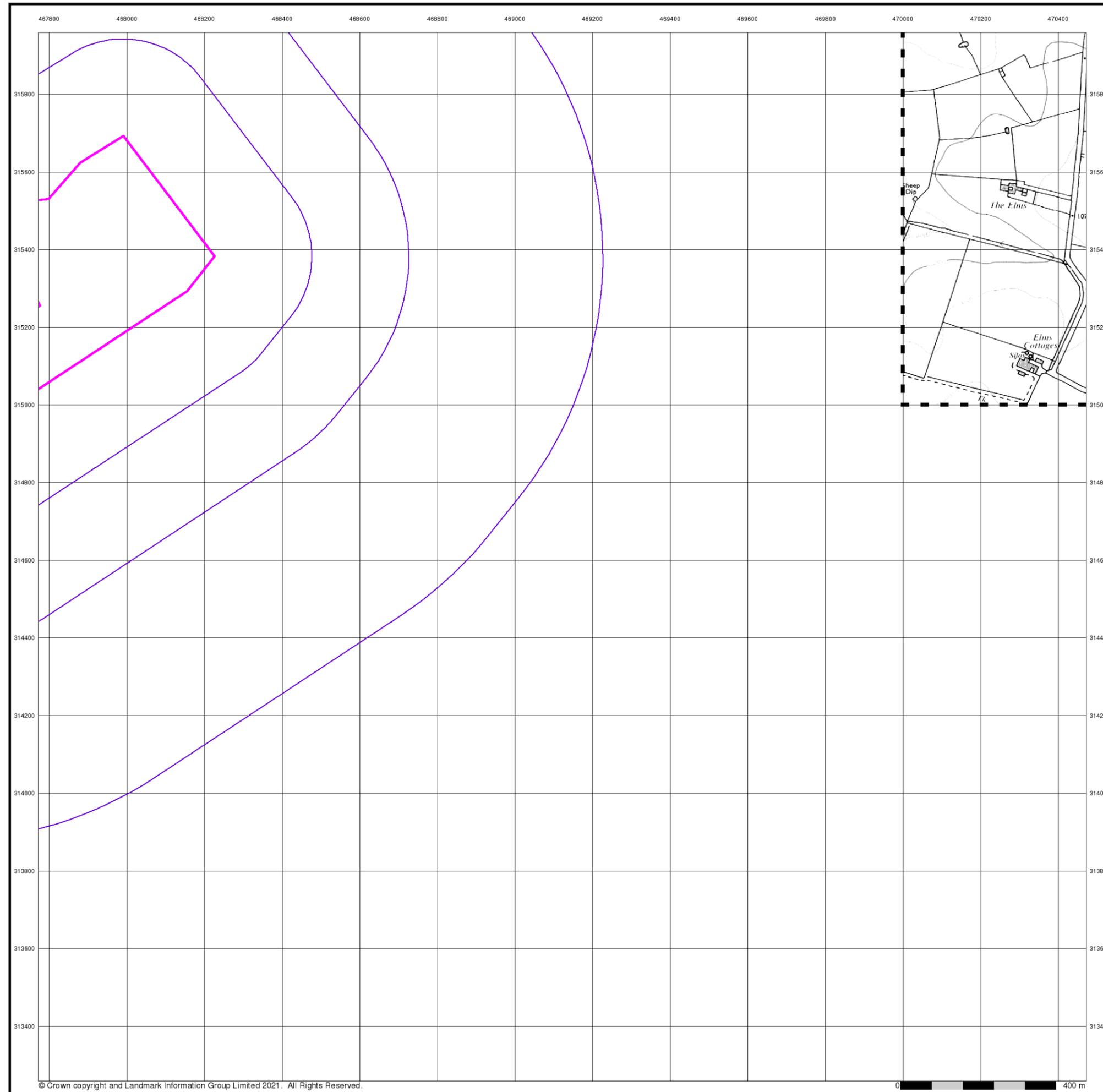


Order Details

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 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire



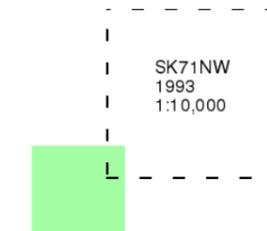
Ordnance Survey Plan

Published 1993

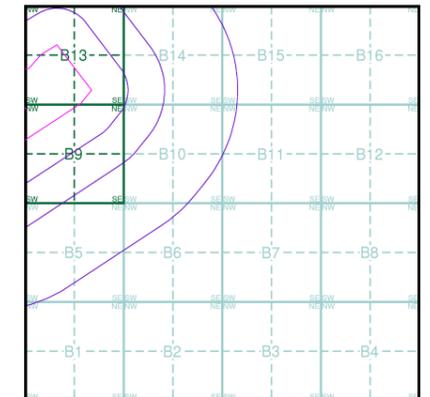
Source map scale - 1:10,000

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 B

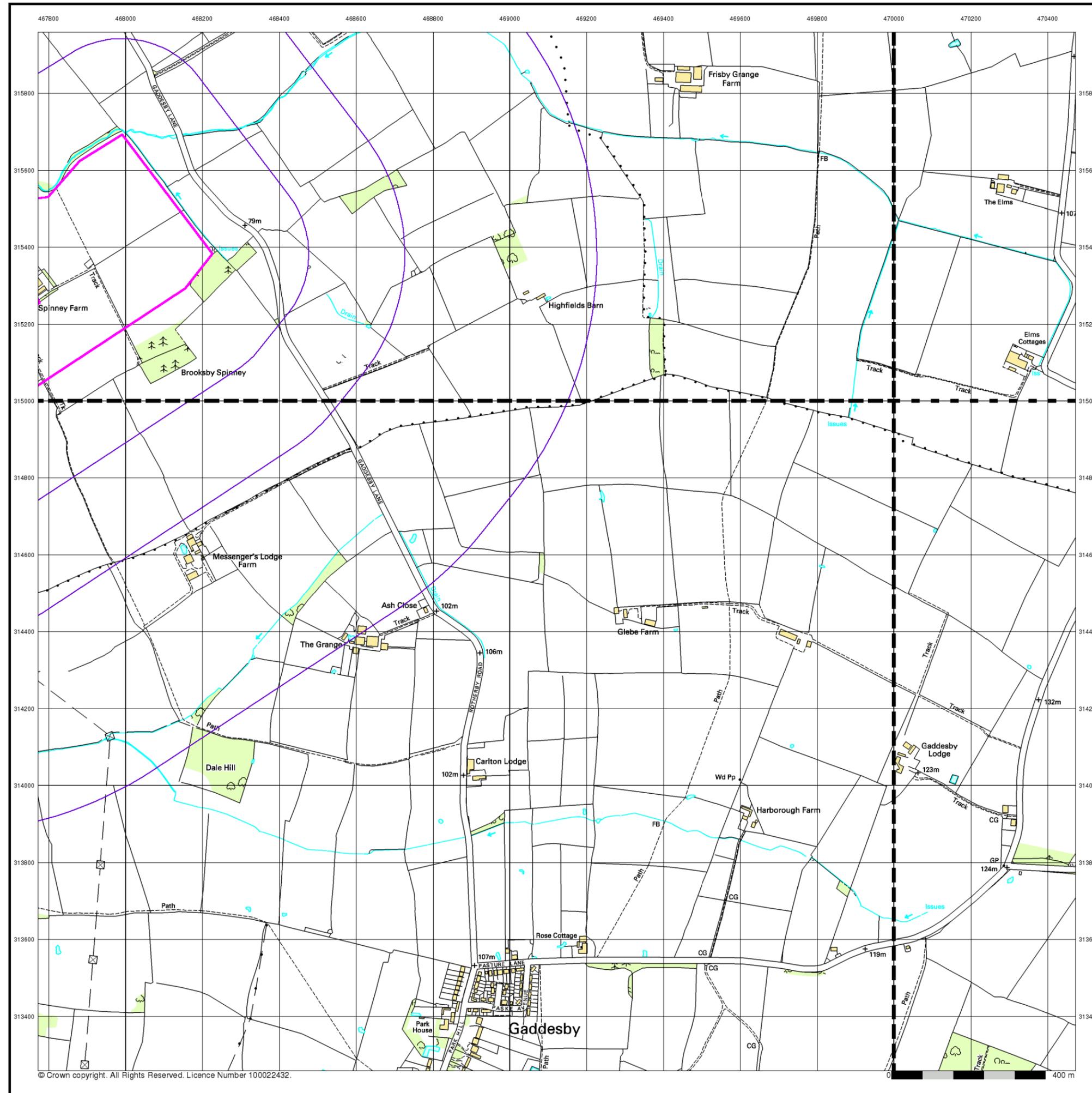


Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire



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10k Raster Mapping

Published 2000

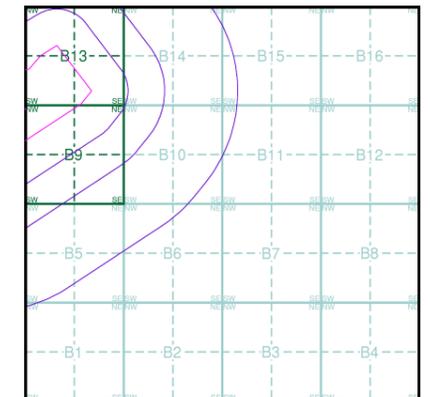
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SK61NE	SK71NW
2000	2000
1:10,000	1:10,000
SK61SE	SK71SW
2000	2000
1:10,000	1:10,000

Historical Map - Slice B



Order Details

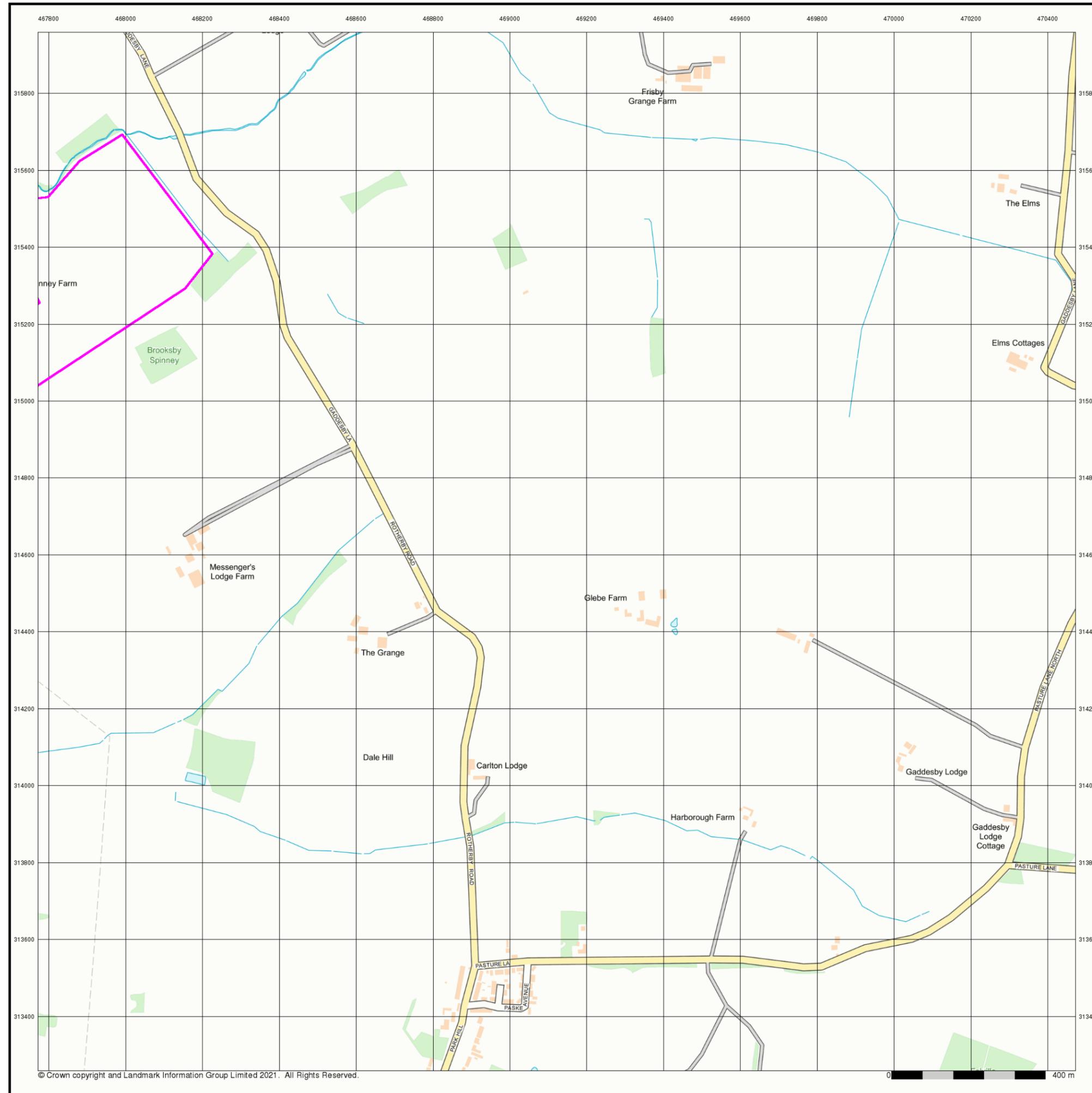
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 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire

Landmark
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Street View

Published 2021

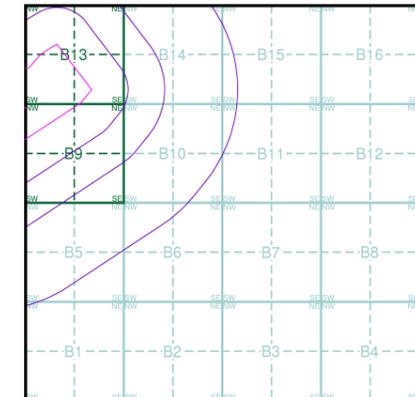
Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)



Street View Map - Slice B



Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire

Historical Mapping Legends

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

Quarry **Gravel Pit** **Sand Pit**
Clay Pit **Shingle** **Refuse Heap**
Sloping Masonry **Flat Rock**
Marsh **Reeds** **Osiers**
Rough Pasture **Furze** **Wood**
Mixed Wood **Brushwood** **Orchard**
Fir **Ford** **Stepping Stones**
Ferry **Waterfall** **Lock**
Trig. Station **Altitude at Trig. Station**
B.M. 325.9 **Bench Mark** **Surface Level**
Arrow denotes flow of water **Antiquities (site of)**
Cutting **Embankment**
Railway crossing Road **Level Crossing** **Road crossing Railway**
Railway crossing River or Canal **Road over single stream** **Road over River or Canal**
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
County Borough Boundary (England)
Co. Boro. Bdy.
County Burgh Boundary (Scotland)
Boundary Post or Stone **Police Call Box**
B.R. **Bridle Road** **P** **Pump**
E.P. **Electricity Pylon** **S.P.** **Signal Post**
F.B. **Foot Bridge** **Sl.** **Sluice**
F.P. **Foot Path** **Sp.** **Spring**
G.P. **Guide Post or Board** **T.C.B.** **Telephone Call Box**
M.S. **Mile Stone** **Tr.** **Trough**
M.P. M.R. **Mooring Post or Ring** **W** **Well**

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

Inactive Quarry, Chalk Pit or Clay Pit **Active Quarry, Chalk Pit or Clay Pit**
Rock **Boulders**
Cliff **Slopes** **Top**
Roofed Building **Glazed Roof Building**
Sloping Masonry **Archway**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Bench Mark** **Antiquity (site of)**
Cave Entrance **Triangulation Station** **Electricity Pylon**
Electricity Transmission Line
County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
London Borough Boundary
Symbol marking point where boundary mereing changes
BH **Beer House** **P** **Pillar, Pole or Post**
BP, BS **Boundary Post or Stone** **PO** **Post Office**
Cn, C **Capstan, Crane** **PC** **Public Convenience**
Chy **Chimney** **PH** **Public House**
D Fn **Drinking Fountain** **Pp** **Pump**
EI P **Electricity Pillar or Post** **SB, S Br** **Signal Box or Bridge**
FAP **Fire Alarm Pillar** **SP, SL** **Signal Post or Light**
FB **Foot Bridge** **Spr** **Spring**
GP **Guide Post** **Tk** **Tank or Track**
H **Hydrant or Hydraulic** **TCB** **Telephone Call Box**
LC **Level Crossing** **TCP** **Telephone Call Post**
MH **Manhole** **Tr** **Trough**
MP **Mile Post or Mooring Post** **Wr Pt, Wr T** **Water Point, Water Tap**
MS **Mile Stone** **W** **Well**
NTL **Normal Tidal Limit** **Wd Pp** **Wind Pump**

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

Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Triangulation Station** **Antiquity (site of)**
Electricity Transmission Line **Electricity Pylon**
B.M. 231.60m **Bench Mark** **Buildings with Building Seed**
Roofed Building **Glazed Roof Building**
Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)
Bks **Barracks** **P** **Pillar, Pole or Post**
Bty **Battery** **PO** **Post Office**
Cemy **Cemetery** **PC** **Public Convenience**
Chy **Chimney** **Pp** **Pump**
Cis **Cistern** **Ppg Sta** **Pumping Station**
Dismtd Rly **Dismantled Railway** **PW** **Place of Worship**
EI Gen Sta **Electricity Generating Station** **Sewage Ppg Sta** **Sewage Pumping Station**
EI P **Electricity Pole, Pillar** **SB, S Br** **Signal Box or Bridge**
EI Sub Sta **Electricity Sub Station** **SP, SL** **Signal Post or Light**
FB **Filter Bed** **Spr** **Spring**
Fn / D Fn **Fountain / Drinking Ftn.** **Tk** **Tank or Track**
Gas Gov **Gas Valve Compound** **Tr** **Trough**
GVC **Gas Governor** **Wd Pp** **Wind Pump**
GP **Guide Post** **Wr Pt, Wr T** **Water Point, Water Tap**
MH **Manhole** **Wks** **Works (building or area)**
MP, MS **Mile Post or Mile Stone** **W** **Well**

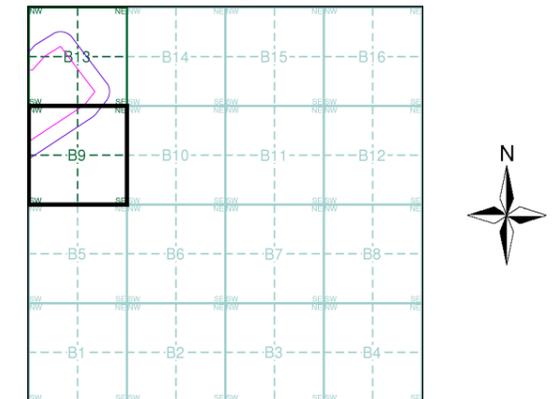
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Leicestershire	1:2,500	1884	2
Leicestershire	1:2,500	1903	3
Ordnance Survey Plan	1:2,500	1973	4
Additional SIMs	1:2,500	1992	5
Large-Scale National Grid Data	1:2,500	1994	6

Historical Map - Segment B9



Order Details

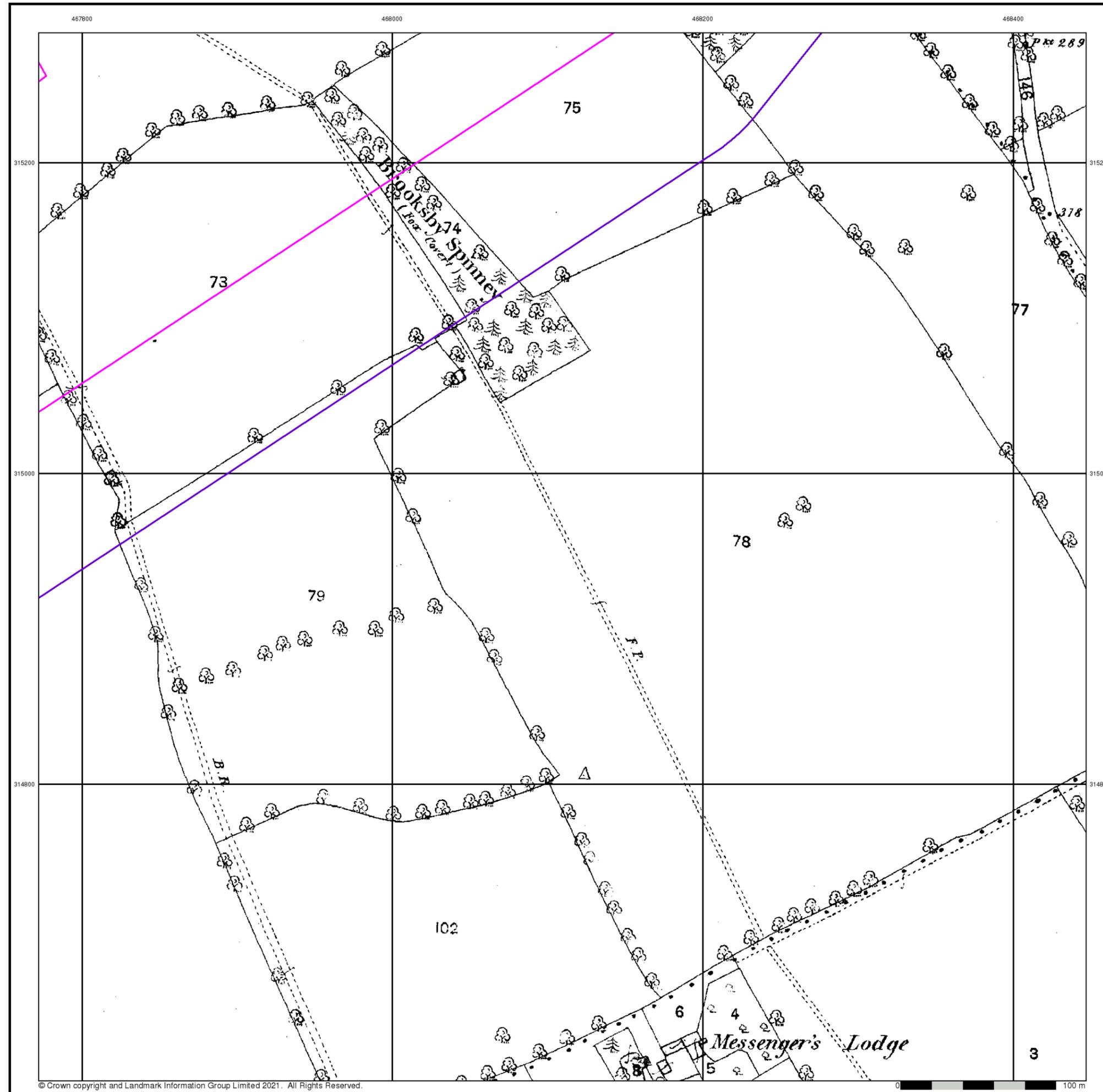
Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 100

Site Details

Site at, Brooksby Grange Fm, Leicestershire

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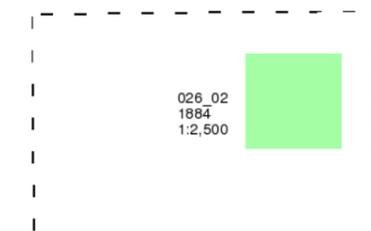
Leicestershire

Published 1884

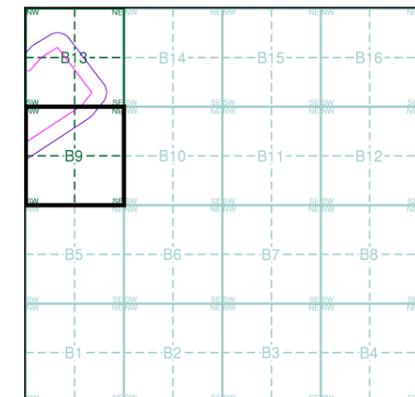
Source map scale - 1:2,500

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 B9



Order Details

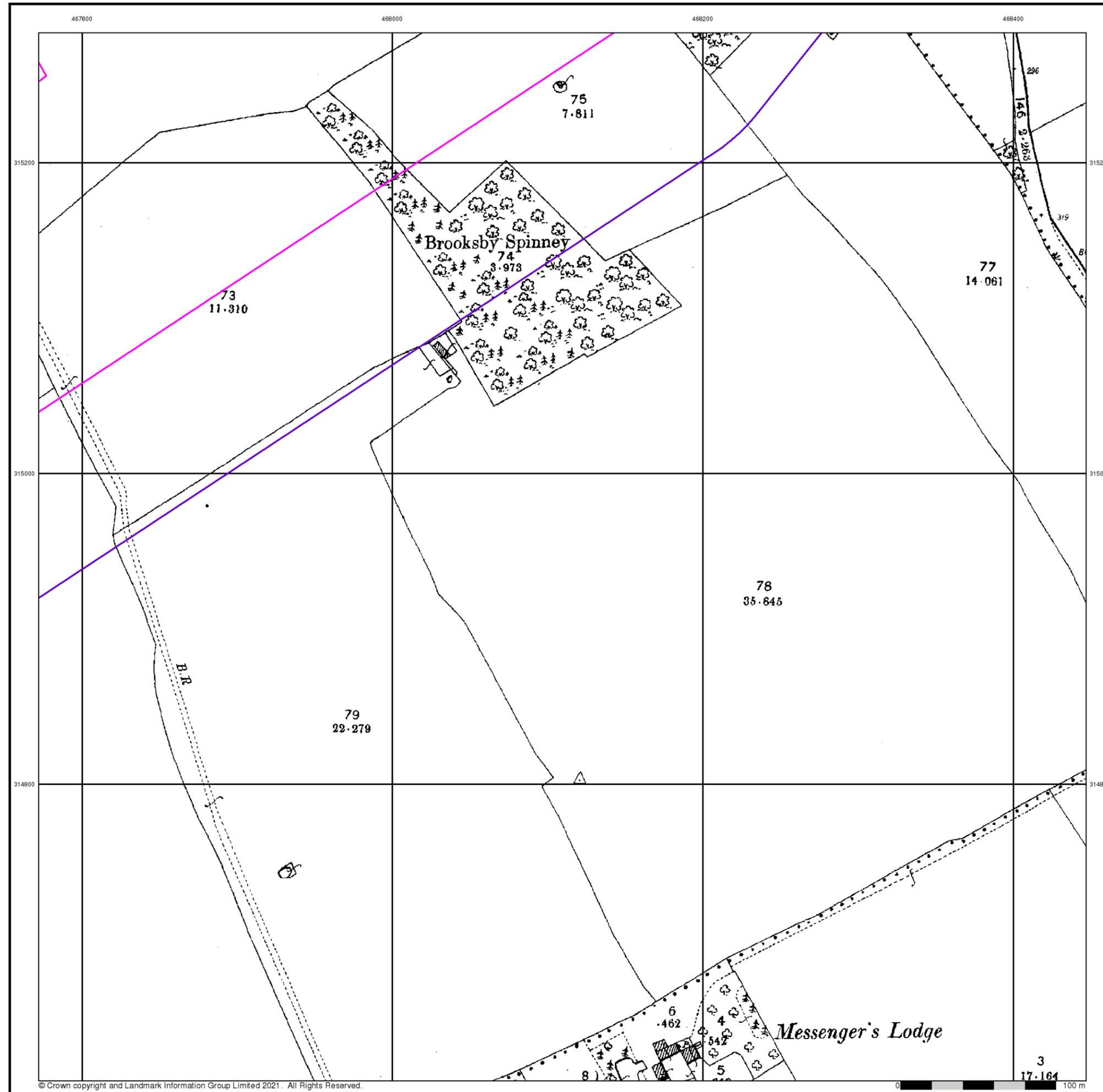
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 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 100

Site Details

Site at, Brooksby Grange Fm, Leicestershire

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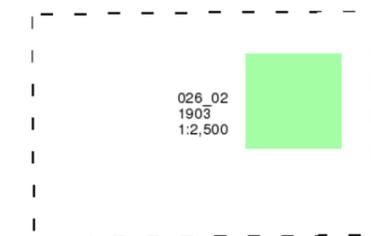
Leicestershire

Published 1903

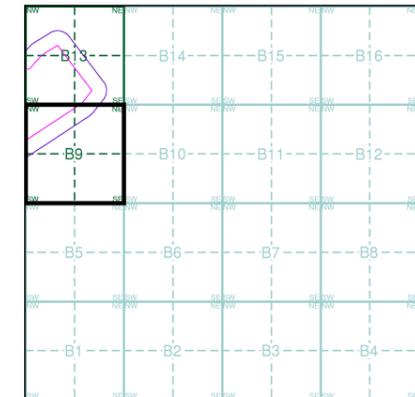
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Map Name(s) and Date(s)



Historical Map - Segment B9



Order Details

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 National Grid Reference: 468400, 315120
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Ordnance Survey Plan

Published 1973

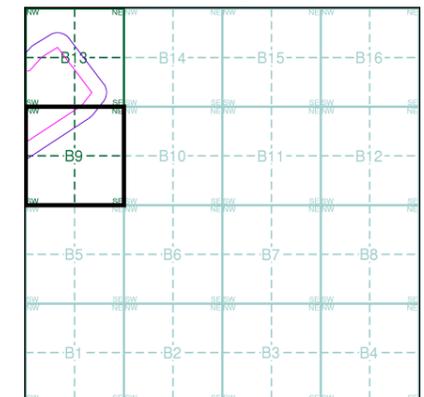
Source map scale - 1:2,500

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)

SK6715 1973 12,500	SK6815 1973 12,500
SK6714 1973 12,500	SK6814 1973 12,500

Historical Map - Segment B9

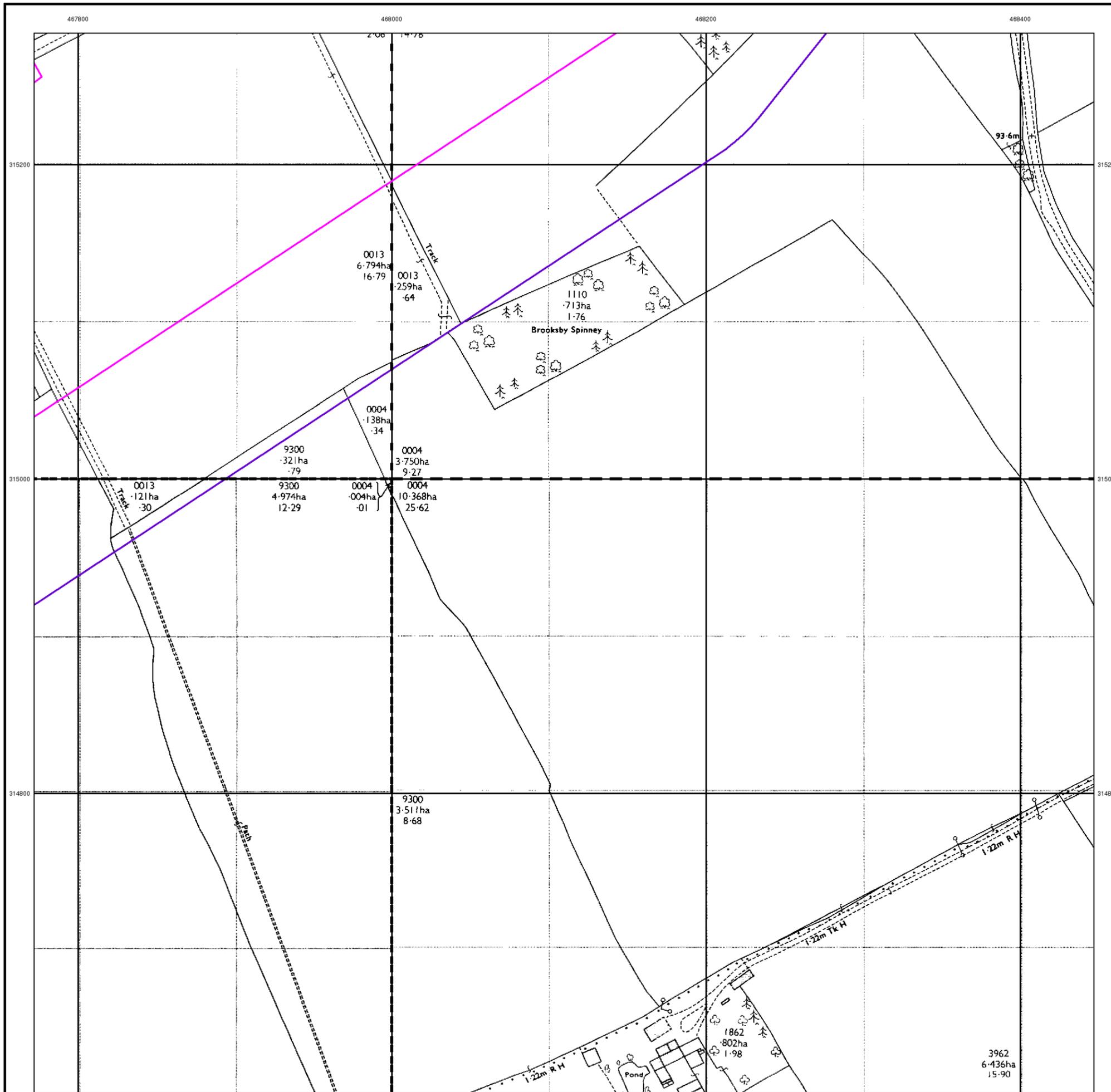


Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 100

Site Details

Site at, Brooksby Grange Fm, Leicestershire



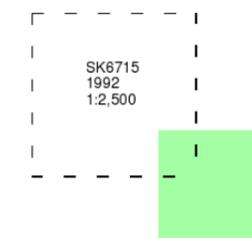
Additional SIMs

Published 1992

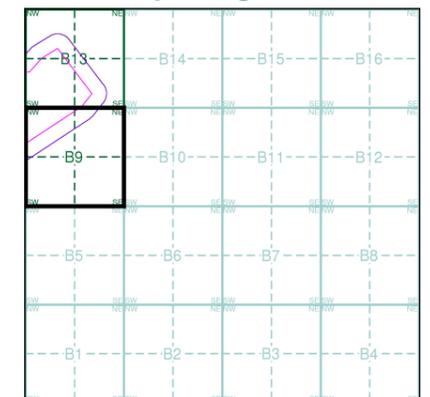
Source map scale - 1:2,500

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 B9

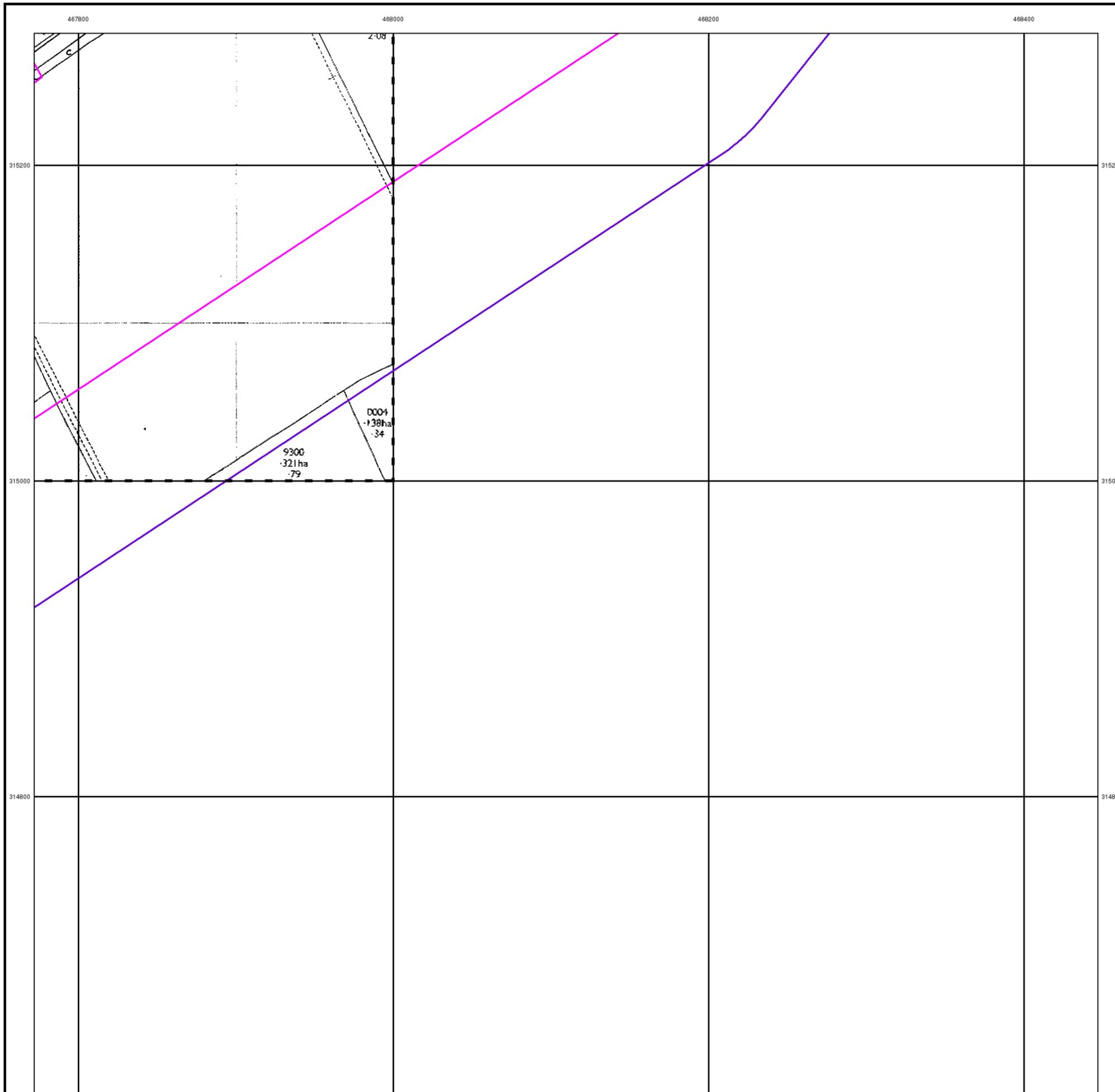


Order Details

Order Number: 282769965_1_1
Customer Ref: TAR/BRO/AKM/5654/01
National Grid Reference: 468400, 315120
Slice: B
Site Area (Ha): 35.96
Search Buffer (m): 100

Site Details

Site at, Brooksby Grange Fm, Leicestershire



Historical Mapping Legends

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

Quarry **Gravel Pit** **Sand Pit**
Clay Pit **Shingle** **Refuse Heap**
Sloping Masonry **Flat Rock**
Marsh **Reeds** **Osiers**
Rough Pasture **Furze** **Wood**
Mixed Wood **Brushwood** **Orchard**
Fir **Ford** **Stepping Stones**
Ferry **Waterfall** **Lock**
Trig. Station **Altitude at Trig. Station**
B.M. 325.9 **Bench Mark** **Surface Level**
Arrow denotes flow of water **Antiquities (site of)**
Cutting **Embankment**
Railway crossing Road **Level Crossing** **Road crossing Railway**
Railway crossing River or Canal **Road over single stream** **Road over River or Canal**
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
County Borough Boundary (England)
County Burgh Boundary (Scotland)
Co. Boro. Bdy.
Co. Burgh Bdy.
BP BS Boundary Post or Stone **P.C.B** Police Call Box
B.R. Bridle Road **P** Pump
E.P Electricity Pylon **S.P** Signal Post
F.B. Foot Bridge **SL** Sluice
F.P. Foot Path **Sp.** Spring
G.P Guide Post or Board **T.C.B** Telephone Call Box
M.S Mile Stone **Tr.** Trough
M.P M.R Mooring Post or Ring **W** Well

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

Inactive Quarry, Chalk Pit or Clay Pit **Active Quarry, Chalk Pit or Clay Pit**
Rock **Boulders**
Cliff **Slopes** **Top**
Roofed Building **Glazed Roof Building**
Sloping Masonry **Archway**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Bench Mark** **Antiquity (site of)**
Cave Entrance **Triangulation Station** **Electricity Pylon**
Electricity Transmission Line
County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
London Borough Boundary
Symbol marking point where boundary mereing changes
BH Beer House **P** Pillar, Pole or Post
BP, BS Boundary Post or Stone **PO** Post Office
Cn, C Capstan, Crane **PC** Public Convenience
Chy Chimney **PH** Public House
D Fn Drinking Fountain **Pp** Pump
EI P Electricity Pillar or Post **SB, S Br** Signal Box or Bridge
FAP Fire Alarm Pillar **SP, SL** Signal Post or Light
FB Foot Bridge **Spr** Spring
GP Guide Post **Tk** Tank or Track
H Hydrant or Hydraulic **TCB** Telephone Call Box
LC Level Crossing **TCP** Telephone Call Post
MH Manhole **Tr** Trough
MP Mile Post or Mooring Post **Wr Pt, Wr T** Water Point, Water Tap
MS Mile Stone **W** Well
NTL Normal Tidal Limit **Wd Pp** Wind Pump

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

Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Triangulation Station** **Antiquity (site of)**
Electricity Transmission Line **Electricity Pylon**
B.M. 231.60m Bench Mark **Buildings with Building Seed**
Roofed Building **Glazed Roof Building**
Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)
Bks Barracks **P** Pillar, Pole or Post
Bty Battery **PO** Post Office
Cemy Cemetery **PC** Public Convenience
Chy Chimney **Pp** Pump
Cis Cistern **Ppg Sta** Pumping Station
Dismtd Rly Dismantled Railway **PW** Place of Worship
EI Gen Sta Electricity Generating Station **Sewage Ppg Sta** Sewage Pumping Station
EI P Electricity Pole, Pillar **SB, S Br** Signal Box or Bridge
EI Sub Sta Electricity Sub Station **SP, SL** Signal Post or Light
FB Filter Bed **Spr** Spring
Fn / D Fn Fountain / Drinking Ftn. **Tk** Tank or Track
Gas Gov Gas Valve Compound **Tr** Trough
GVC Gas Governor **Wd Pp** Wind Pump
GP Guide Post **Wr Pt, Wr T** Water Point, Water Tap
MH Manhole **Wks** Works (building or area)
MP, MS Mile Post or Mile Stone **W** Well

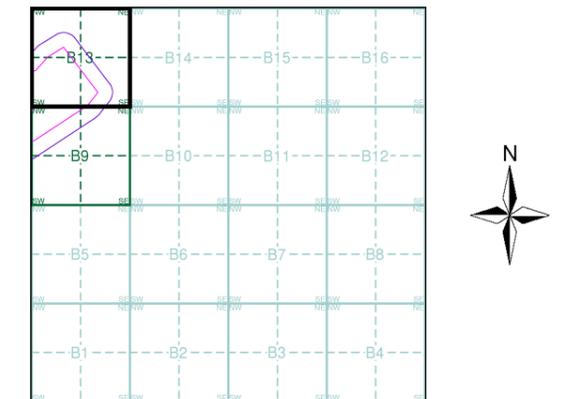
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Leicestershire	1:2,500	1884	2
Leicestershire	1:2,500	1903	3
Ordnance Survey Plan	1:2,500	1973	4
Additional SIMs	1:2,500	1992	5
Large-Scale National Grid Data	1:2,500	1994	6

Historical Map - Segment B13



Order Details

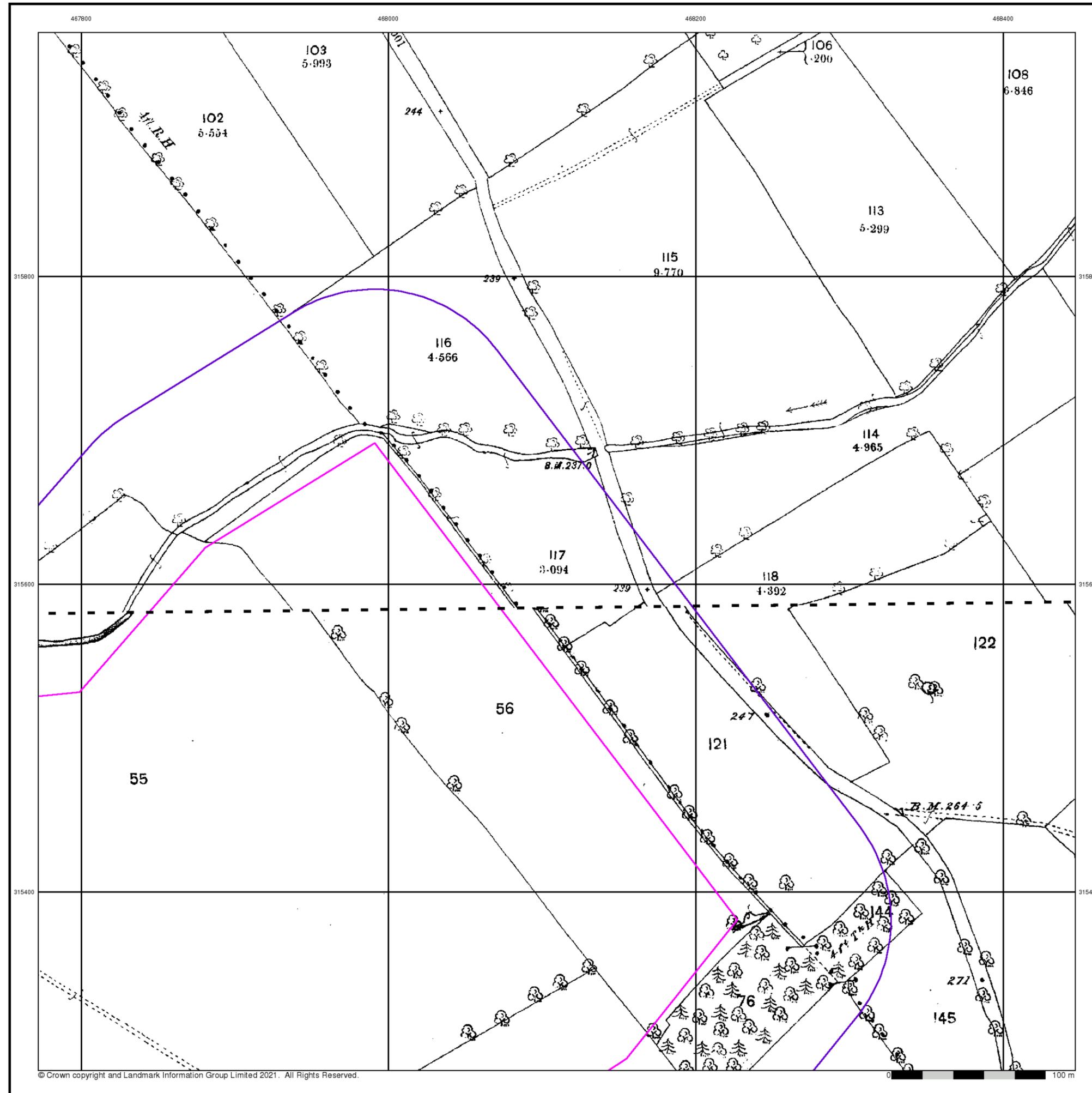
Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 100

Site Details

Site at, Brooksby Grange Fm, Leicestershire

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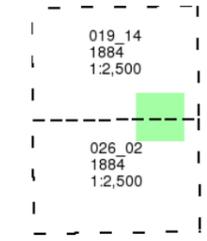
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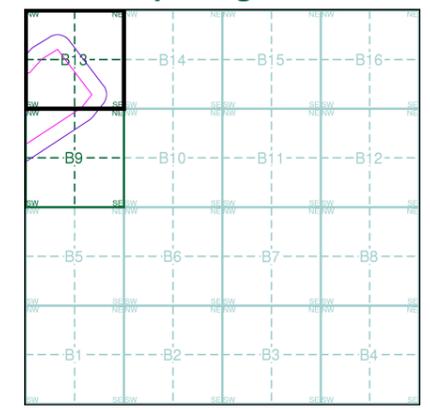
Leicestershire
Published 1884
Source map scale - 1:2,500

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)



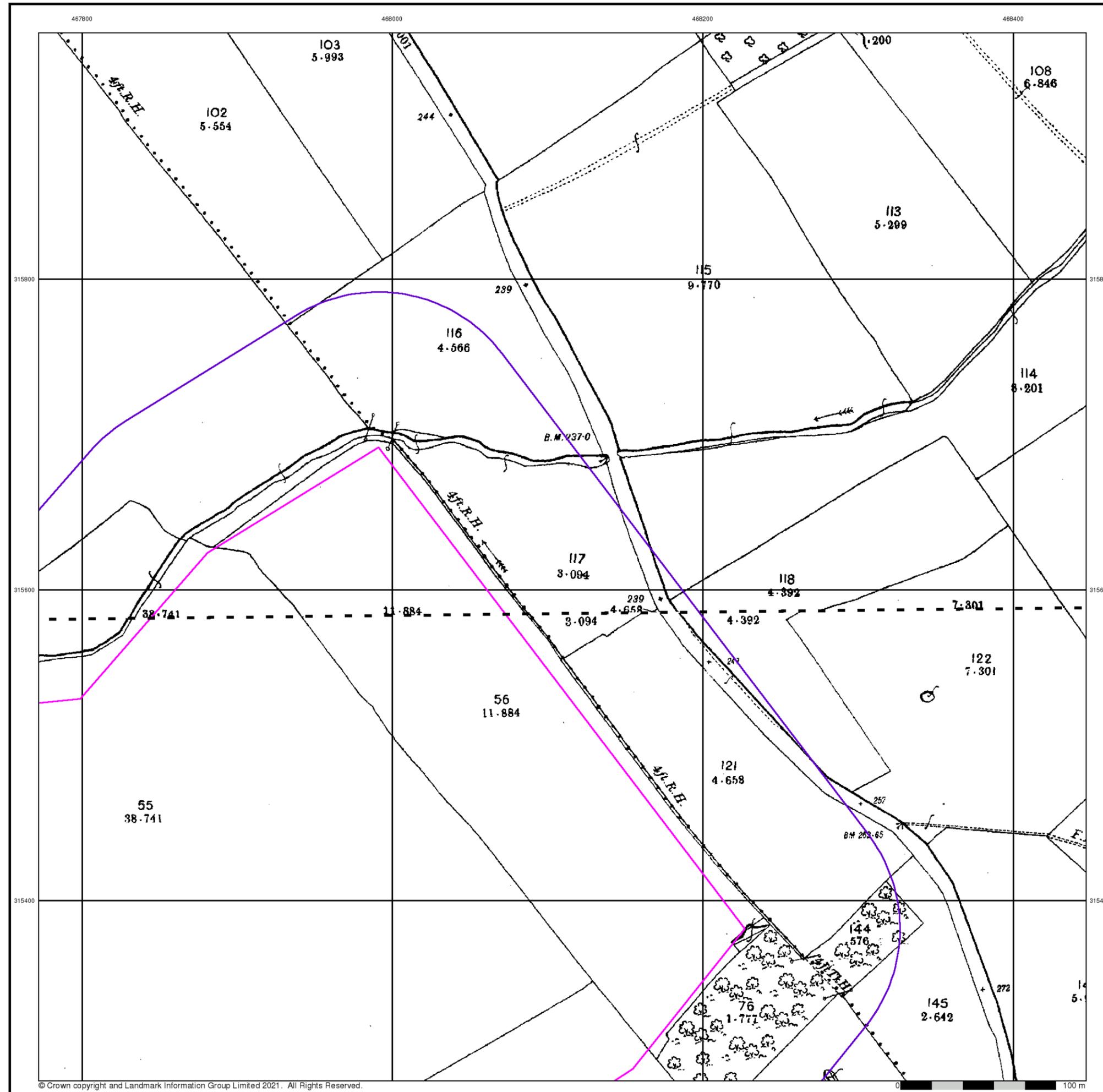
Historical Map - Segment B13



Order Details
 Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 100

Site Details
 Site at, Brooksby Grange Fm, Leicestershire

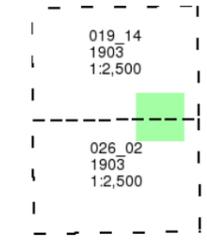
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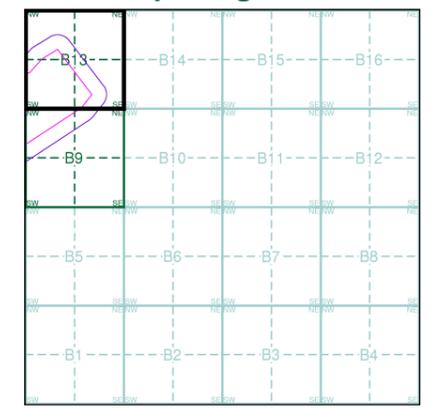
Leicestershire
Published 1903
Source map scale - 1:2,500

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)



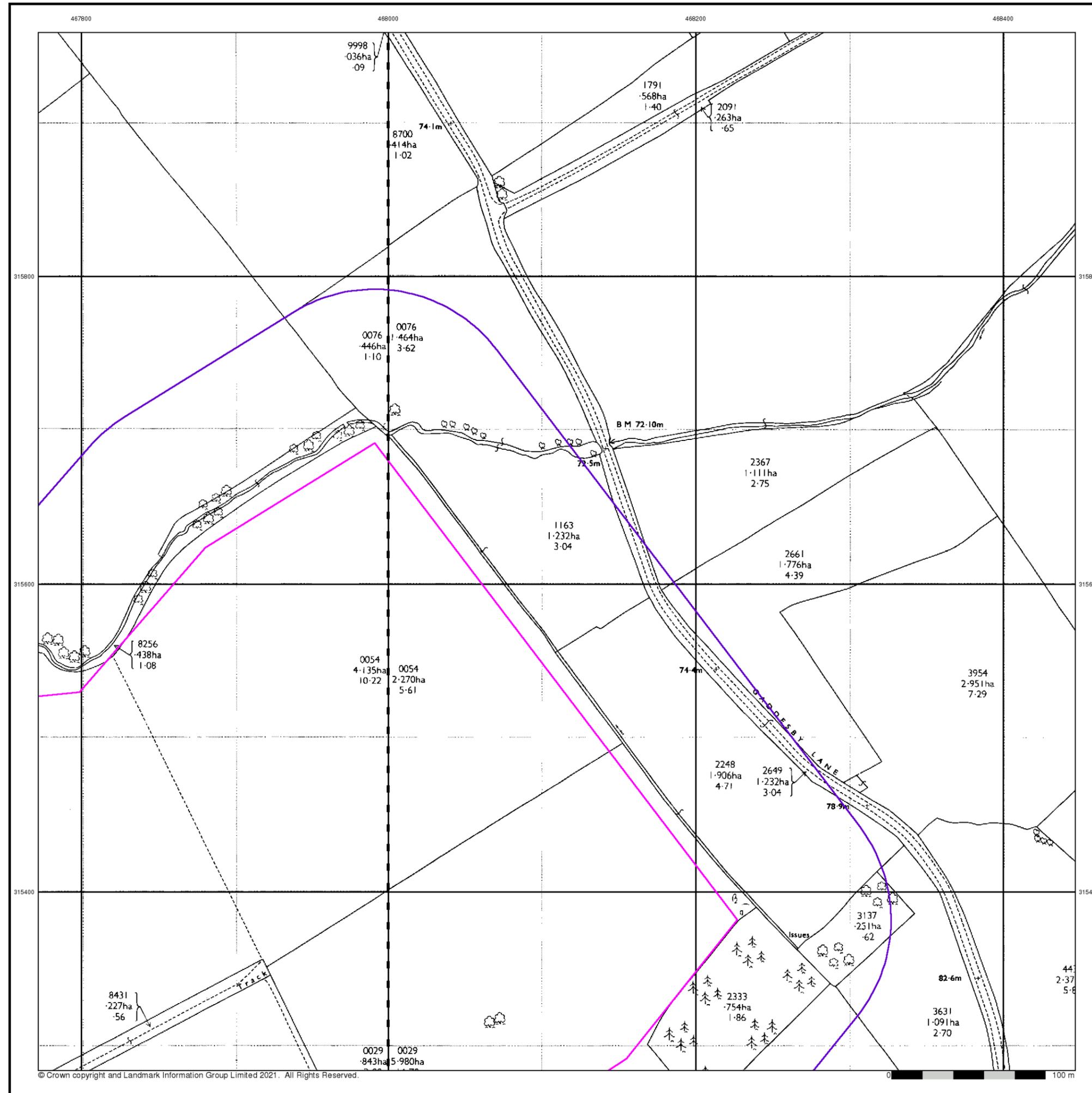
Historical Map - Segment B13



Order Details
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 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 100

Site Details
 Site at, Brooksby Grange Fm, Leicestershire

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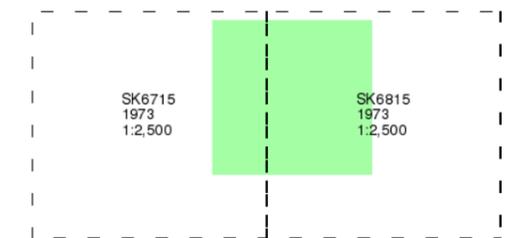
Ordnance Survey Plan

Published 1973

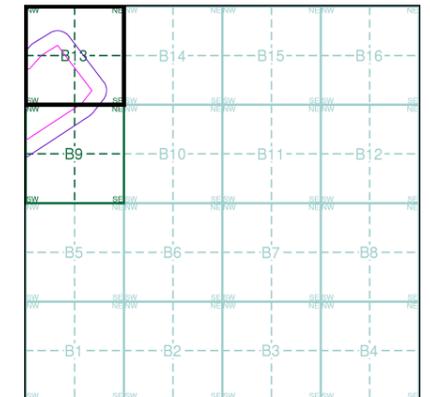
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment B13



Order Details

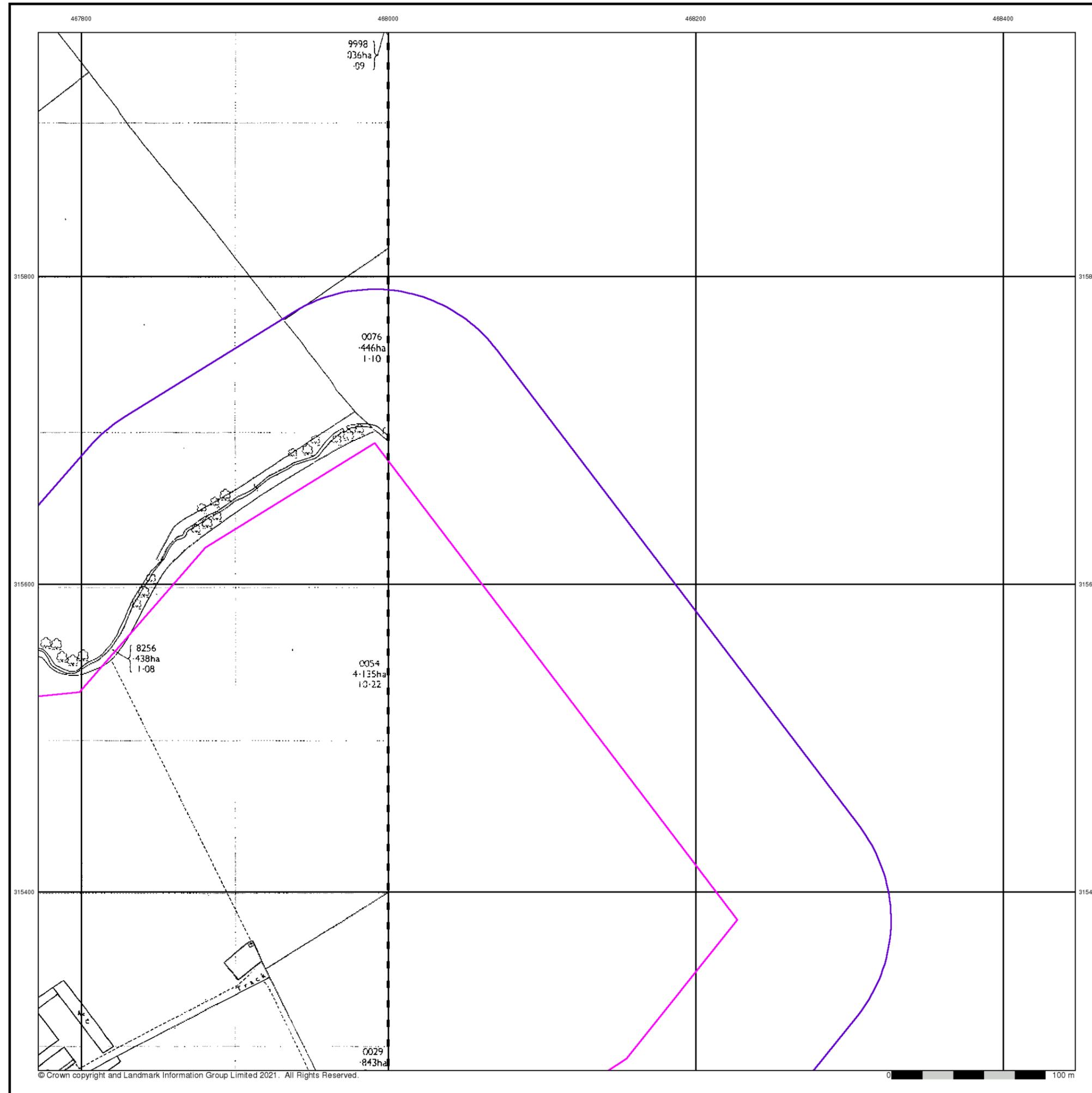
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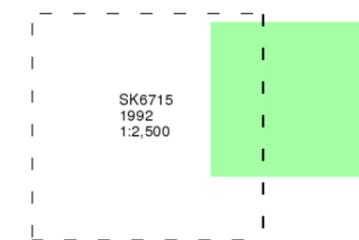
Additional SIMs

Published 1992

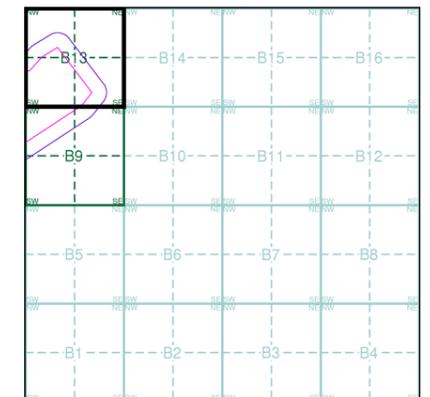
Source map scale - 1:2,500

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 B13



Order Details

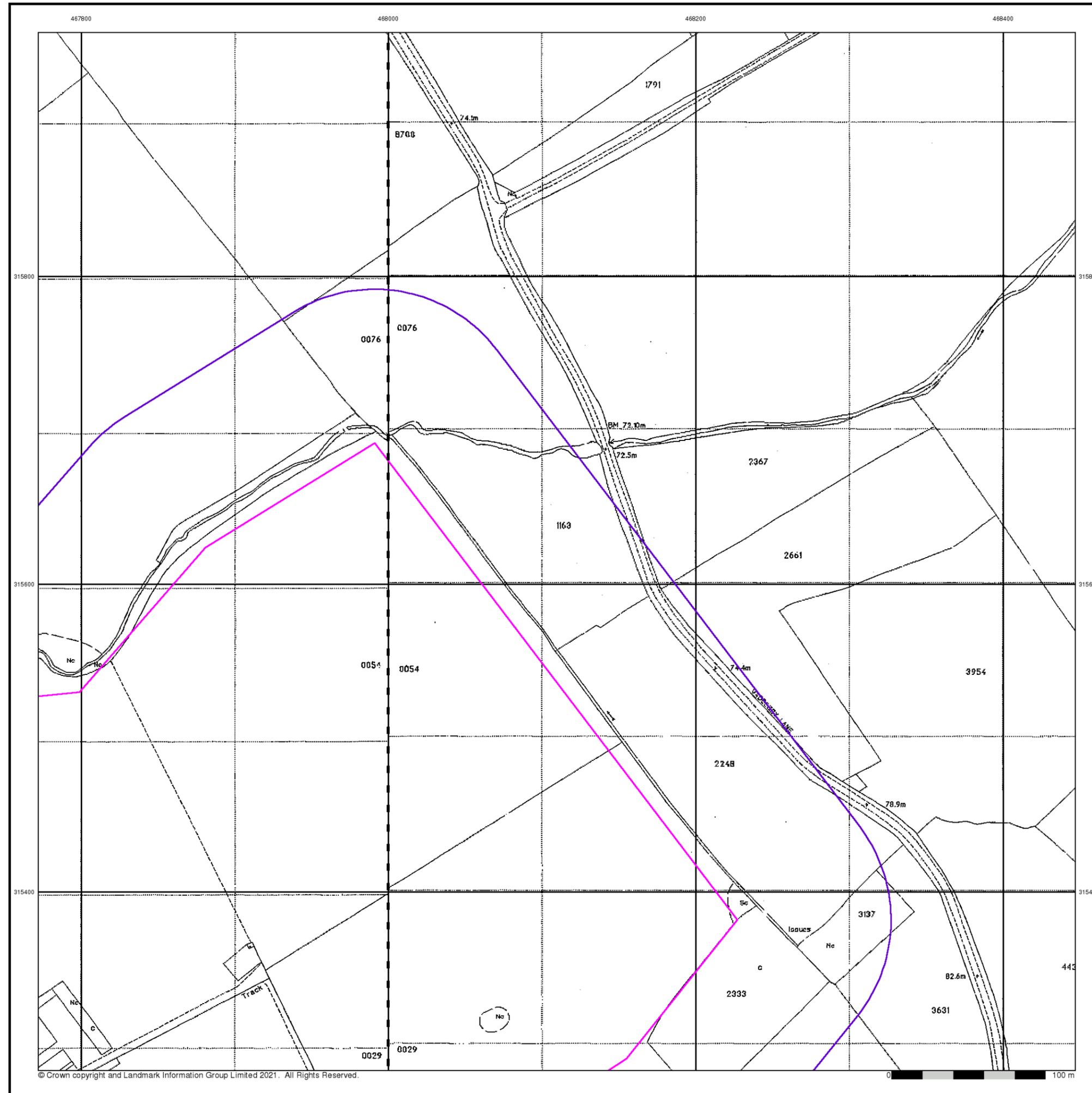
Order Number: 282769965_1_1
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 National Grid Reference: 468400, 315120
 Slice: B
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Site Details

Site at, Brooksby Grange Fm, Leicestershire

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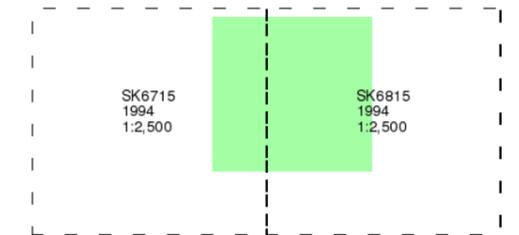
Large-Scale National Grid Data

Published 1994

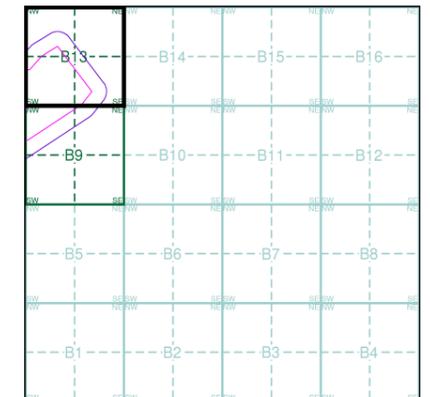
Source map scale - 1:2,500

'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 B13



Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
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 Slice: B
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 Search Buffer (m): 100

Site Details

Site at, Brooksby Grange Fm, Leicestershire

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Coppice		Heath
	Rough Grassland		Marsh
	Reeds		Saltings
	Building		Glasshouse
	Sloping Masonry		Pylon
	Electricity Transmission Line		Pole
	Cutting		Embankment
	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 Shown only when not coincident with other boundaries		
	Civil Parish Shown alternately when coincidence of boundaries occurs		
	BP, BS Boundary Post or Stone		Pol Sta Police Station
	Ch Church		PO Post Office
	CH Club House		PC Public Convenience
	F E Sta Fire Engine Station		PH Public House
	FB Foot Bridge		SB Signal Box
	Fn Fountain		Spr Spring
	GP Guide Post		TCB Telephone Call Box
	MP Mile Post		TCP Telephone Call Post
	MS Mile Stone		W 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
	MHW(S) Mean high water (springs)		MLW(S) 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

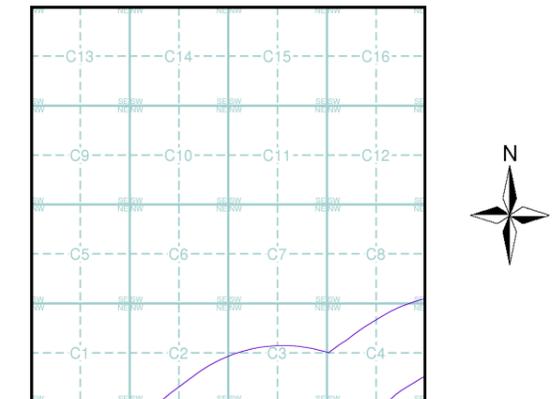
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Leicestershire	1:10,560	1884	2
Leicestershire	1:10,560	1904	3
Leicestershire	1:10,560	1953	4
Ordnance Survey Plan	1:10,000	1959	5
Ordnance Survey Plan	1:10,000	1977	6
10K Raster Mapping	1:10,000	2000	7
Street View	Variable		8

Historical Map - Slice C



Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 467080, 316190
 Slice: C
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

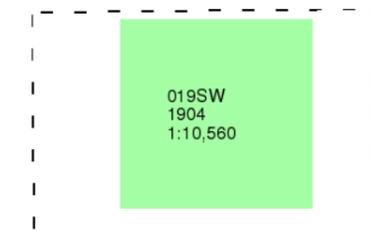
Site at, Brooksby Grange Fm, Leicestershire

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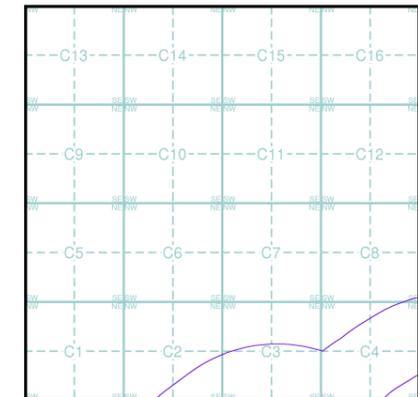
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. 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 C

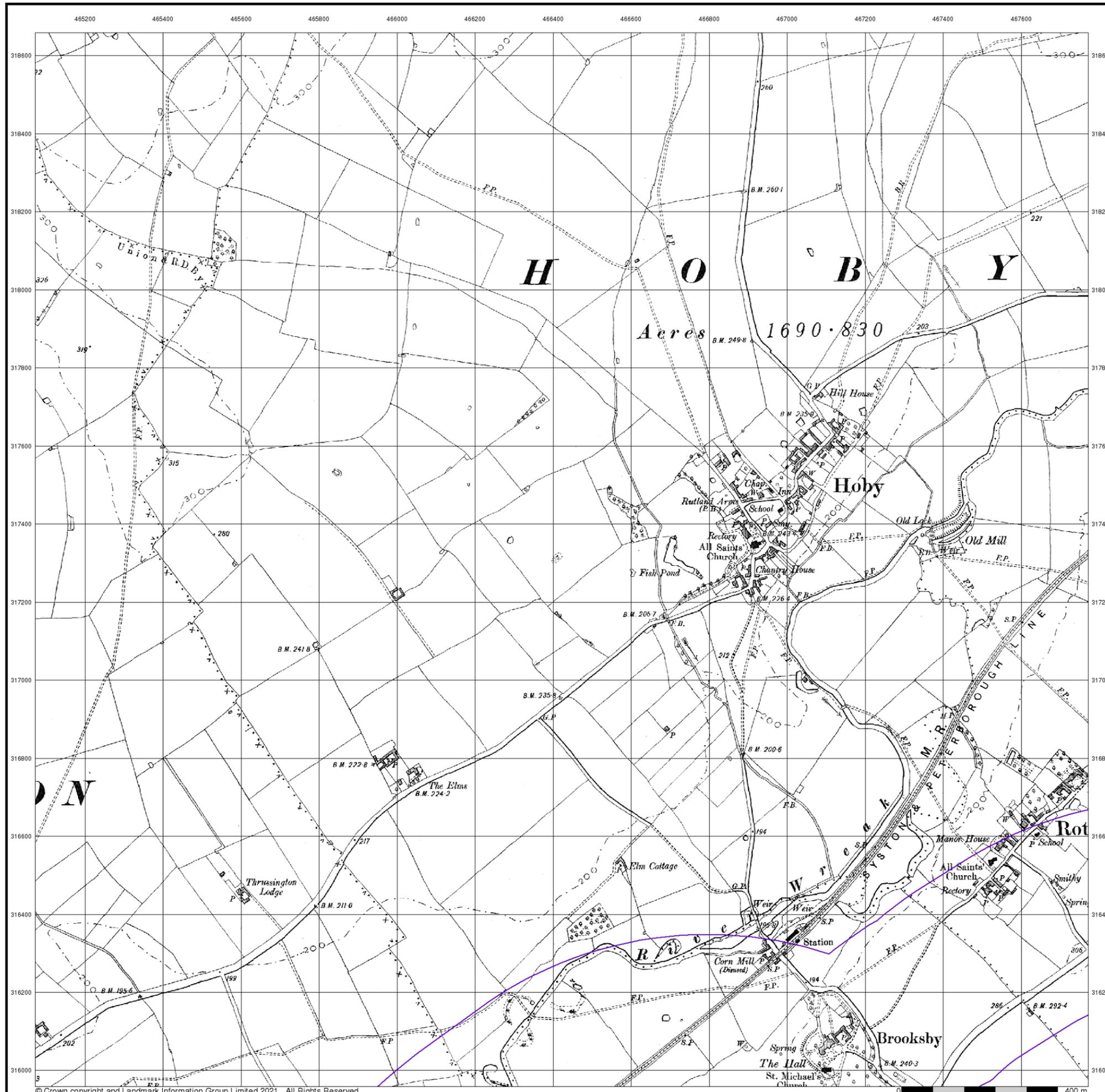


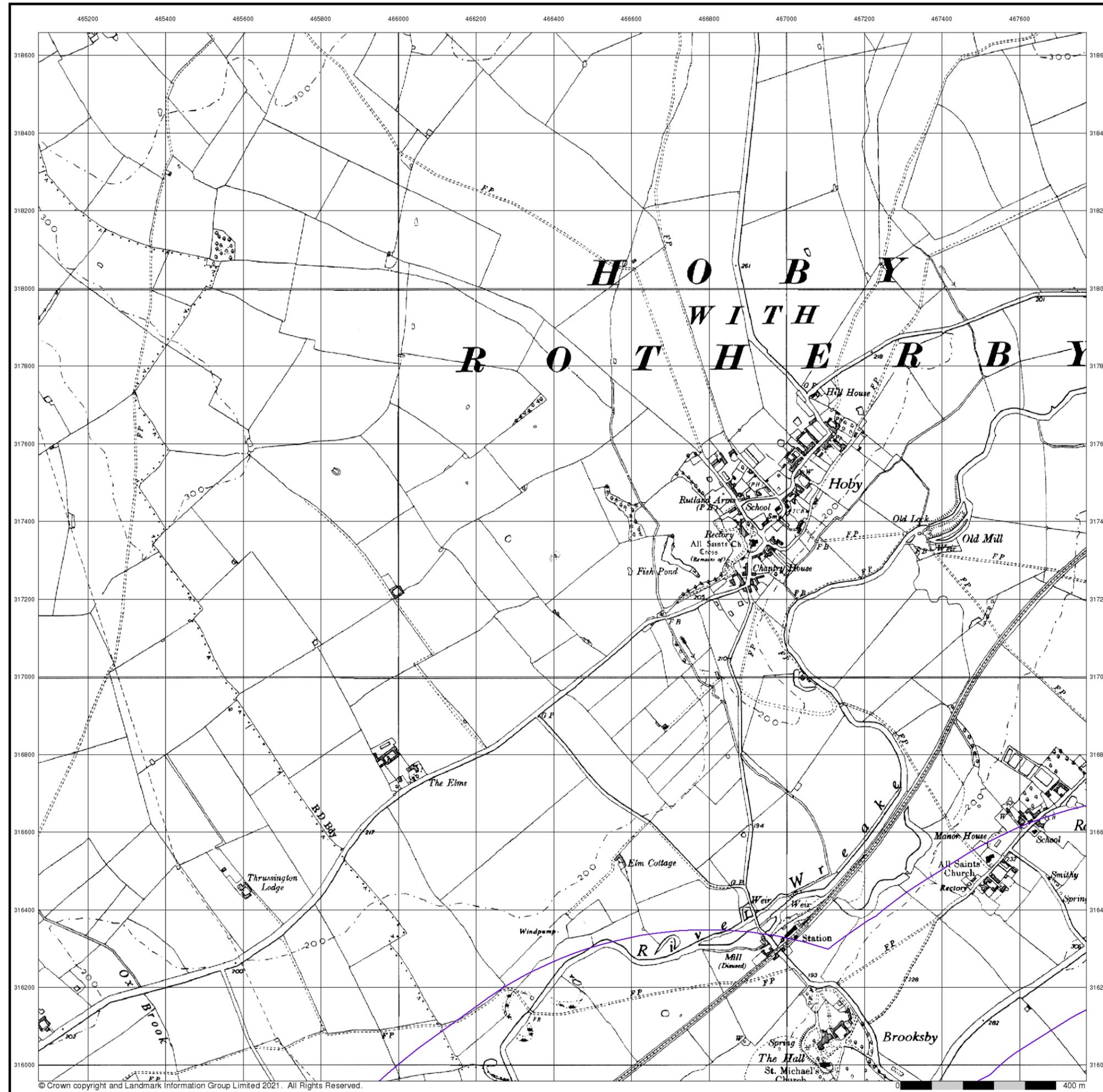
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Customer Ref: TAR/BRO/AKM/5654/01
National Grid Reference: 467080, 316190
Slice: C
Site Area (Ha): 35.96
Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire





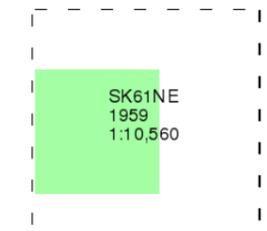
Ordnance Survey Plan

Published 1959

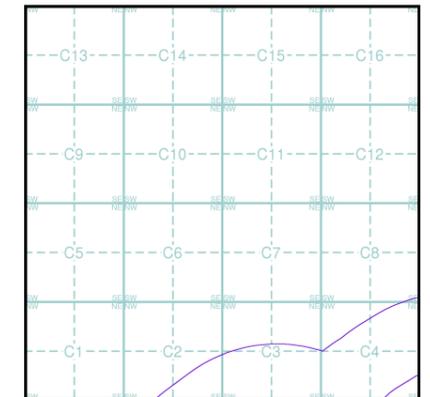
Source map scale - 1:10,000

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 C

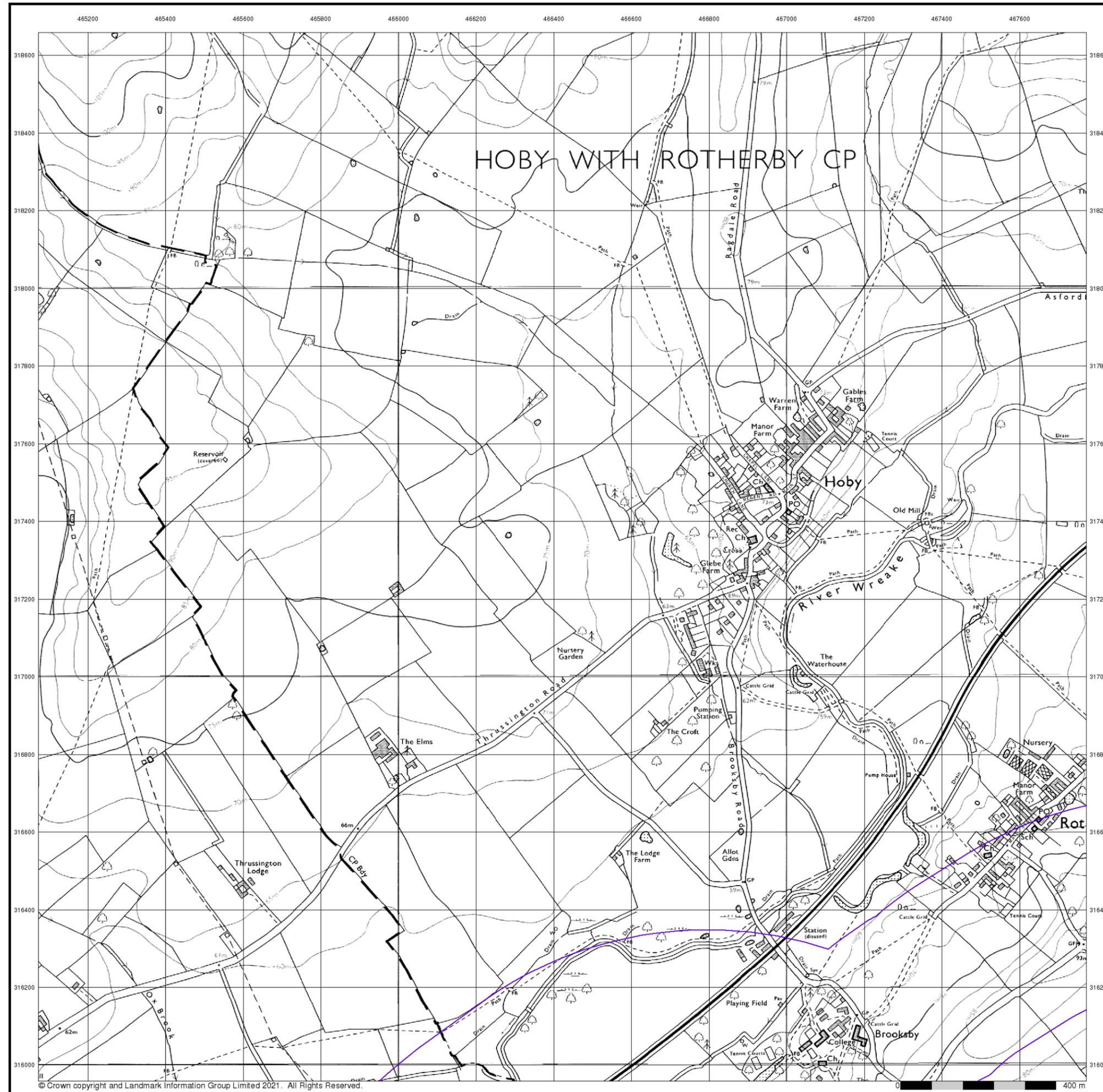


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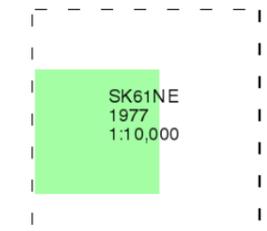
Ordnance Survey Plan

Published 1977

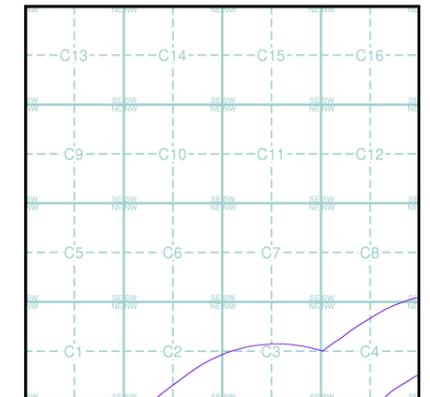
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Map Name(s) and Date(s)



Historical Map - Slice C



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Site Details

Site at, Brooksbys Grange Fm, Leicestershire

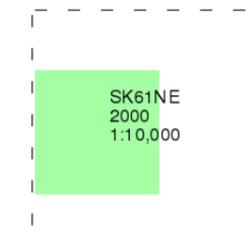
10k Raster Mapping

Published 2000

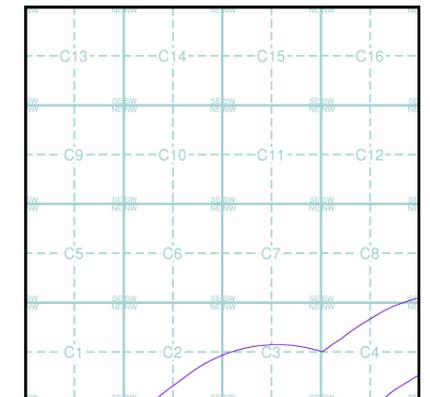
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice C

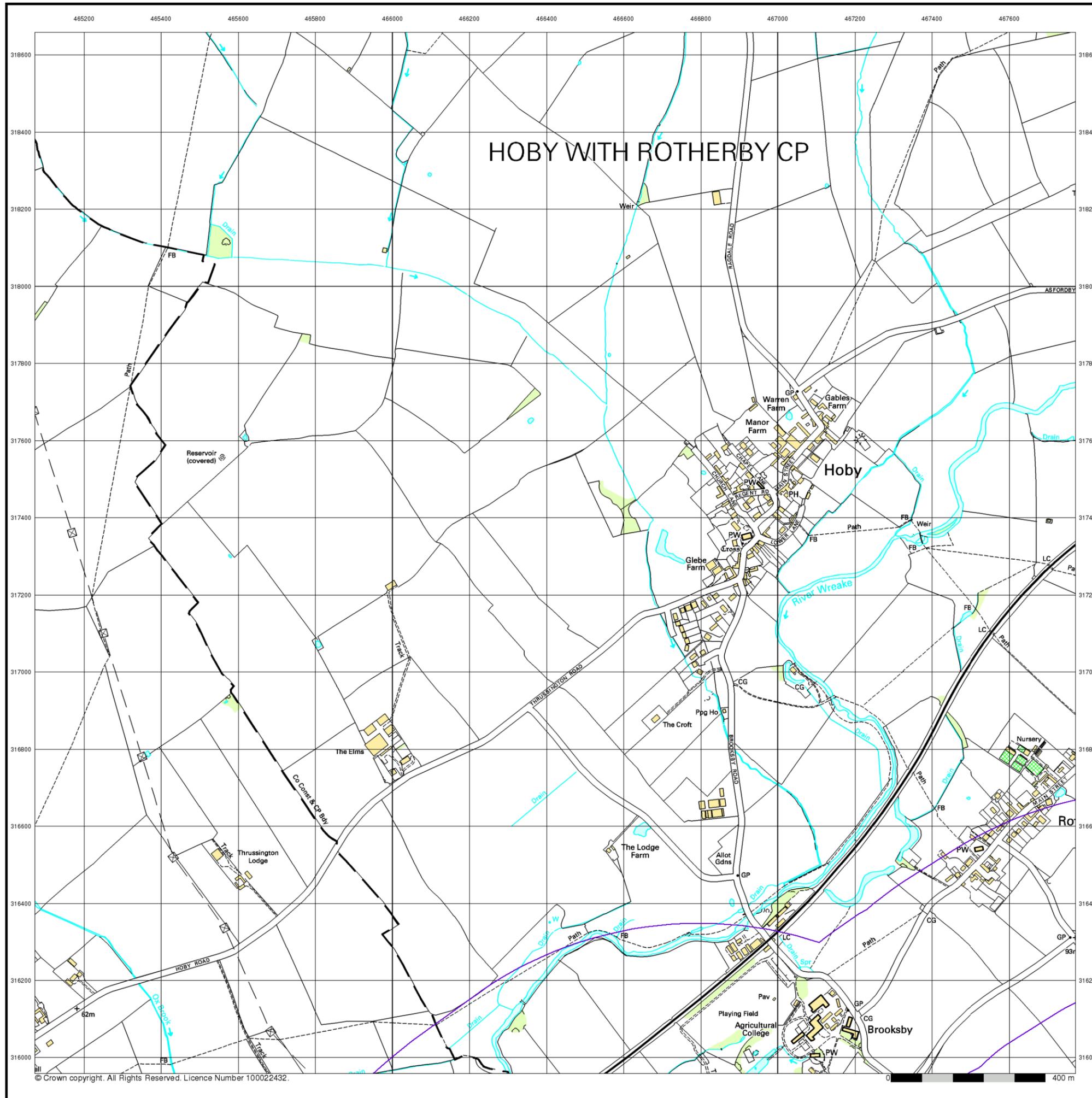


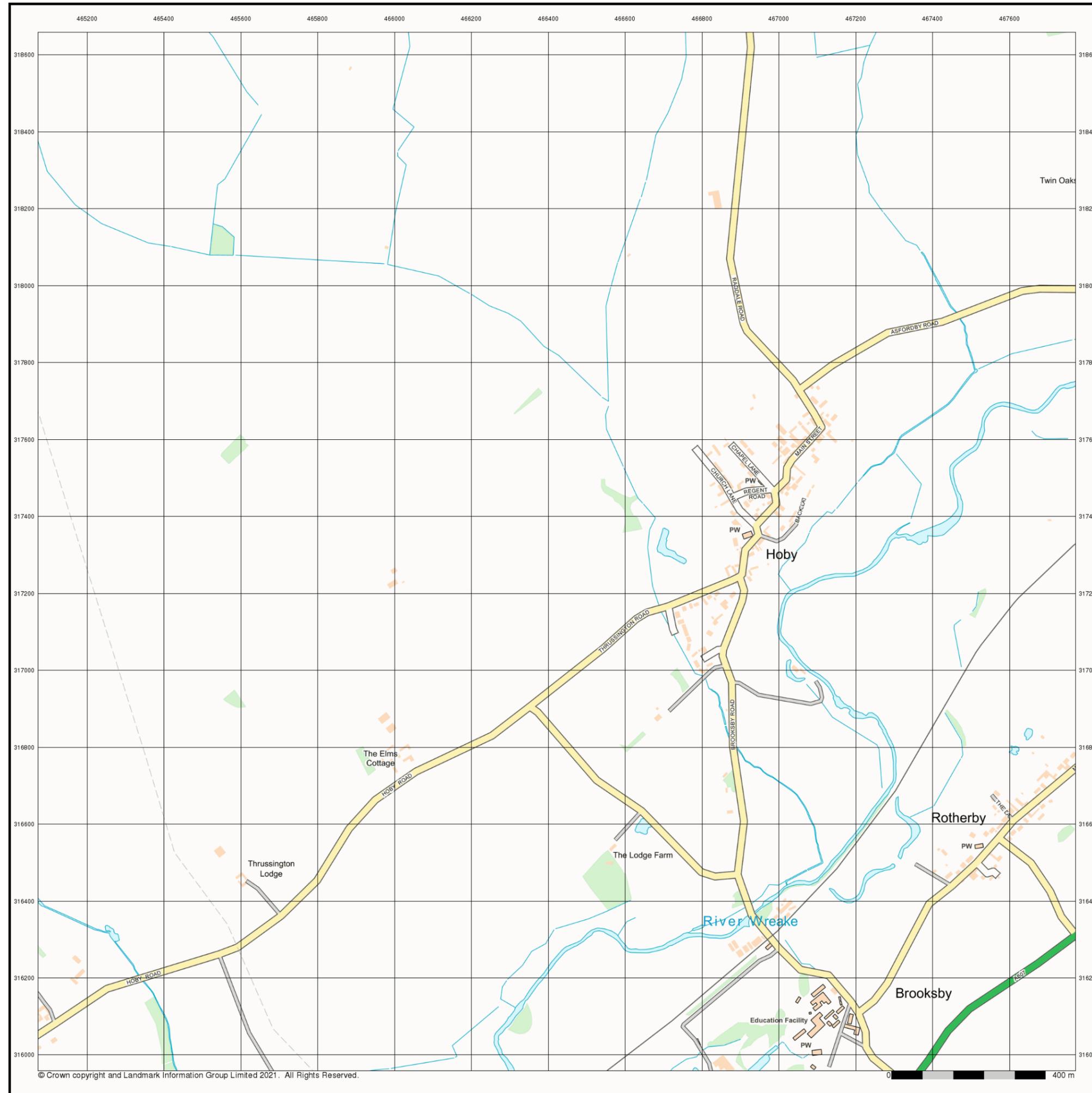
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Slice: C
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Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire





Street View

Published 2021

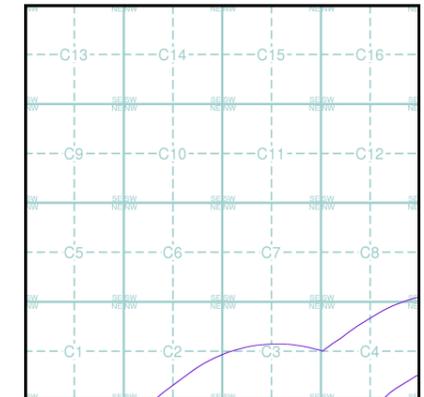
Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)



Street View Map - Slice C



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Site Details

Site at, Brooksey Grange Fm, Leicestershire

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Coppice		
	Bracken		Heath
	Rough Grassland		
	Marsh		Reeds
	Saltings		
	Building		Glasshouse
	Sloping Masonry		Pylon
	Electricity Transmission Line		Pole
	Cutting		Embankment
	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 Shown only when not coincident with other boundaries		
	Civil Parish Shown alternately when coincidence of boundaries occurs		
	BP, BS Boundary Post or Stone		Pol Sta Police Station
	Ch Church		PO Post Office
	CH Club House		PC Public Convenience
	F E Sta Fire Engine Station		PH Public House
	FB Foot Bridge		SB Signal Box
	Fn Fountain		Spr Spring
	GP Guide Post		TCB Telephone Call Box
	MP Mile Post		TCP Telephone Call Post
	MS Mile Stone		W 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
	MHW(S) Mean high water (springs)		MLW(S) 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

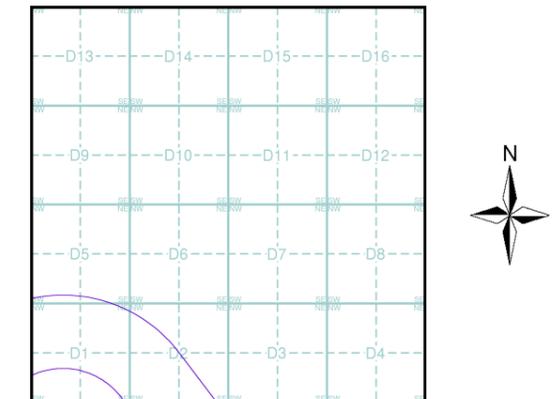
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Leicestershire	1:10,560	1884	2
Leicestershire	1:10,560	1904	3
Leicestershire	1:10,560	1953	4
Ordnance Survey Plan	1:10,000	1959	5
Ordnance Survey Plan	1:10,000	1971 - 1977	6
Ordnance Survey Plan	1:10,000	1984	7
Ordnance Survey Plan	1:10,000	1993	8
10K Raster Mapping	1:10,000	2000	9
Street View	Variable		10

Historical Map - Slice D



Order Details

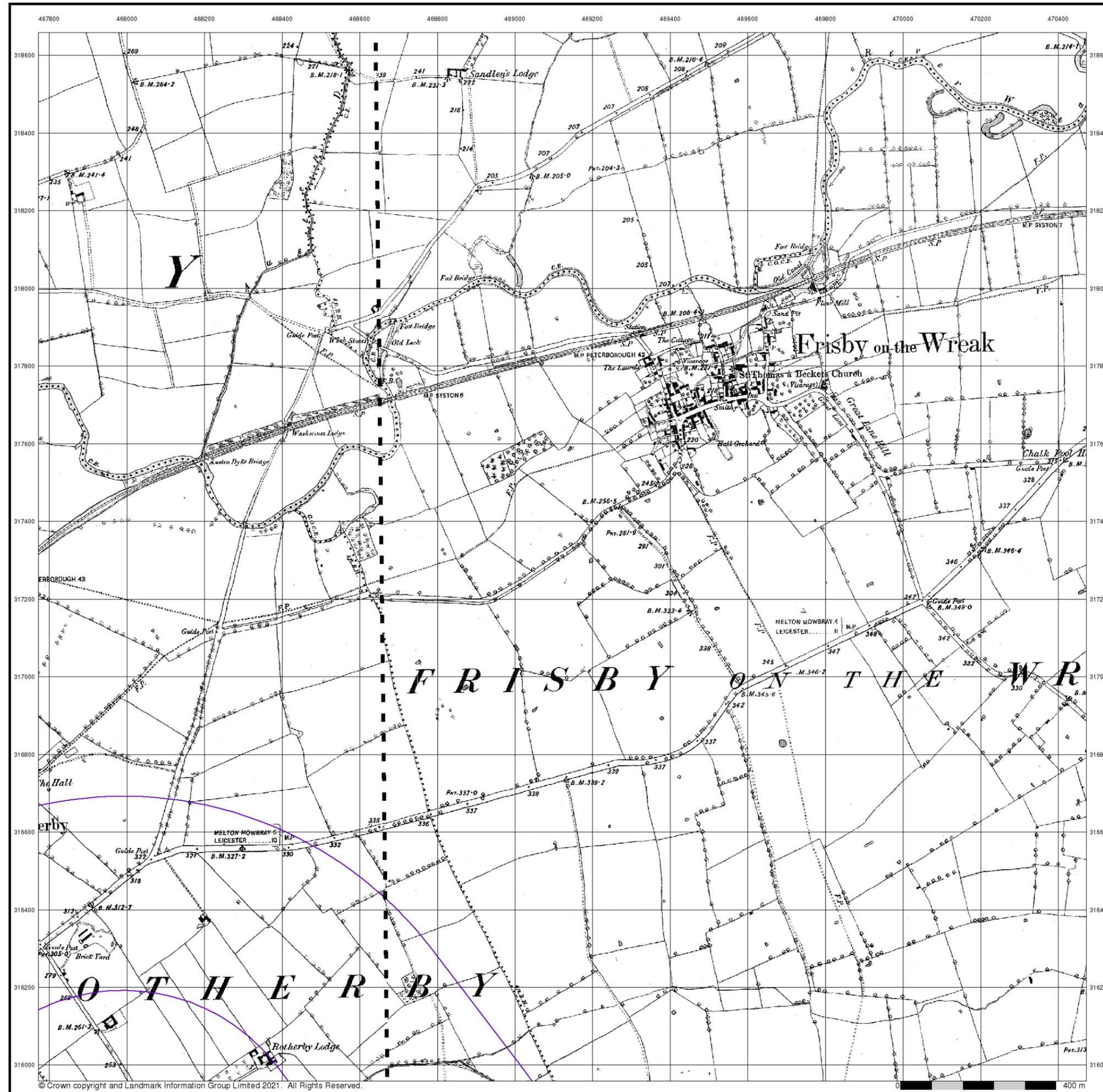
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Site Details

Site at, Brooksby Grange Fm, Leicestershire

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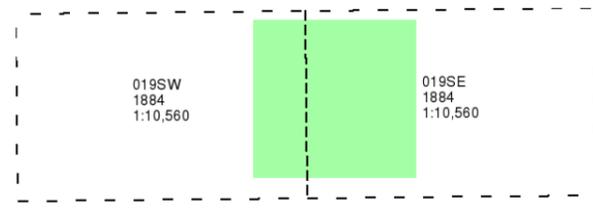
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



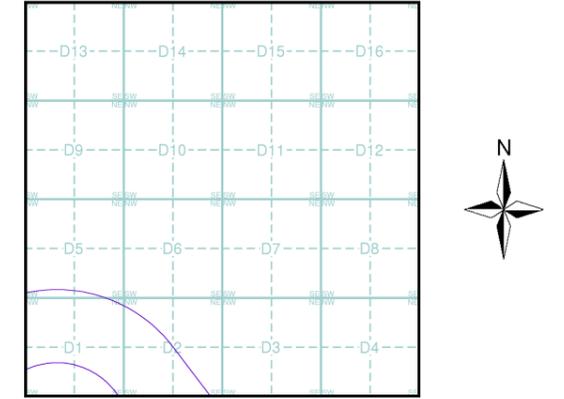
Leicestershire
Published 1884
Source map scale - 1:10,560

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)

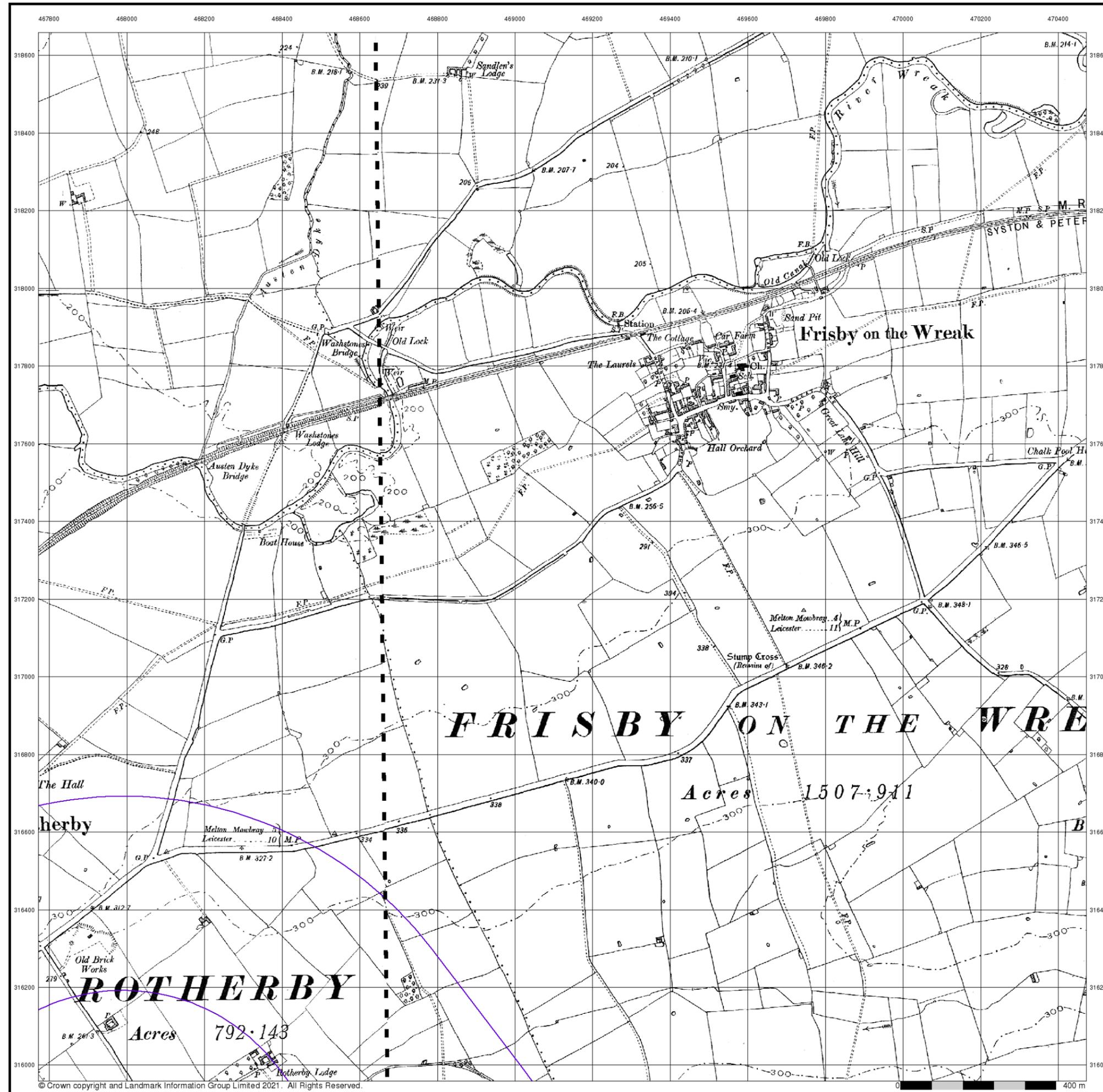


Historical Map - Slice D



Order Details
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 National Grid Reference: 468270, 316270
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 Search Buffer (m): 1000

Site Details
 Site at, Brooksby Grange Fm, Leicestershire



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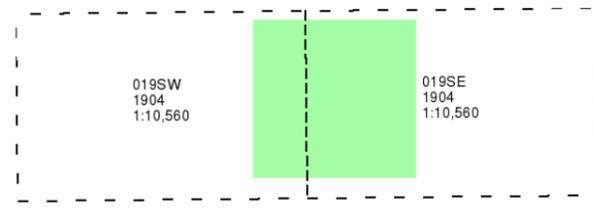
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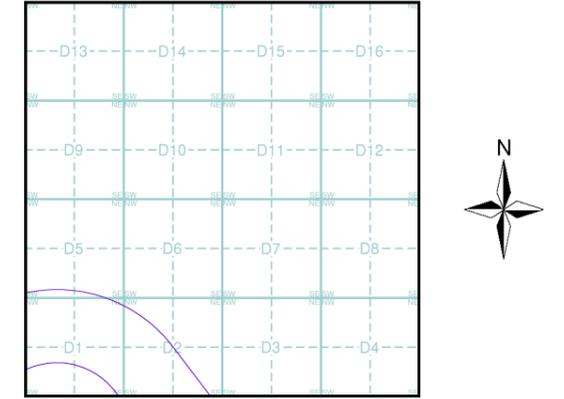
Leicestershire
Published 1904
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice D



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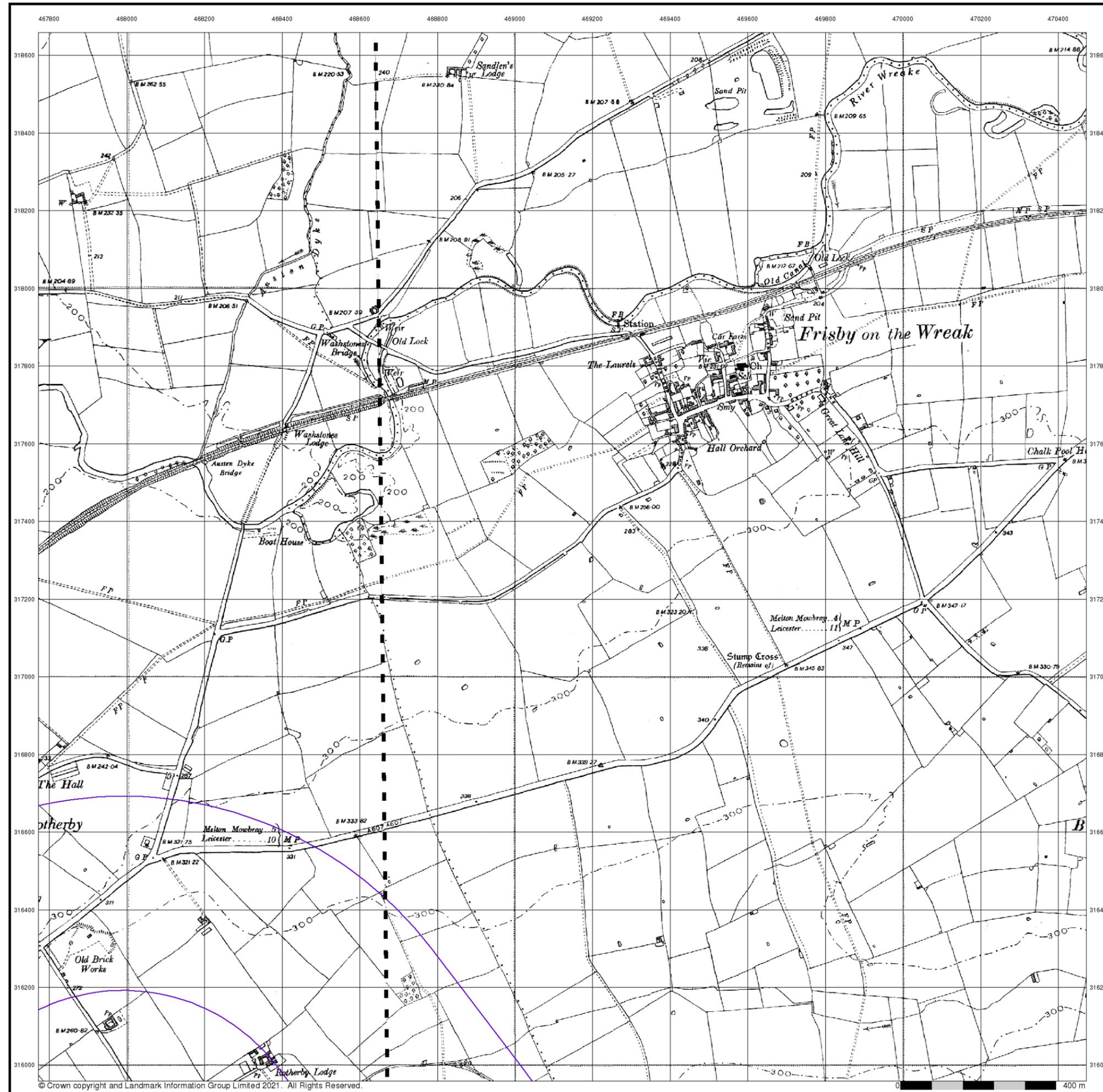
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Site Details

Site at, Brooksby Grange Fm, Leicestershire

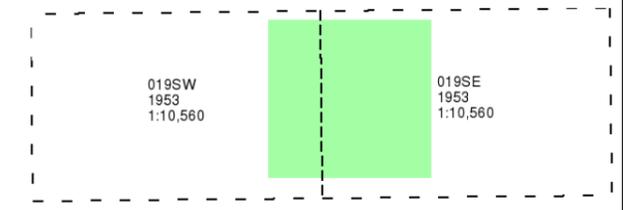
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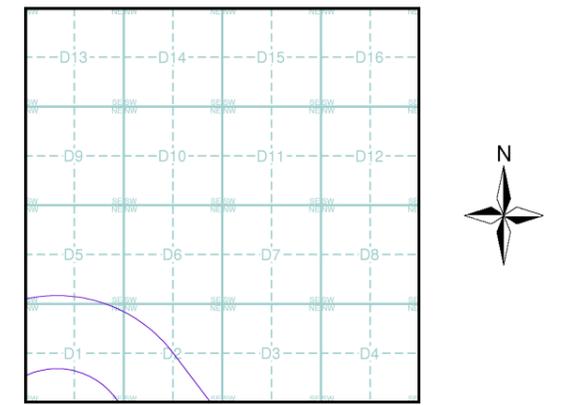


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Map Name(s) and Date(s)



Historical Map - Slice D

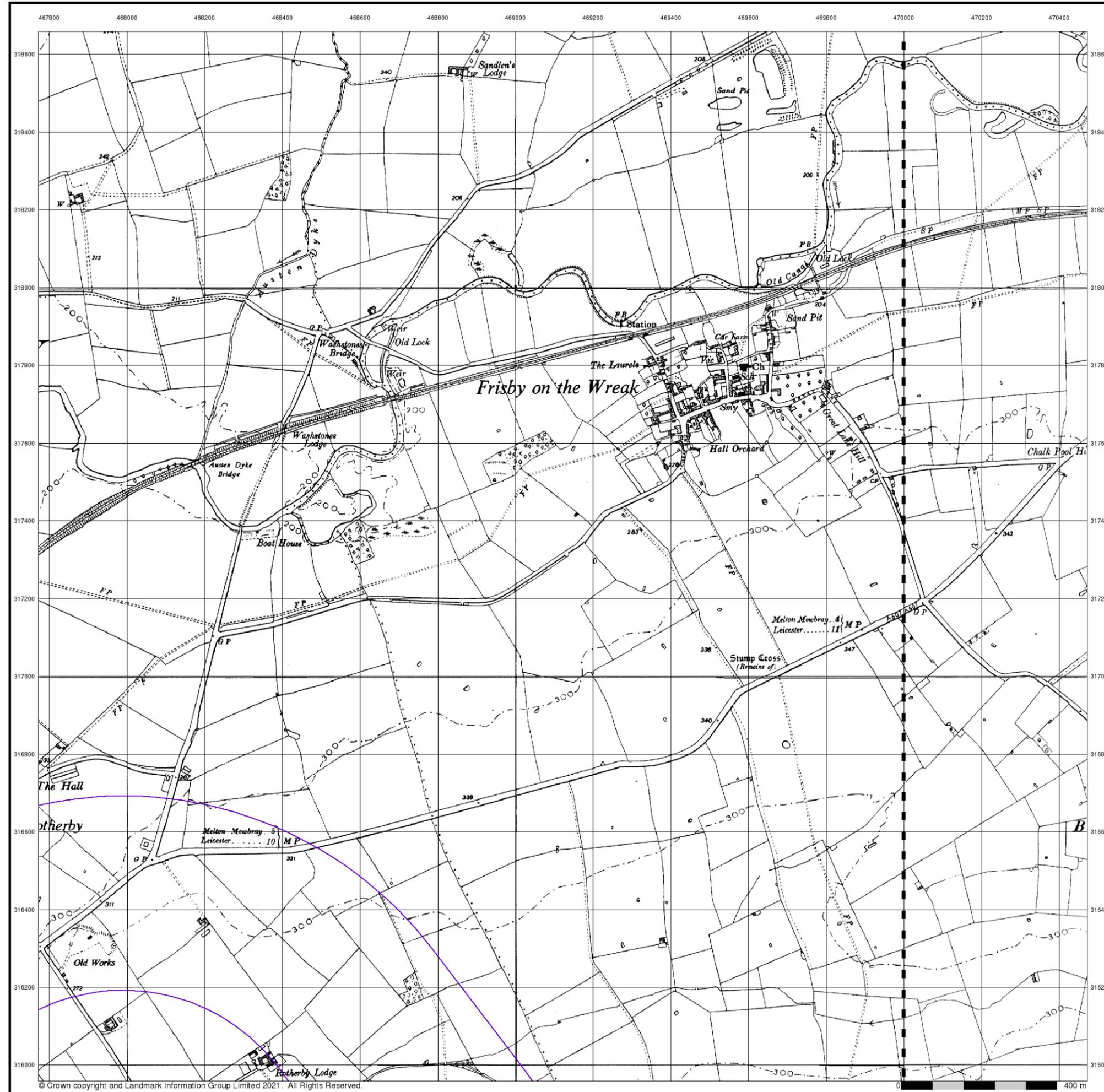


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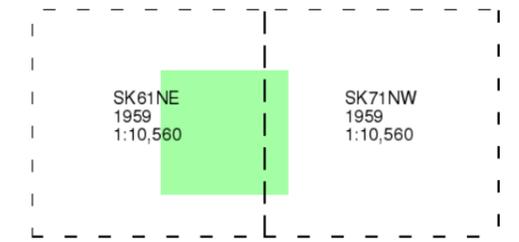
Ordnance Survey Plan

Published 1959

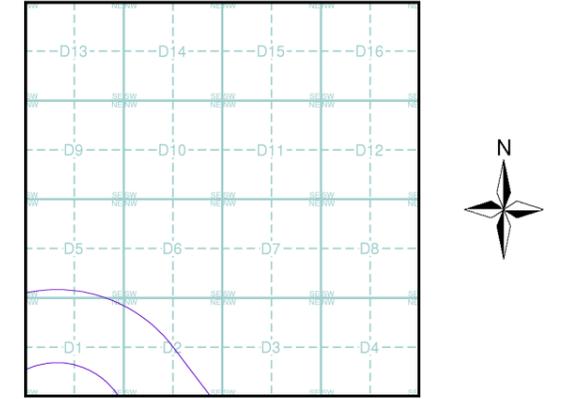
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Historical Map - Slice D



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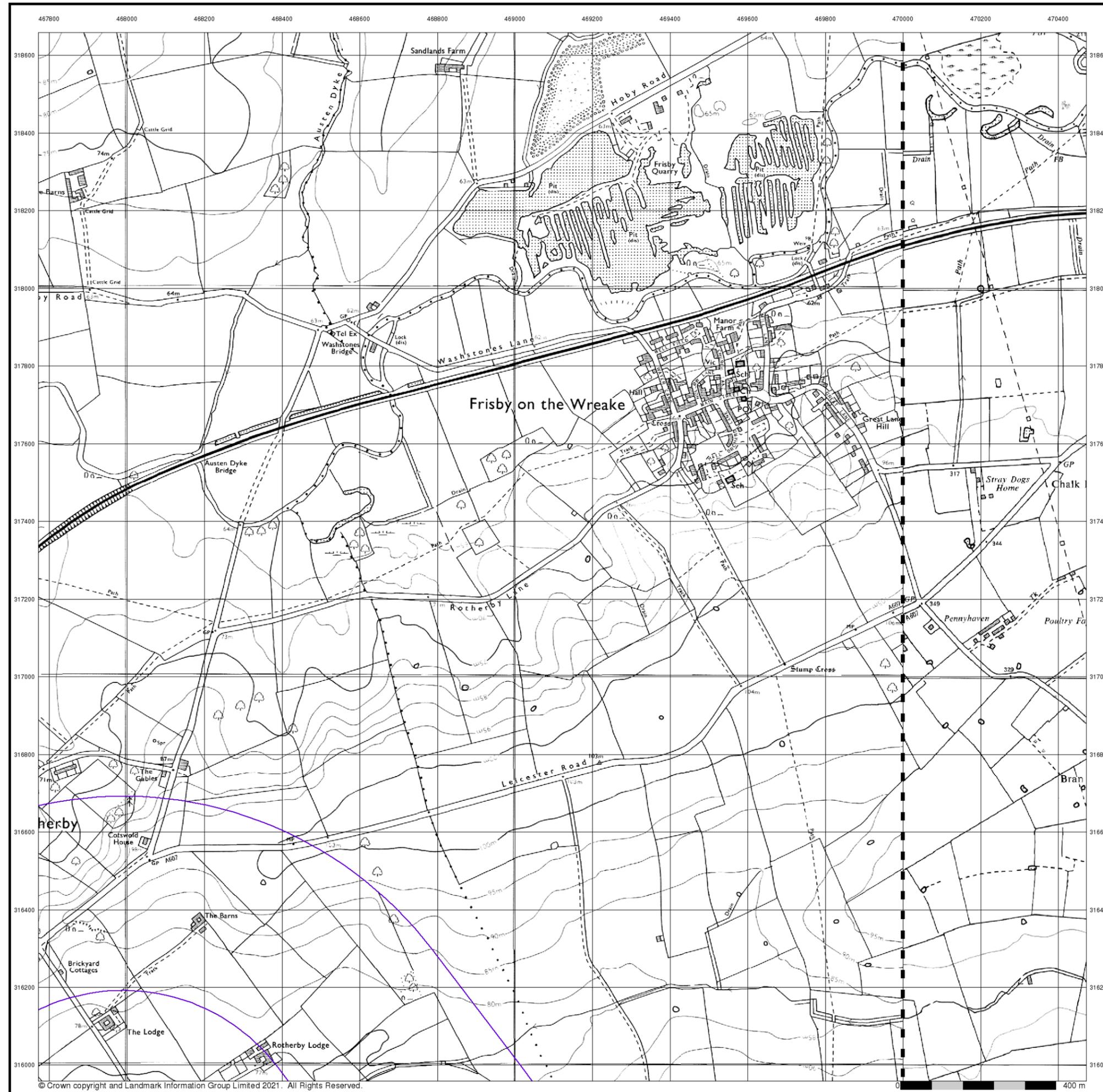
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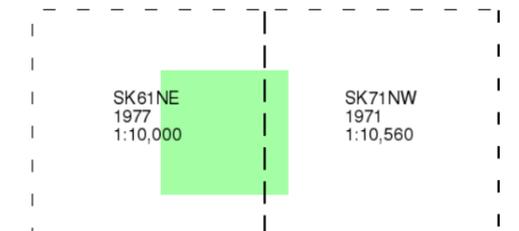
Ordnance Survey Plan

Published 1971 - 1977

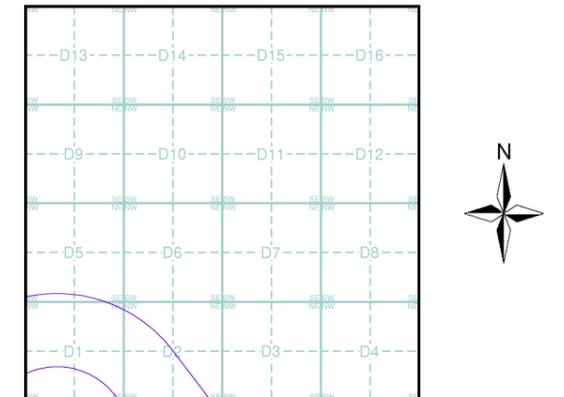
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Historical Map - Slice D

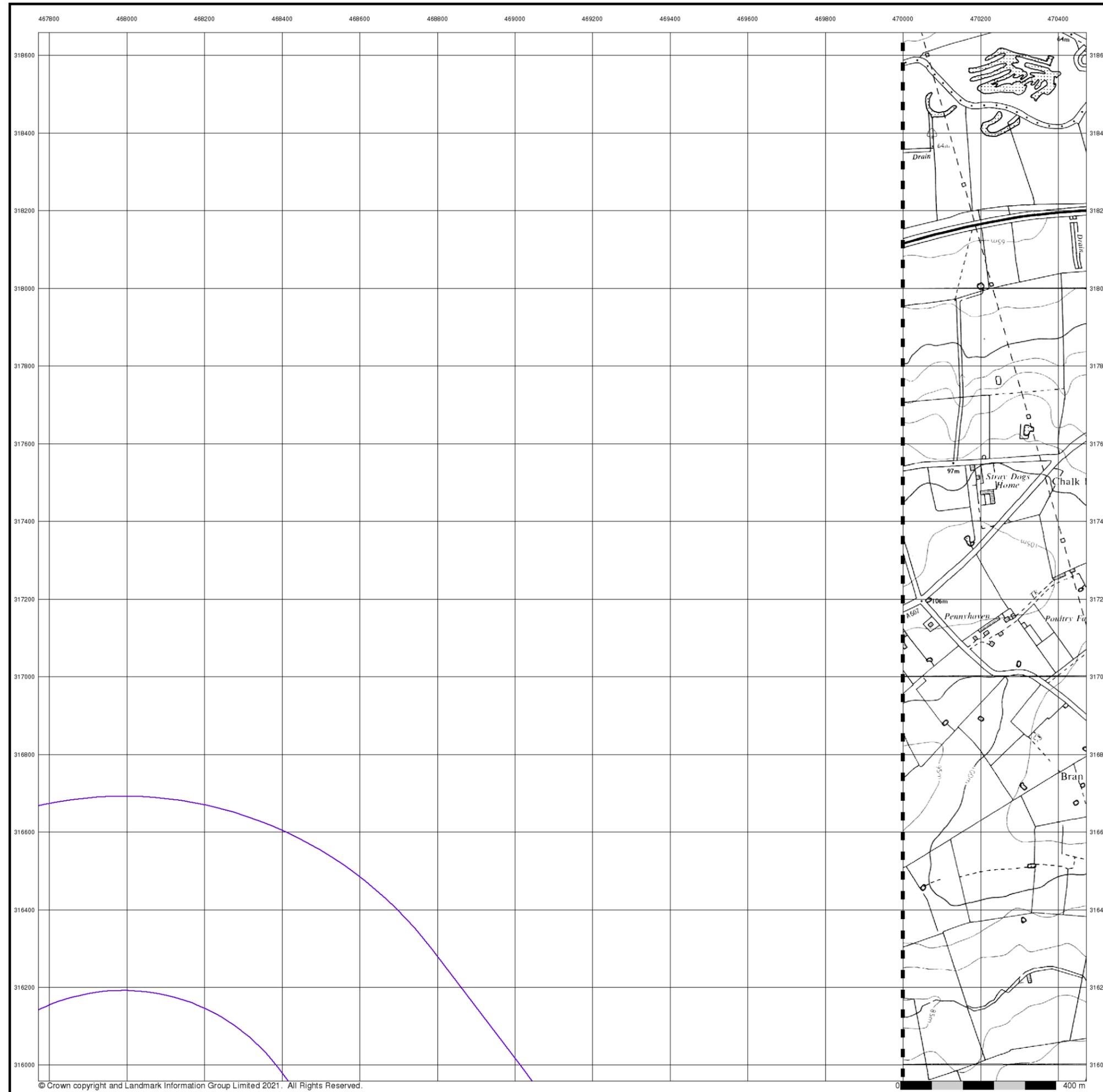


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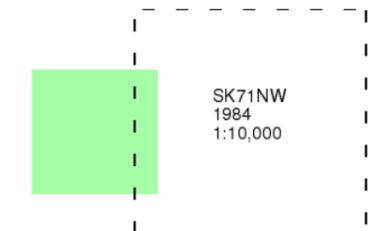
Ordnance Survey Plan

Published 1984

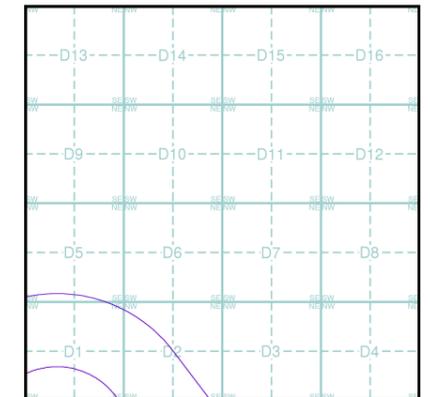
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Historical Map - Slice D

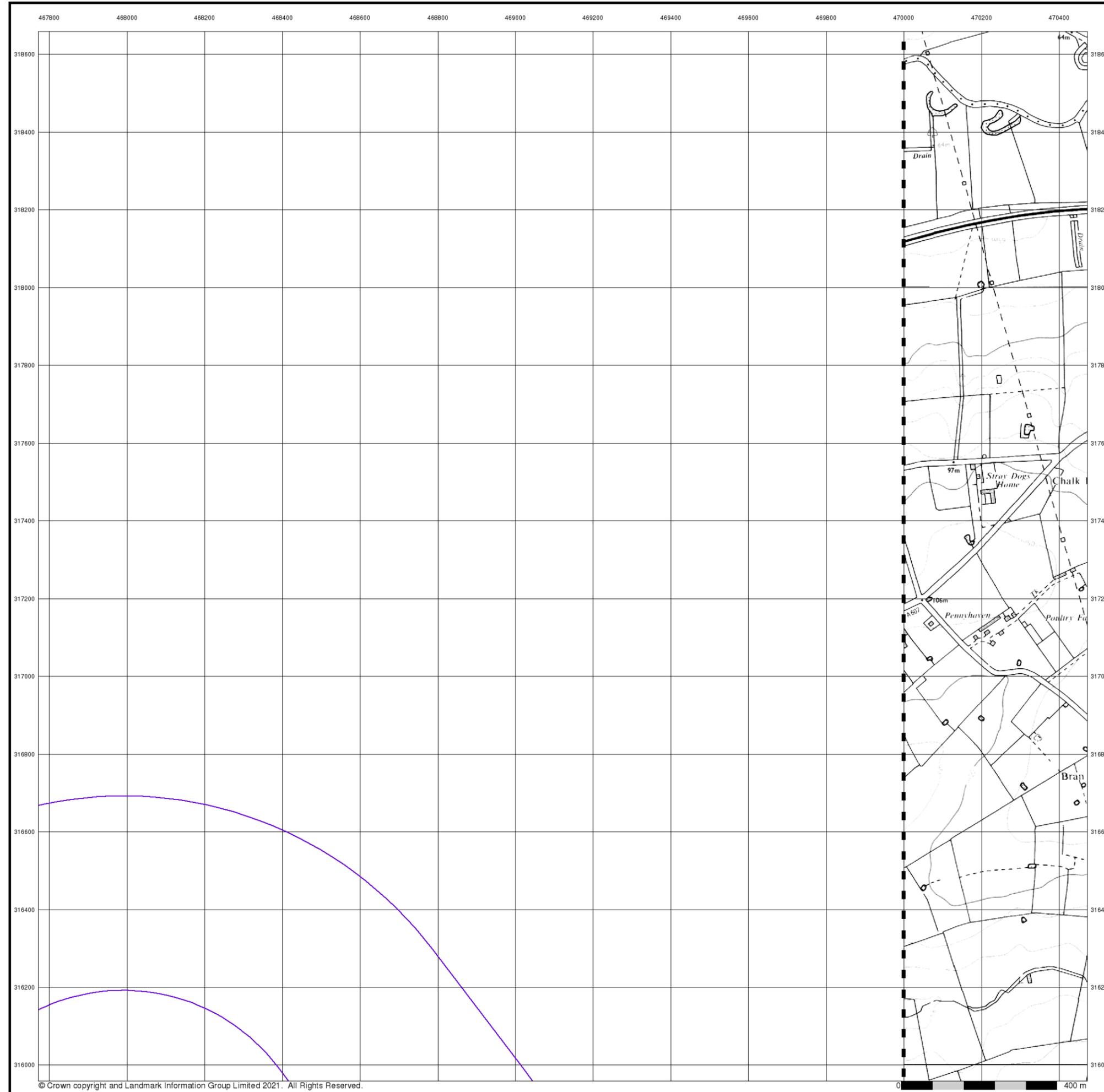


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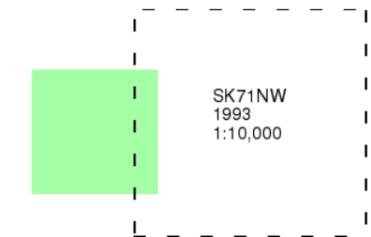
Ordnance Survey Plan

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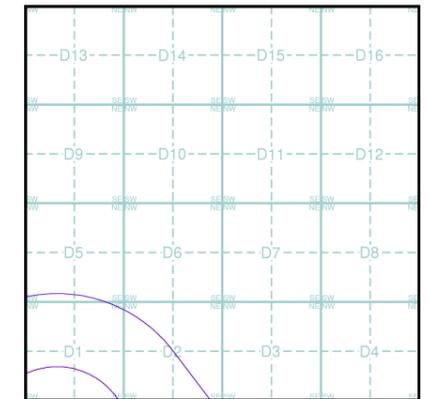
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. 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 D



Order Details

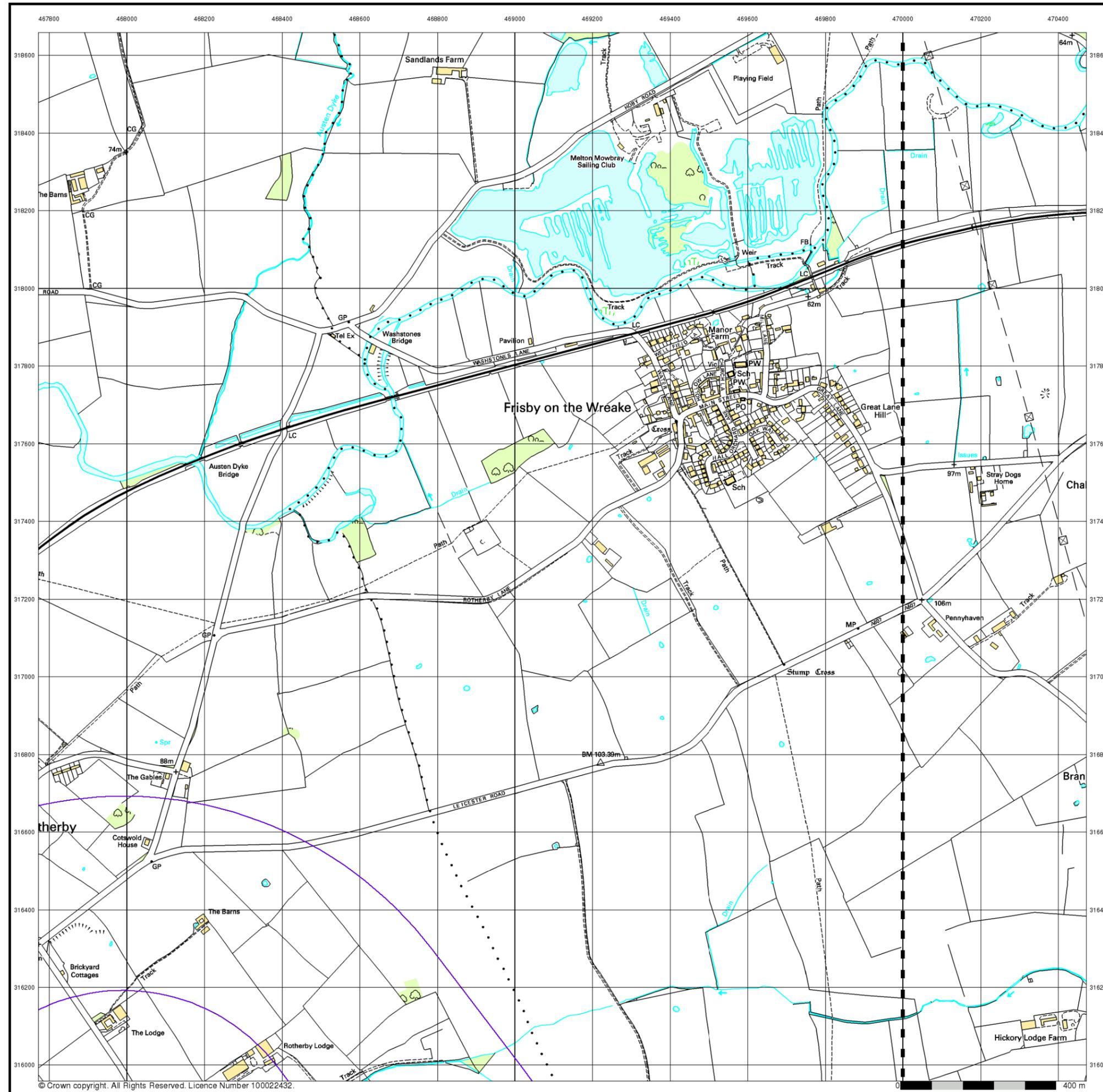
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 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468270, 316270
 Slice: D
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire

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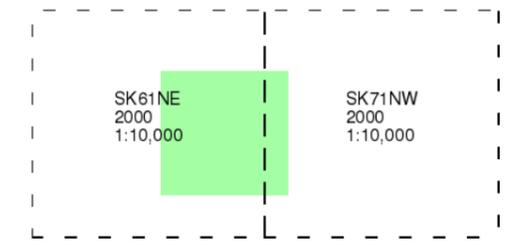
10k Raster Mapping

Published 2000

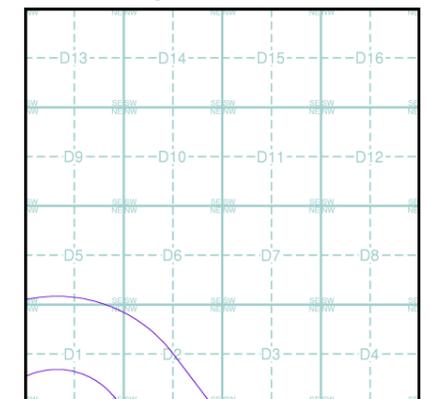
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice D



Order Details

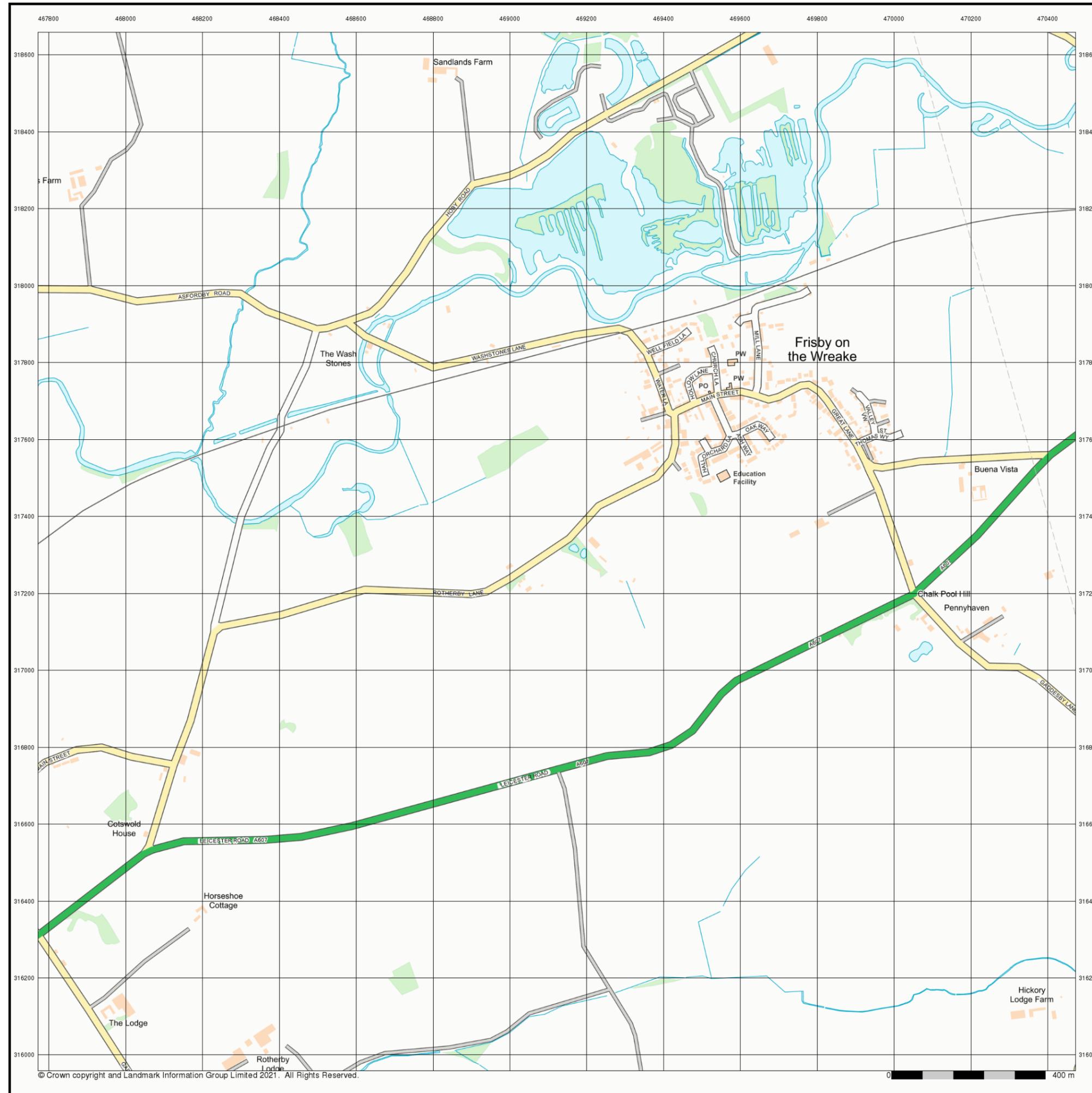
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 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468270, 316270
 Slice: D
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

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Street View

Published 2021

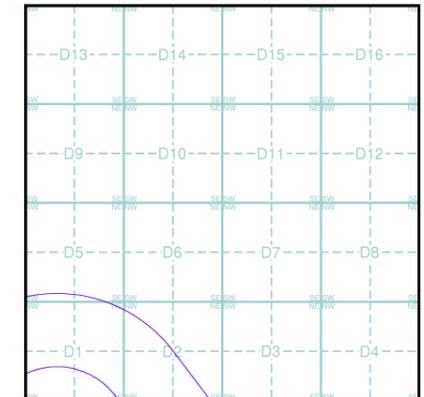
Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)



Street View Map - Slice D



Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468270, 316270
 Slice: D
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

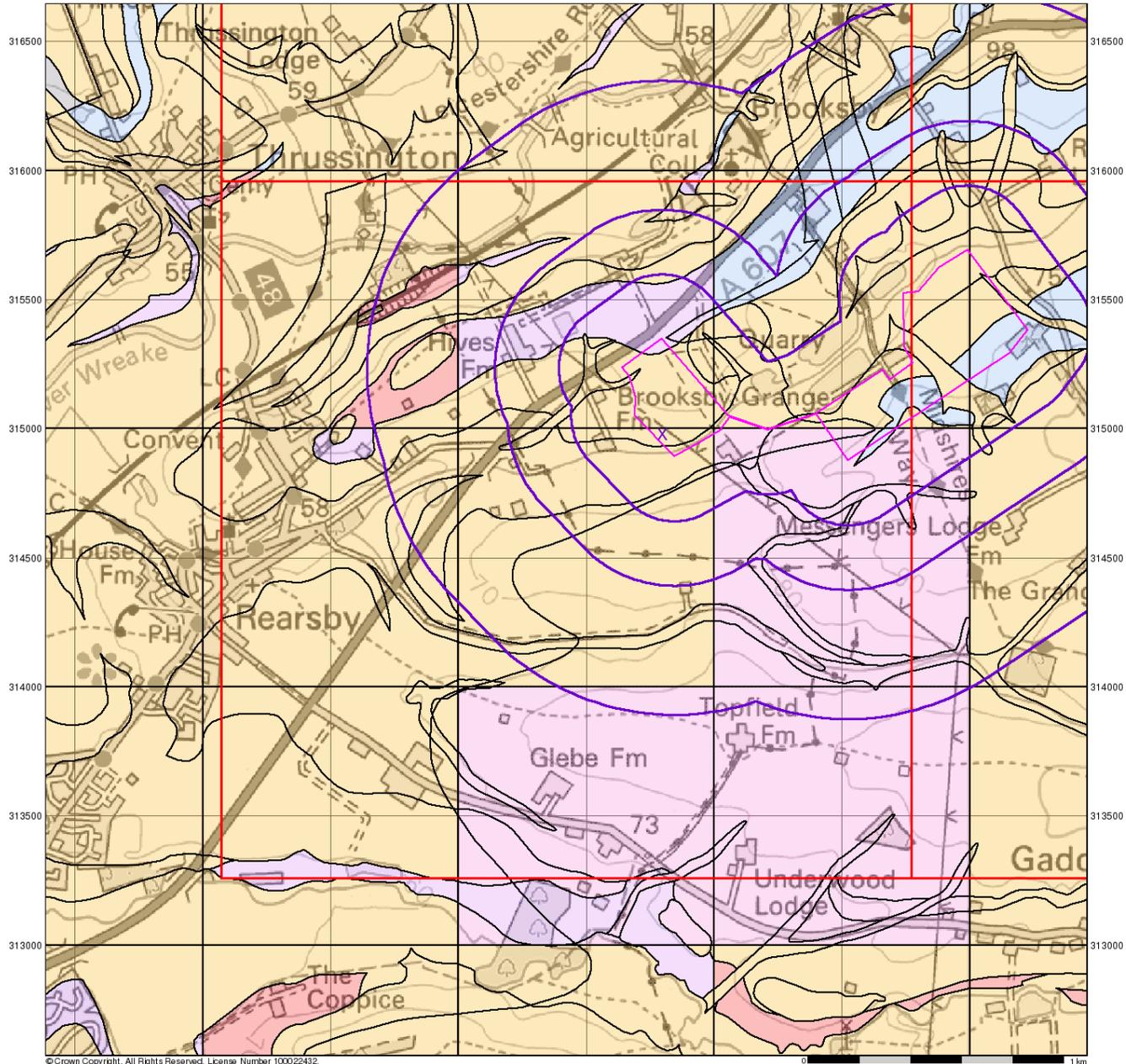
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464500 465000 465500 466000 466500 467000 467500 468000



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0 1 km

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Groundwater Vulnerability

General

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

Agency and Hydrological

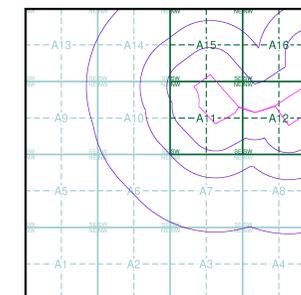
Bedrock Aquifers

- 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: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

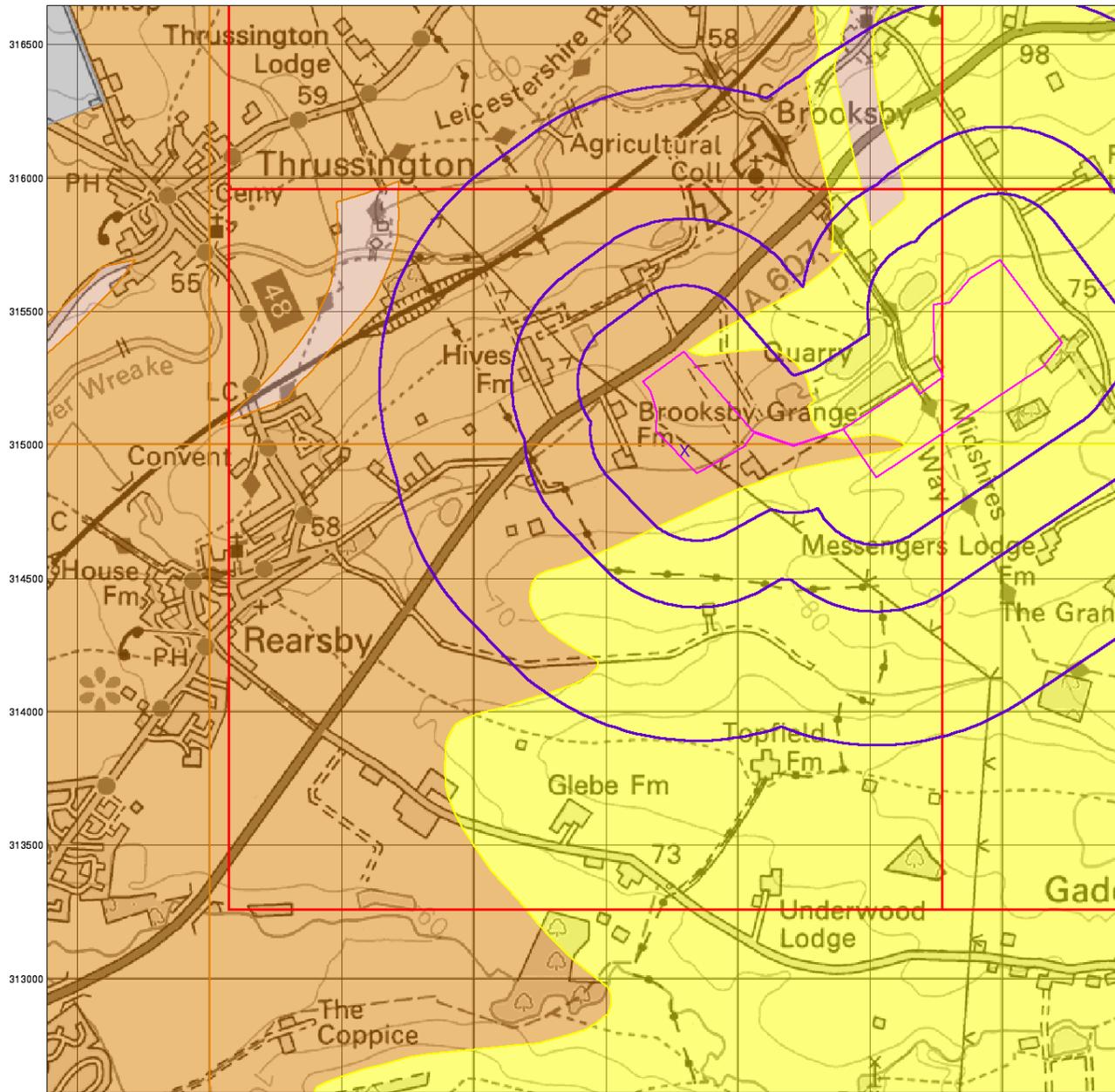
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Bedrock Aquifer Designation

General

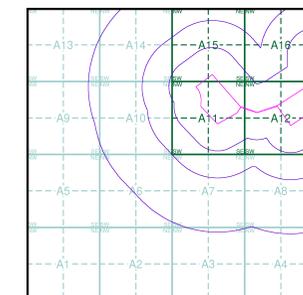
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
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 Search Buffer (m): 1000

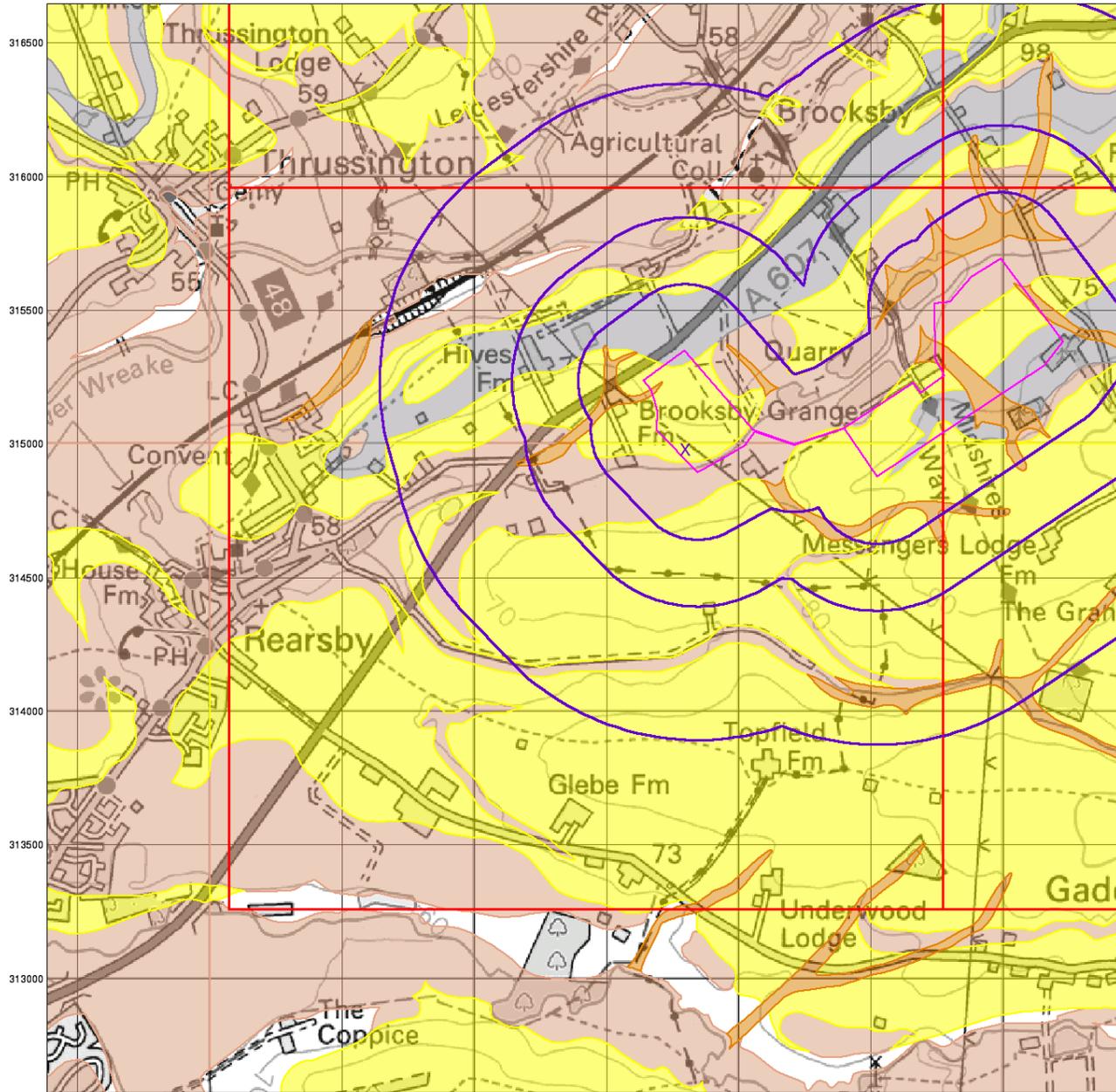
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Superficial Aquifer Designation

General

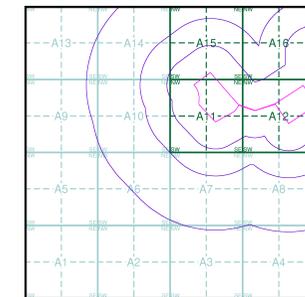
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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

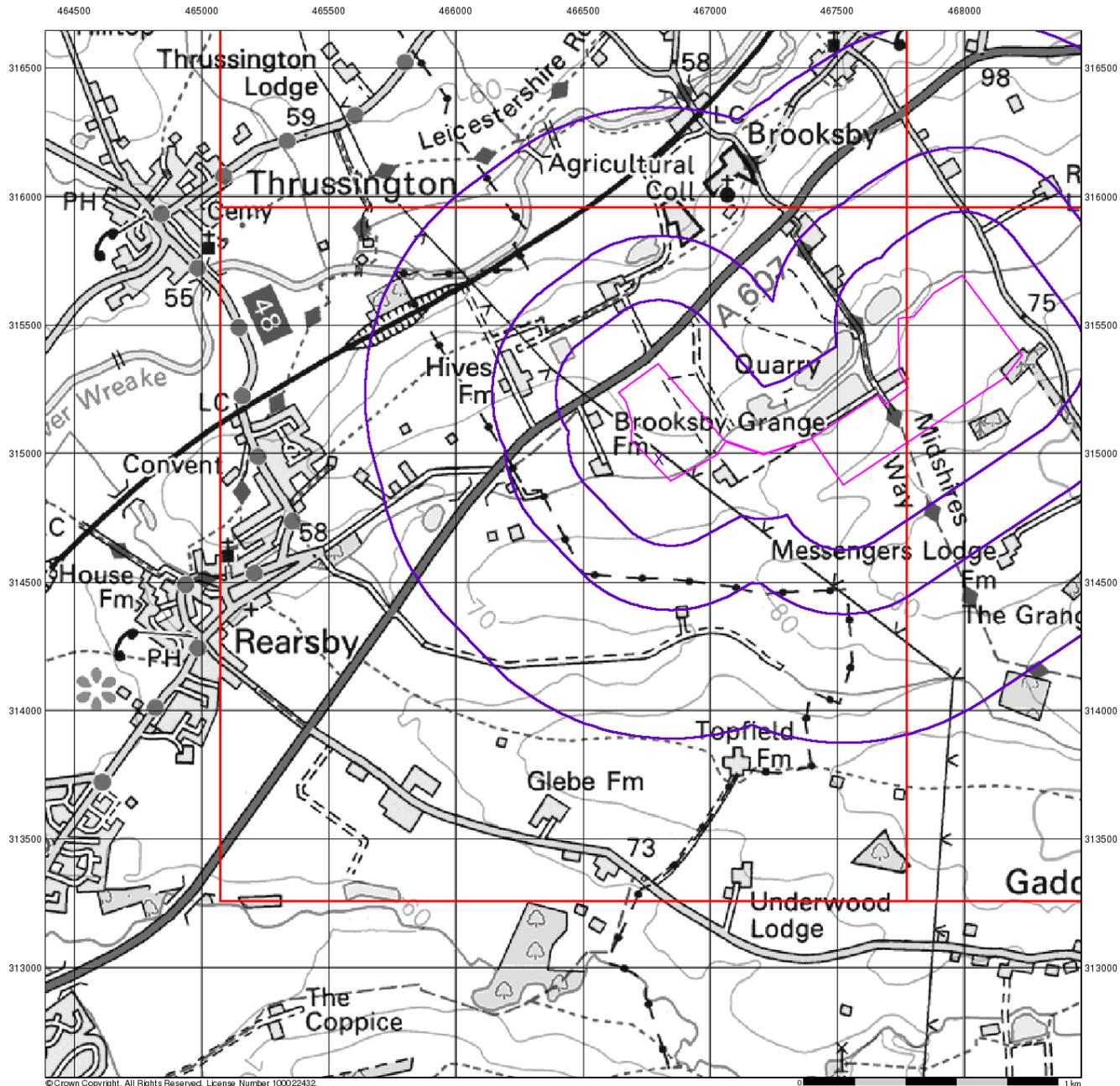
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 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

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Source Protection Zones

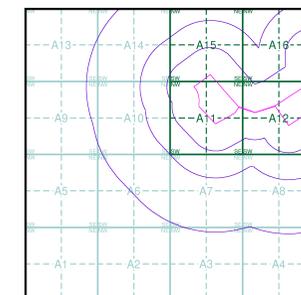
General

- 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

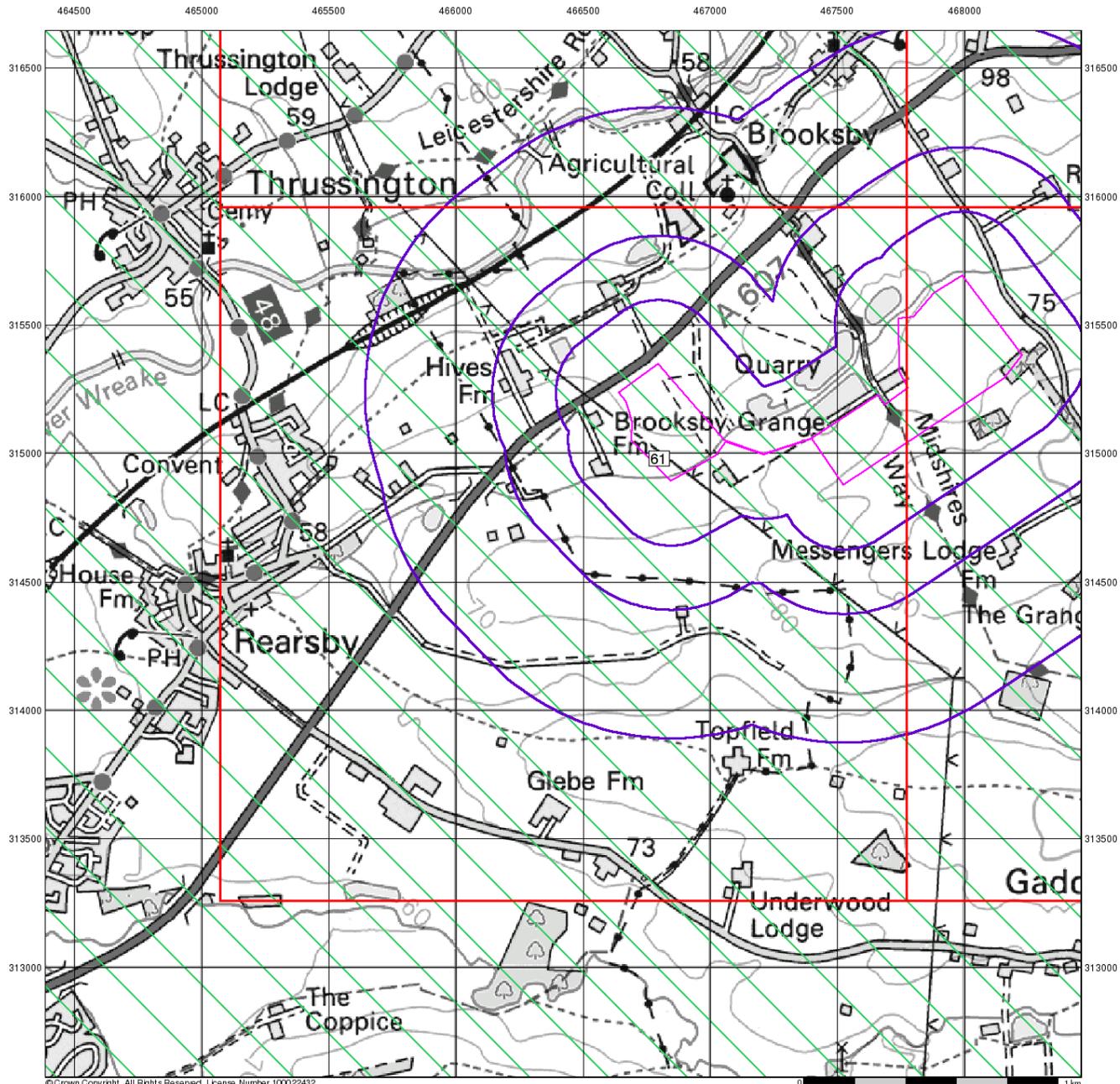
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 Customer Ref: TAR/BRO/AKM/5654/01
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 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

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Sensitive Land Uses

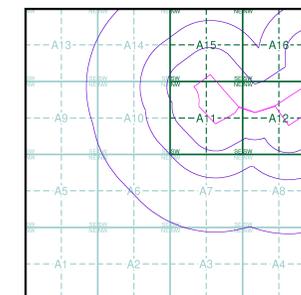
General

-  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
-  Marine 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

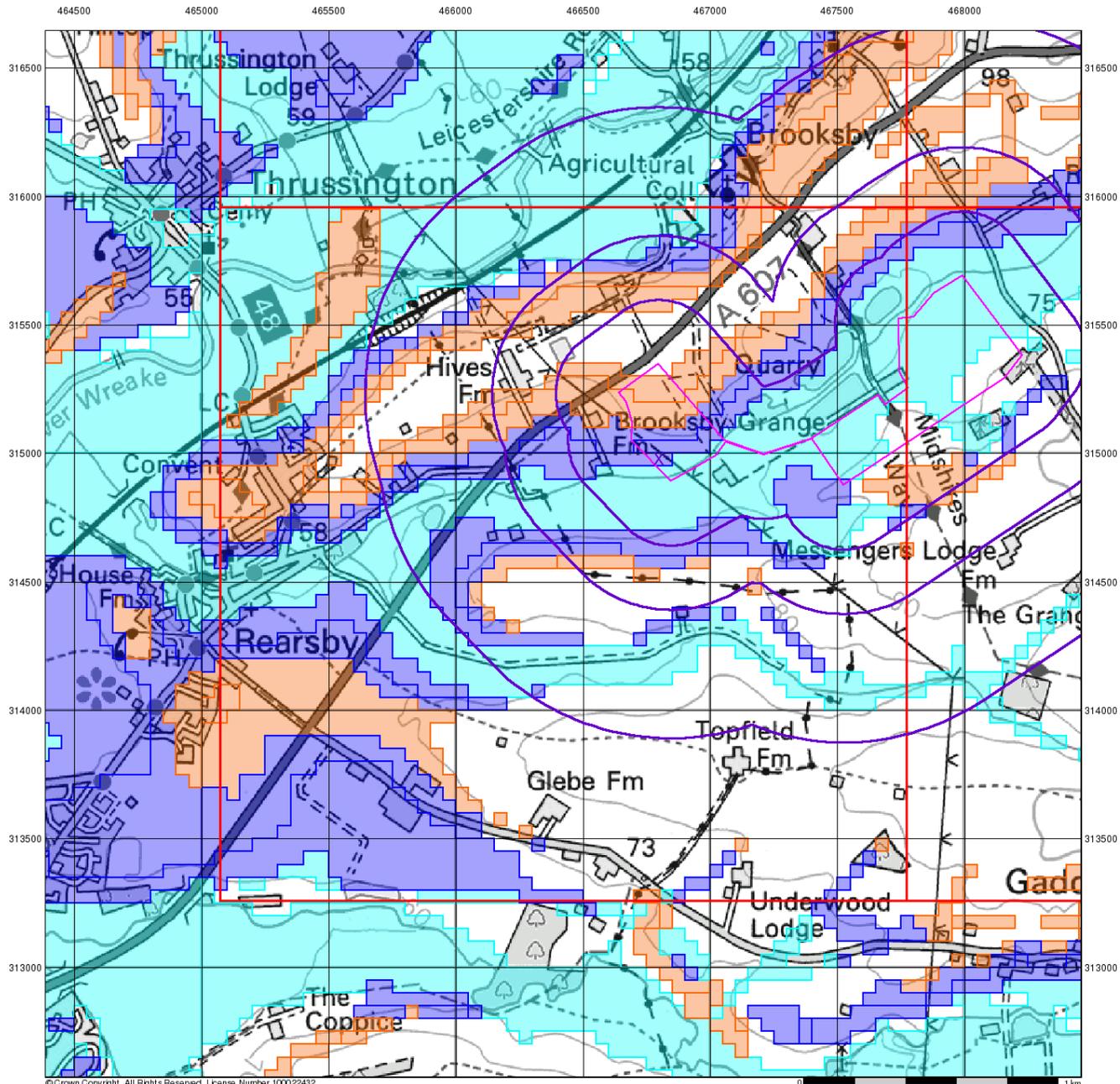
Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

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BGS Flood GFS Data

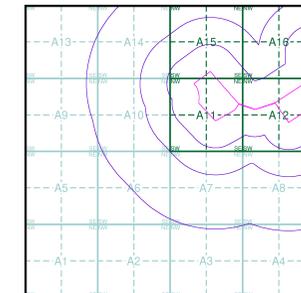
General

- 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: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire

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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

282769965_1_1

Customer Reference:

TAR/BRO/AKM/5654/01

National Grid Reference:

466800, 314980

Slice:

A

Site Area (Ha):

35.96

Search Buffer (m):

1000

Site Details:

Site at

Brooksby Grange Fm

Leicestershire

Client Details:

Ms J Amphlett

MJCA

Baddesley Collier Offices

Main Road

Baxterley

Atherstone

Warwickshire

CV9 2LE

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	22
Hazardous Substances	-
Geological	23
Industrial Land Use	28
Sensitive Land Use	29
Data Currency	30
Data Suppliers	34
Useful Contacts	35

Introduction

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 3		2	1	
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
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 4	Yes			
Pollution Incidents to Controlled Waters	pg 4			1	
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 4				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 4		8	2	2 (*6)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 9	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 15	3	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 15	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 15	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 16	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 16	Yes		n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 16	2	9	4	27

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					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 22	1			
Licensed Waste Management Facilities (Locations)	pg 22		1	1	
Local Authority Landfill Coverage	pg 22	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
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					
Geological					
BGS 1:625,000 Solid Geology	pg 23	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 23		4	1	
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 24	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 24	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 24		Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 25	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 25	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 26	Yes	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

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 28				3
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 29	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: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NE (N)	0	1	466798 315000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SW (E)	0	1	467250 314900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NE (N)	0	1	466798 315100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NE (N)	0	1	466798 315050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NE (NW)	0	1	466798 314980
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NE (N)	0	1	466798 315200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A11NE (E)	0	1	467000 315000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A11NE (S)	0	1	466798 314950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (E)	22	1	467600 314900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(E)	30	1	468250 315400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(E)	74	1	468150 315150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	101	1	468250 315200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	102	1	468200 315150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	109	1	468300 315250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	116	1	468150 315000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NW (W)	140	1	466550 315000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	159	1	468000 314980
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(E)	174	1	468400 315350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SE (SE)	176	1	466950 314750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16NE (NE)	183	1	467750 315850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (E)	188	1	467750 314800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (E)	202	1	467700 314750

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	A15SE (N)	203	1	466798 315550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16NE (NE)	220	1	467650 315800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SE (NE)	226	1	467450 315600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	228	1	468050 314950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	241	1	468150 314980
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10NE (NW)	243	1	466400 315250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16NE (NE)	244	1	467600 315750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16NE (NE)	252	1	467450 315700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	256	1	468100 314950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	265	1	468050 315950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SE (SE)	265	1	466950 314650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SW (NE)	271	1	467200 315350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SE)	286	1	467300 314600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SW (NE)	291	1	467400 315500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NE (S)	292	1	466798 314600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16SW (NE)	297	1	467100 315450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NE (S)	298	1	466900 314600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16SW (NE)	301	1	467400 315600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15NE (N)	303	1	466798 315650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SW (SW)	310	1	466650 314650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (E)	313	1	467750 314650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16NE (NE)	320	1	467600 315900

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	A7NW (S)	326	1	466700 314600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10NE (NW)	342	1	466300 315200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NE (S)	345	1	466798 314550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NE (N)	353	1	466798 315700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16NE (NE)	356	1	467550 315850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SE)	356	1	467250 314600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NE (N)	357	1	466850 315700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16SW (NE)	405	1	467200 315500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A15NW (N)	405	1	466750 315750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	413	1	468050 316100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SE)	446	1	467150 314550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NW (SW)	451	1	466500 314600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NE (N)	452	1	467000 315750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	486	1	468150 316150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NW (NW)	489	1	466450 315700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NE (S)	492	1	466850 314400
1	Discharge Consents Operator: Tarmac Aggregates Limited Property Type: MINERAL/GRAVEL EXTRACTION/QUARRYING Location: Brooksby Quarry Melton Road, Rearsby, Leicester, Leicestershire Authority: Environment Agency, Midlands Region Catchment Area: Lower Wreake Catchment Reference: T/55/46030/T Permit Version: 1 Effective Date: 1st June 2005 Issued Date: 7th December 2004 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Mineral Workings Discharge: Freshwater Stream/River Environment: Receiving Water: Rearsby Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A11SW (SW)	84	2	466720 314900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p>Discharge Consents</p> <p>Operator: Mrs A White Principal And Chief Executive Property Type: FISH + AQUACULTURE/FISH FARM/CRESS FARM Location: Hives Farm Te, Melton Road, Brooksby, Leicestershire, Le7 4ys Authority: Environment Agency, Midlands Region Catchment Area: Lower Wreake Catchment Reference: T/55/46218/T Permit Version: 1 Effective Date: 13th February 2006 Issued Date: 13th February 2006 Revocation Date: 10th June 2013 Discharge Type: Discharge Of Other Matter-Fish Farm Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib Of Rearsby Brook Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A11NW (NW)	186	2	466460 315199
3	<p>Discharge Consents</p> <p>Operator: Brooksby Melton College Property Type: EDUCATION/NURSERY/SCHOOL/COLLEGE/UNI/TRAINING VENUE Location: Animal Care Teaching Block Hives Farm, Melton Road, Rearsby, Leicester, Le7 4ys Authority: Environment Agency, Midlands Region Catchment Area: Not Supplied Reference: Eprjp3627gp Permit Version: 1 Effective Date: 1st September 2011 Issued Date: 30th June 2011 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of River Wreake Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A14SE (NW)	466	2	466221 315434
	<p>Nearest Surface Water Feature</p>	A11SE (S)	0	-	466803 314900
4	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Schools/Universities Location: Brooksby College, MELTON MOWBRAY Authority: Environment Agency, Midlands Region Pollutant: Oils - Diesel (Including Agricultural) Note: Tractor Diesel Tank Vandalised -750G To Ditch; Amenity Effected Incident Date: 15th April 1997 Incident Reference: 2802353 Catchment Area: Trent Catchment : Lower Wreak Receiving Water: Watercourse Cause of Incident: Vandalism Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A16NW (NE)	452	2	467350 315750
	<p>River Quality</p> <p>Name: Wreake R GQA Grade: River Quality B Reach: Fb Nr. Gables Fm To Queniborough Bk Estimated Distance (km): 8 Flow Rate: Flow less than 2.5 cumecs Flow Type: River Year: 2000</p>	A14NE (NW)	694	2	466117 315688
5	<p>Water Abstractions</p> <p>Operator: Tarmac Aggregates Limited Licence Number: Md/028/0055/001 Permit Version: 5 Location: Catchpit At Brooksby Quarry Authority: Environment Agency, Midlands Region Abstraction: Mineral Products: Mineral Washing 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 October 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NW (E)	30	2	467400 315095

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<p>Water Abstractions</p> <p>Operator: Lafarge Aggregates Limited Licence Number: Md/028/0055/001 Permit Version: 4 Location: Catchpit At Brooksby Quarry Authority: Environment Agency, Midlands Region Abstraction: Mineral Products: Mineral Washing 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: 10th June 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NW (E)	30	2	467400 315095
5	<p>Water Abstractions</p> <p>Operator: Lafarge Aggregates Limited Licence Number: Md/028/0055/001 Permit Version: 3 Location: Catchpit At Brooksby Quarry Authority: Environment Agency, Midlands Region Abstraction: Mineral Products: 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 September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NW (E)	30	2	467400 315095
5	<p>Water Abstractions</p> <p>Operator: Lafarge Aggregates Limited Licence Number: Md/028/0055/001 Permit Version: 3 Location: Catchpit At Brooksby Quarry Authority: Environment Agency, Midlands Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Brooksby Quarry Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 26th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NW (E)	30	2	467400 315095
5	<p>Water Abstractions</p> <p>Operator: Lafarge Aggregates Limited Licence Number: Md/028/0055/001 Permit Version: 2 Location: Catchpit At Brooksby Quarry Authority: Environment Agency, Midlands Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Brooksby Quarry Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 14th May 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NW (E)	30	2	467400 315095

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<p>Water Abstractions</p> <p>Operator: Lafarge Aggregates Limited Licence Number: Md/028/0055/001 Permit Version: 2 Location: Catchpit At Brooksby Quarry Authority: Environment Agency, Midlands Region Abstraction: Mineral Products: 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: 14th May 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NW (E)	30	2	467400 315095
5	<p>Water Abstractions</p> <p>Operator: Lafarge Aggregates Limited Licence Number: Md/028/0055/001 Permit Version: 1 Location: Catchpit At Brooksby Quarry Authority: Environment Agency, Midlands Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Brooksby Quarry Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 21st January 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NW (E)	30	2	467400 315095
5	<p>Water Abstractions</p> <p>Operator: Lafarge Aggregates Limited Licence Number: Md/028/0055/001 Permit Version: 1 Location: Catchpit At Brooksby Quarry Authority: Environment Agency, Midlands Region Abstraction: Mineral Products: 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: 21st January 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NW (E)	30	2	467400 315095
6	<p>Water Abstractions</p> <p>Operator: Brooksby Melton College Licence Number: 03/28/55/0101 Permit Version: 1 Location: Brooksby, Leicestershire - Borehole Authority: Environment Agency, Midlands Region Abstraction: Schools and Colleges: Fish Farm/Cress Pond Throughflow 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 Brooksby, Leicestershire Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A14SE (NW)	349	2	466300 315300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<p>Water Abstractions</p> <p>Operator: The Principal Licence Number: 03/28/55/0030 Permit Version: Not Supplied Location: Brooksby Agricultural College Authority: Environment Agency, Midlands Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Unknown Daily Rate (m3): 9 Yearly Rate (m3): 2819 Details: Status: Revoked; Lapsed Or Cancelled 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</p>	A14SE (NW)	409	2	466250 315350
8	<p>Water Abstractions</p> <p>Operator: Mr G K Friend Licence Number: 03/28/55/0071 Permit Version: 100 Location: 1870 Melton Road - Well Authority: Environment Agency, Midlands Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: 1870 Melton Road Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A10NW (W)	779	2	465900 315000
9	<p>Water Abstractions</p> <p>Operator: Brooksby Agricultural College Licence Number: 03/28/55/0093 Permit Version: 100 Location: Brooksby Agricultural College - River Wreake Authority: Environment Agency, Midlands Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Brooksby Agricultural College Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 3rd April 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A14NW (NW)	828	2	465920 315640
	<p>Water Abstractions</p> <p>Operator: P B Palmer & Son Licence Number: 03/28/55/0062 Permit Version: 100 Location: Land At Rearsby - River Wreake Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Rearsby - River Wreake Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 28th May 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A13SW (NW)	1295	2	465400 315600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: J N Holmes & Son Licence Number: 03/28/55/0076 Permit Version: 100 Location: Land At Thrussington, Leics - River Wreake Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Thrussington, Leics - Rearsby Brk Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 3rd December 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A13NW (NW)	1516	2	465200 315700
	<p>Water Abstractions</p> <p>Operator: P B Palmer & Son Licence Number: 03/28/55/0086 Permit Version: 100 Location: Manor Farm - Well A Authority: Environment Agency, Midlands Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Manor Farm Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1692	2	465060 314600
	<p>Water Abstractions</p> <p>Operator: P B Palmer & Son Licence Number: 03/28/55/0089 Permit Version: 100 Location: Manor Farm, Rearsby - Lagoon Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: 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: Manor Farm, Rearsby - Lagoon Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 16th March 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(W)	1917	2	464790 314740
	<p>Water Abstractions</p> <p>Operator: P B Palmer & Son Licence Number: 03/28/55/0087 Permit Version: 100 Location: Reservoir (Aerodrome) - Gaddesby Brook Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Reservoir (Aerodrome) - Gaddesby Brook Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 28th May 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(SW)	1990	2	465750 313230

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Mr N.J Pick Licence Number: 03/28/55/0034 Permit Version: 100 Location: Rearsby House Farm - Well Authority: Environment Agency, Midlands Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Rearsby House Farm Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(W)	1999	2	464800 314400
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High</p>	(NE)	0	3	468000 315553
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: High</p>	A11NE (E)	0	3	466985 315000
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High</p>	A12NW (E)	0	3	467274 315117

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	A11NE (E)	0	3	467000 315000
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability</p> <p>Combined Vulnerability: Low</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer</p> <p>Pollutant Speed: Low</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: 40-70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: 3-10m</p> <p>Superficial Recharge: Low</p>	A12SE (E)	0	3	467549 314855
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability</p> <p>Combined Vulnerability: Low</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	A12NE (E)	0	3	467645 315084
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability</p> <p>Combined Vulnerability: Low</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	(E)	0	3	467922 315243

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: High</p>	A15SE (N)	0	3	466774 315288
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High</p>	(E)	0	3	468000 315178
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: High</p>	A11NE (NW)	0	3	466798 314980
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: Low</p>	A12SW (E)	0	3	467172 314878

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: 3-10m</p> <p>Superficial Recharge: High</p>	A11NE (N)	0	3	466798 315000
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	A12NW (E)	0	3	467320 315045
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	A12NE (E)	0	3	467714 315000
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	A16SE (E)	0	3	467666 315298

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability</p> <p>Combined Vulnerability: Medium</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Low</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: 40-70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: 3-10m</p> <p>Superficial Recharge: Low</p>	A12SW (E)	0	3	467176 314893
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: 3-10m</p> <p>Superficial Recharge: High</p>	A11NW (NW)	0	3	466660 315171
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	A16SE (E)	0	3	467759 315377
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	A11NE (E)	0	3	467000 315016

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	A12NW (E)	0	3	467232 315000
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	(E)	0	3	468000 315312
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	(NE)	0	3	468041 315598
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: 3-10m</p> <p>Superficial Recharge: High</p>	A11SE (S)	0	3	466800 314932

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: Low	A11NE (E)	0	3	467000 314980
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	A11NE (E)	0	3	467000 315000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	A11NE (NW)	0	3	466798 314980
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	A11NE (E)	0	3	467000 314980
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	A11NE (NW)	0	3	466798 314980
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	A11NE (N)	0	3	466798 315000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A11SE (SE)	0	3	466895 314784
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A15SE (N)	0	3	466856 315336
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - B	A11NW (NW)	0	3	466660 315171
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - B	A16SE (E)	0	3	467666 315298
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - B	(NE)	0	3	468041 315598
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A12SW (E)	0	3	467172 314878
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A12NW (E)	0	3	467232 315000
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A12NE (E)	0	3	467714 315000
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A16SE (E)	0	3	467759 315377
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A11NE (NW)	0	3	466798 314980
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A11NE (N)	0	3	466798 315000
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A15SE (N)	0	3	466774 315288
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A12SE (E)	0	3	467549 314855

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A12NE (E)	0	3	467645 315084
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	(E)	0	3	467922 315243
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A11NE (E)	0	3	466985 315000
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A11SE (S)	0	3	466800 314932
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A11SE (S)	0	2	466800 314905
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A11SE (S)	0	2	466798 314900
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
10	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 142.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A11SE (S)	0	4	466802 314899
11	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 302.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A11SE (SE)	0	4	466868 314903
12	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A11SE (SE)	1	4	466865 314903
13	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 894.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12NW (E)	6	4	467356 315160
14	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12NW (E)	43	4	467106 315079

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 217.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12NW (E)	53	4	467119 315085
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A11SW (SW)	83	4	466722 314898
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 382.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A11SW (SW)	86	4	466718 314899
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12NW (E)	99	4	467321 315137
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12NW (E)	99	4	467325 315139
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A12NW (E)	106	4	467344 315152
21	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 78.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A15NW (N)	399	4	466692 315734
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 213.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A15NW (N)	400	4	466692 315734
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A10SE (W)	409	4	466353 314820

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 252.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A10SE (W)	413	4	466349 314819
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 516.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A15NW (N)	521	4	466481 315765
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 162.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A15NW (N)	523	4	466479 315763
27	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 70.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14NE (NW)	592	4	466320 315732
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1555.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A7NE (S)	603	4	466956 314300
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 112.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14NE (NW)	617	4	466257 315717
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A10SE (W)	620	4	466104 314851
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14NE (NW)	649	4	466157 315666
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 106.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A10SW (W)	664	4	466058 314848

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 796.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Wreake Catchment Name: Trent Primacy: 1	A14NE (NW)	665	4	466248 315770
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 220.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14NW (NW)	709	4	466071 315655
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A10SW (W)	765	4	465957 314832
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 140.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A10SW (W)	769	4	465954 314831
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A7SW (S)	792	4	466498 314181
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 617.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A7SW (S)	794	4	466491 314180
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 163.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A14SW (NW)	850	4	465857 315560
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A10SW (W)	870	4	465867 314771
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Wreake Catchment Name: Trent Primacy: 1	A14NW (NW)	893	4	465871 315686

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Wreake Catchment Name: Trent Primacy: 2	A14NW (NW)	895	4	465876 315698
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 586.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	(NW)	897	4	466163 315995
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 93.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Wreake Catchment Name: Trent Primacy: 1	A14NW (NW)	899	4	465857 315672
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A10SW (W)	909	4	465823 314779
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Old Canal Catchment Name: Trent Primacy: 2	A14NW (NW)	929	4	465845 315711
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 213.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Wreake Catchment Name: Trent Primacy: 2	A14NW (NW)	929	4	465845 315711
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A10SW (W)	932	4	465801 314770
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 212.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Old Canal Catchment Name: Trent Primacy: 2	A14NW (NW)	932	4	465841 315711
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 94.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	A10SW (W)	939	4	465795 314768

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 134.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Wreake Catchment Name: Trent Primacy: 1	A14NW (NW)	987	4	465772 315700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	<p>Licensed Waste Management Facilities (Landfill Boundaries)</p> <p>Name: Brooksby Quarry Licence Number: 402107 Location: Brooksby Quarry, Melton Road, Brooksby, Melton Mowbray, Leicestershire, LE14 2LJ Licence Holder: Tarmac Trading Limited Authority: Environment Agency - Midlands Region, East Area Site Category: Inert LF Max Input Rate: Not Supplied Licence Status: Issued Issued: 20th January 2019 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied</p>	A11NE (NE)	0	2	467063 315156
53	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 102316 Location: Brooksby Quarry, Melton Road, Brooksby, Leicester, Leicestershire, LE14 2LJ Operator Name: Tarmac Aggregates Limited Operator Location: Not Supplied Authority: Environment Agency - Midlands Region, East Area Site Category: Management of inert or extractive waste at mine Licence Status: Modified Issued: 2nd February 2011 Last Modified: 8th January 2016 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12NE (E)	53	2	467492 315182
54	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 402107 Location: Brooksby Quarry, Melton Road, Brooksby, Melton Mowbray, Leicestershire, LE14 2LJ Operator Name: Tarmac Trading Limited Operator Location: Not Supplied Authority: Environment Agency - Midlands Region, East Area Site Category: Inert LF Licence Status: Issued Issued: 20th January 2019 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A16SW (NE)	308	2	467220 315330
	<p>Local Authority Landfill Coverage</p> <p>Name: Leicestershire County Council - Has supplied landfill data</p>		0	6	466798 314980
	<p>Local Authority Landfill Coverage</p> <p>Name: Melton Borough Council - Landfill data has been supplied by another authority</p>		0	5	466798 314980
	<p>Local Authority Landfill Coverage</p> <p>Name: Charnwood Borough Council - Has no landfill data to supply</p>		376	7	466838 314514

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Lias Group	A11NE (NW)	0	1	466798 314980
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	A11NW (W)	0	1	466647 315018
55	BGS Recorded Mineral Sites Site Name: Brooksby Quarry Plant Area Location: Brooksby, Melton Mowbray, Leicestershire Source: British Geological Survey, National Geoscience Information Service Reference: 13635 Type: Opencast Status: Dormant Operator: Tarmac (A Crh Company) Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Mid Pleistocene Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A12NW (E)	46	1	467225 315050
56	BGS Recorded Mineral Sites Site Name: Brooksby Quarry Location: Brooksby, Melton Mowbray, Leicestershire Source: British Geological Survey, National Geoscience Information Service Reference: 221934 Type: Opencast Status: Ceased Operator: Tarmac (A Crh Company) Operator Location: Not Supplied Periodic Type: Cromerian - Ipswichian Geology: Glaciofluvial Deposits, Mid Pleistocene Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A12NE (E)	55	1	467500 315190
57	BGS Recorded Mineral Sites Site Name: Brooksby Quarry Location: Brooksby, Melton Mowbray, Leicestershire Source: British Geological Survey, National Geoscience Information Service Reference: 221935 Type: Opencast Status: Ceased Operator: Tarmac (A Crh Company) Operator Location: Not Supplied Periodic Type: Cromerian - Ipswichian Geology: Glaciofluvial Deposits, Mid Pleistocene Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A12NW (NE)	156	1	467190 315170
58	BGS Recorded Mineral Sites Site Name: Brooksby Quarry Location: Brooksby, Melton Mowbray, Leicestershire Source: British Geological Survey, National Geoscience Information Service Reference: 221936 Type: Opencast Status: Ceased Operator: Tarmac (A Crh Company) Operator Location: Not Supplied Periodic Type: Cromerian - Ipswichian Geology: Glaciofluvial Deposits, Mid Pleistocene Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A16SE (NE)	186	1	467460 315320
59	BGS Recorded Mineral Sites Site Name: Brooksby Quarry Location: Brooksby, Melton Mowbray, Leicestershire Source: British Geological Survey, National Geoscience Information Service Reference: 221937 Type: Opencast Status: Active Operator: Tarmac (A Crh Company) Operator Location: Not Supplied Periodic Type: Cromerian - Ipswichian Geology: Glaciofluvial Deposits, Mid Pleistocene Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A16SW (NE)	308	1	467150 315410
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	0	1	466660 315171
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (N)	0	1	466798 315000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	0	1	467697 315420
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12NW (E)	0	1	467232 315000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (NW)	0	1	466798 314980
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SE (S)	0	1	466869 314805
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (S)	0	1	466816 314933
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (E)	0	1	466985 315000
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11NE (E)	0	1	466985 315000
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11SE (S)	0	1	466816 314933
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (NW)	0	1	466798 314980
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (S)	0	1	466869 314805
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	0	1	466660 315171
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	0	1	467697 315420
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12NW (E)	0	1	467232 315000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (N)	0	1	466798 315000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (N)	0	1	466798 315000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (NW)	0	1	466798 314980
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A16NE (NE)	158	1	467489 315726
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	181	1	467527 315448
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12SW (SE)	219	1	467228 314770

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12SW (SE)	248	1	467136 314728
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (NW)	0	1	466798 314980
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (N)	0	1	466798 315000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11NE (E)	0	1	466985 315000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11SE (S)	0	1	466816 314933
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A15SE (N)	0	1	466774 315288
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	467645 315084
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12SE (E)	0	1	467535 314844
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	0	1	466660 315171
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A16SE (E)	0	1	467666 315298
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	0	1	467697 315420
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (N)	0	1	466798 315000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (NW)	0	1	466798 314980
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	467714 315000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12NW (E)	0	1	467232 315000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12SW (E)	0	1	467172 314878
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SE (S)	1	1	466869 314805
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	63	1	467518 315428
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15SW (NW)	108	1	466605 315341
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A12NW (NE)	119	1	467103 315178
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11SE (E)	125	1	467088 314862

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	151	1	466471 315147
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8NW (SE)	157	1	467214 314526
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SE (S)	0	1	466816 314933
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	467505 315000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11NE (N)	0	1	466798 315000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A16SE (E)	0	1	467759 315377
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	467603 315166
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A12NW (E)	0	1	467232 315000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11NE (NW)	0	1	466798 314980
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A12SW (E)	0	1	467172 314878
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (S)	0	1	466800 314932
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	0	1	467697 315420
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	0	1	466660 315171
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (E)	0	1	466985 315000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (NE)	24	1	466971 315188
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (S)	90	1	466869 314805
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11SE (SE)	95	1	466917 314823
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8NW (SE)	162	1	467185 314540
	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	A11NE (NW)	0	1	466798 314980
	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	A11NE (N)	0	1	466798 315001

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Radon Potential - Radon Protection Measures</p> <p>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions</p> <p>Source: British Geological Survey, National Geoscience Information Service</p>	A11NE (NW)	0	1	466798 314980
	<p>Radon Potential - Radon Protection Measures</p> <p>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions</p> <p>Source: British Geological Survey, National Geoscience Information Service</p>	A11NE (N)	0	1	466798 315001

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	Contemporary Trade Directory Entries Name: Htb Autos Location: 1872, Melton Road, Rearsby, Leicester, LE7 4YS Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A10SW (W)	846	-	465855 314918
60	Contemporary Trade Directory Entries Name: Clowey Ironwork Engineers Location: 1872, Melton Road, Rearsby, Leicester, LE7 4YS Classification: Ornamental Metalwork Status: Inactive Positional Accuracy: Automatically positioned to the address	A10SW (W)	846	-	465855 314918
60	Contemporary Trade Directory Entries Name: G & R Cars Location: 1872, Melton Road, Rearsby, Leicester, LE7 4YS Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A10SW (W)	846	-	465855 314918

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
61	Nitrate Vulnerable Zones Name: Soar R Nvz Description: Surface Water Source: Environment Agency, Head Office	A11NE (NW)	0	3	466798 314980

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office Charnwood Borough Council - Environmental Health Department Melton Borough Council - Community Services	June 2020 September 2017 September 2017	Annually Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Midlands Region	April 2021	Quarterly
Enforcement and Prohibition Notices Environment Agency - Midlands Region	March 2013	
Integrated Pollution Controls Environment Agency - Midlands Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - Midlands Region	April 2021	Quarterly
Local Authority Integrated Pollution Prevention And Control Charnwood Borough Council - Environmental Health Department Melton Borough Council - Environmental Health Department	March 2015 May 2016	Variable Variable
Local Authority Pollution Prevention and Controls Charnwood Borough Council - Environmental Health Department Melton Borough Council - Environmental Health Department	March 2015 May 2016	Not Applicable Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Charnwood Borough Council - Environmental Health Department Melton Borough Council - Environmental Health Department	March 2015 May 2016	Variable Variable
Nearest Surface Water Feature Ordnance Survey	April 2021	
Pollution Incidents to Controlled Waters Environment Agency - Midlands Region	December 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Midlands Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Midlands Region	March 2013	
Registered Radioactive Substances Environment Agency - Midlands Region	June 2016	Annually
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	April 2021 April 2021	Quarterly Quarterly
Water Abstractions Environment Agency - Midlands Region	April 2021	Quarterly
Water Industry Act Referrals Environment Agency - Midlands Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually

Agency & Hydrological	Version	Update Cycle
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	May 2021	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	March 2021	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	March 2021	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	March 2021	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	March 2021	Quarterly
Flood Defences Environment Agency - Head Office	March 2021	Quarterly
OS Water Network Lines Ordnance Survey	July 2021	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	May 2021	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Midlands Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	April 2021 April 2021	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	April 2021 April 2021	Quarterly Quarterly
Local Authority Landfill Coverage Charnwood Borough Council - Environmental Health Department Leicestershire County Council Melton Borough Council - Environmental Health Department	February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Charnwood Borough Council - Environmental Health Department Leicestershire County Council Melton Borough Council - Environmental Health Department	October 2018 October 2018 October 2018	
Registered Landfill Sites Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	March 2006 March 2006	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	June 2015 June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Charnwood Borough Council Leicestershire County Council Melton Borough Council	February 2016 February 2016 February 2016	Variable Variable Variable
Planning Hazardous Substance Consents Charnwood Borough Council Leicestershire County Council Melton Borough Council	February 2016 February 2016 February 2016	Variable Variable Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
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	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	July 2021	Quarterly
Fuel Station Entries Catalist Ltd - Experian	June 2021	Quarterly
Gas Pipelines National Grid	May 2021	Annually
Underground Electrical Cables National Grid	May 2021	Annually
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt Charnwood Borough Council Melton Borough Council	October 2020 October 2020	Quarterly Quarterly
Areas of Unadopted Green Belt Charnwood Borough Council Melton Borough Council	October 2020 October 2020	Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	January 2021	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	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	 British Geological Survey <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
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	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	Melton Borough Council - Environmental Health Department Council Offices, Nottingham Road, Melton Mowbray, Leicestershire, LE13 0UL	Telephone: 01664 502502 Fax: 01664 410283 Website: www.melton.gov.uk
6	Leicestershire County Council County Hall, Glenfield, Leicestershire, LE3 8RH	Website: www.leics.gov.uk
7	Charnwood Borough Council - Environmental Health Department Macaulay House, 5 Cattle Market, Loughborough, Leicestershire, LE11 3DH	Telephone: 01509 634636 Fax: 01509 211703 Website: www.charnwoodbc.gov.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 Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

General

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

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

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
- 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

Geological

- BGS Recorded Mineral Site

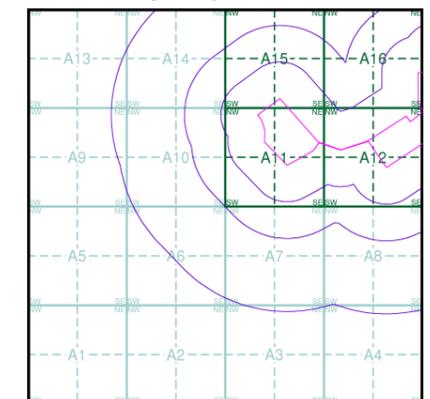
Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Hazardous Substances

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

Site Sensitivity Map - Slice A

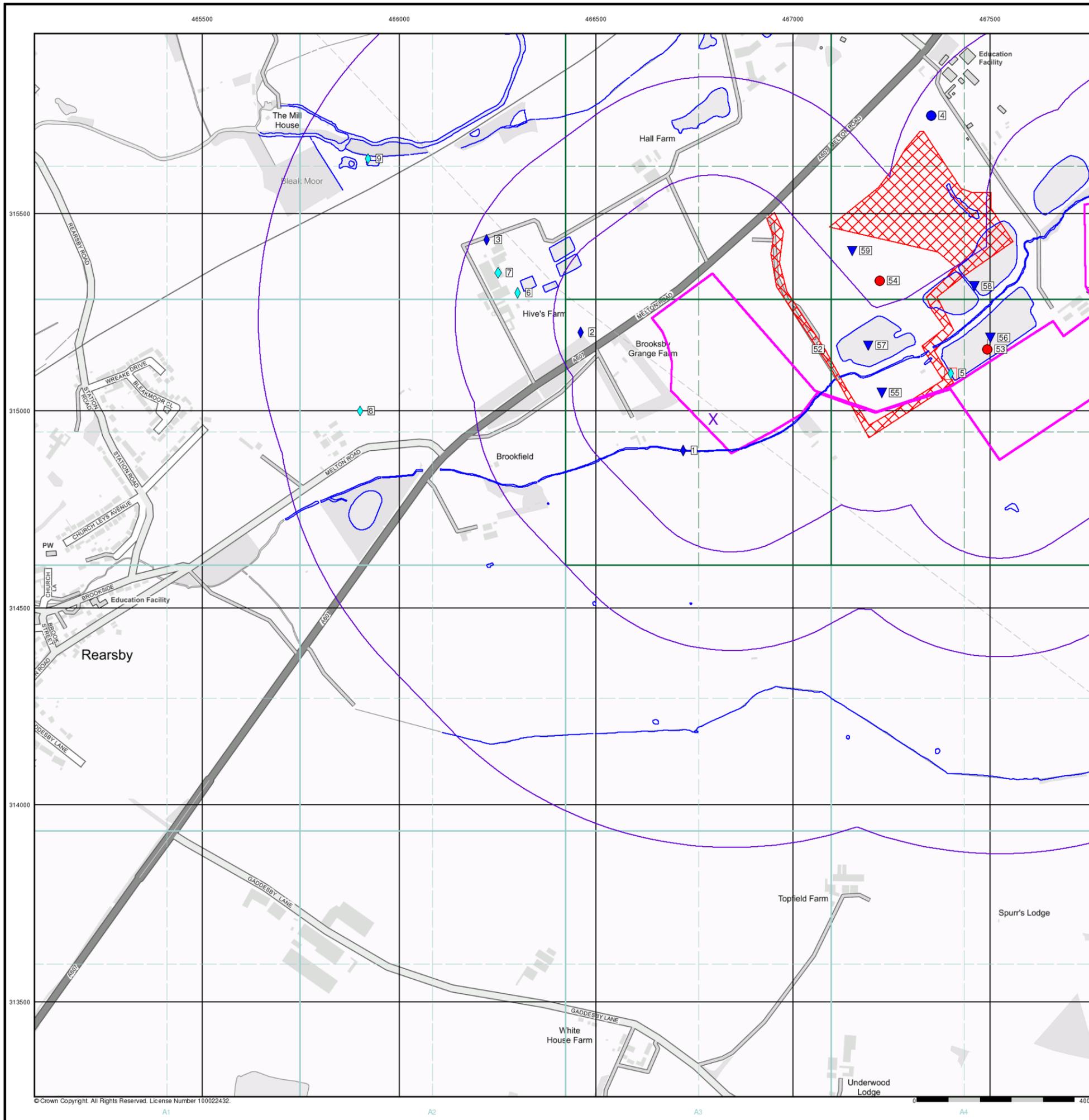


Order Details

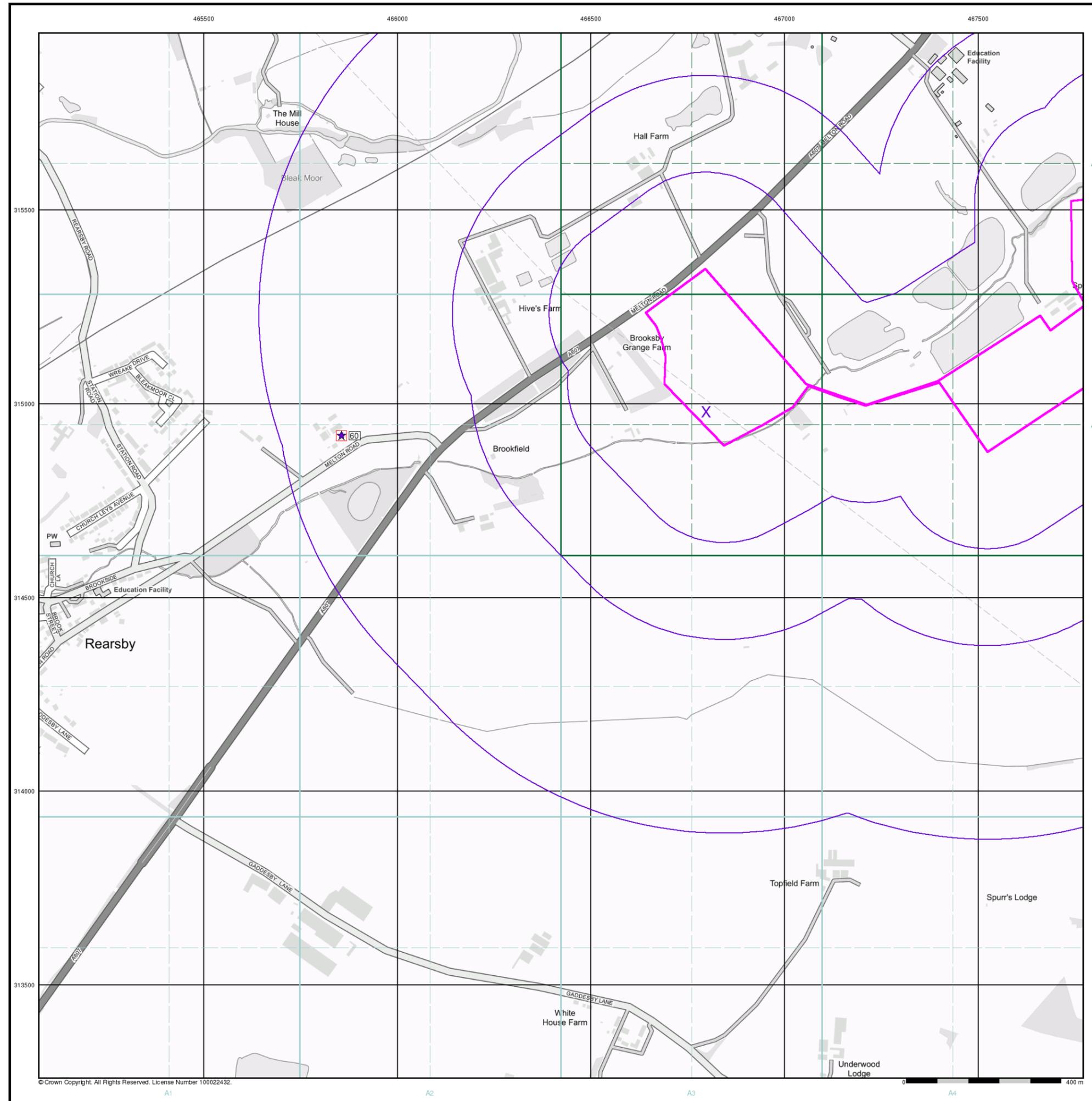
Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire



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Industrial Land Use Map

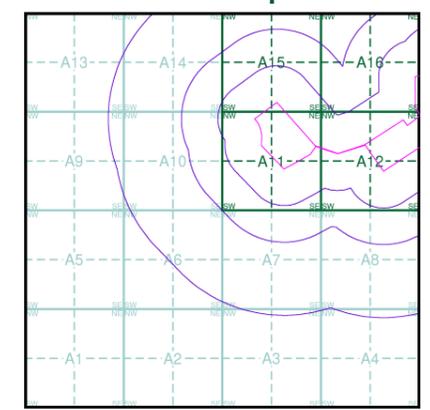
General

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

Industrial Land Use

-  Contemporary Trade Directory Entry
-  Fuel Station Entry
-  Gas Pipeline
-  Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire

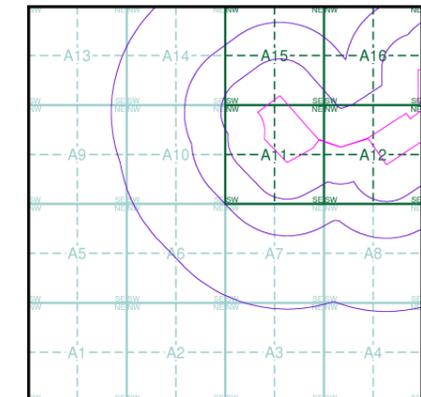
General

-  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

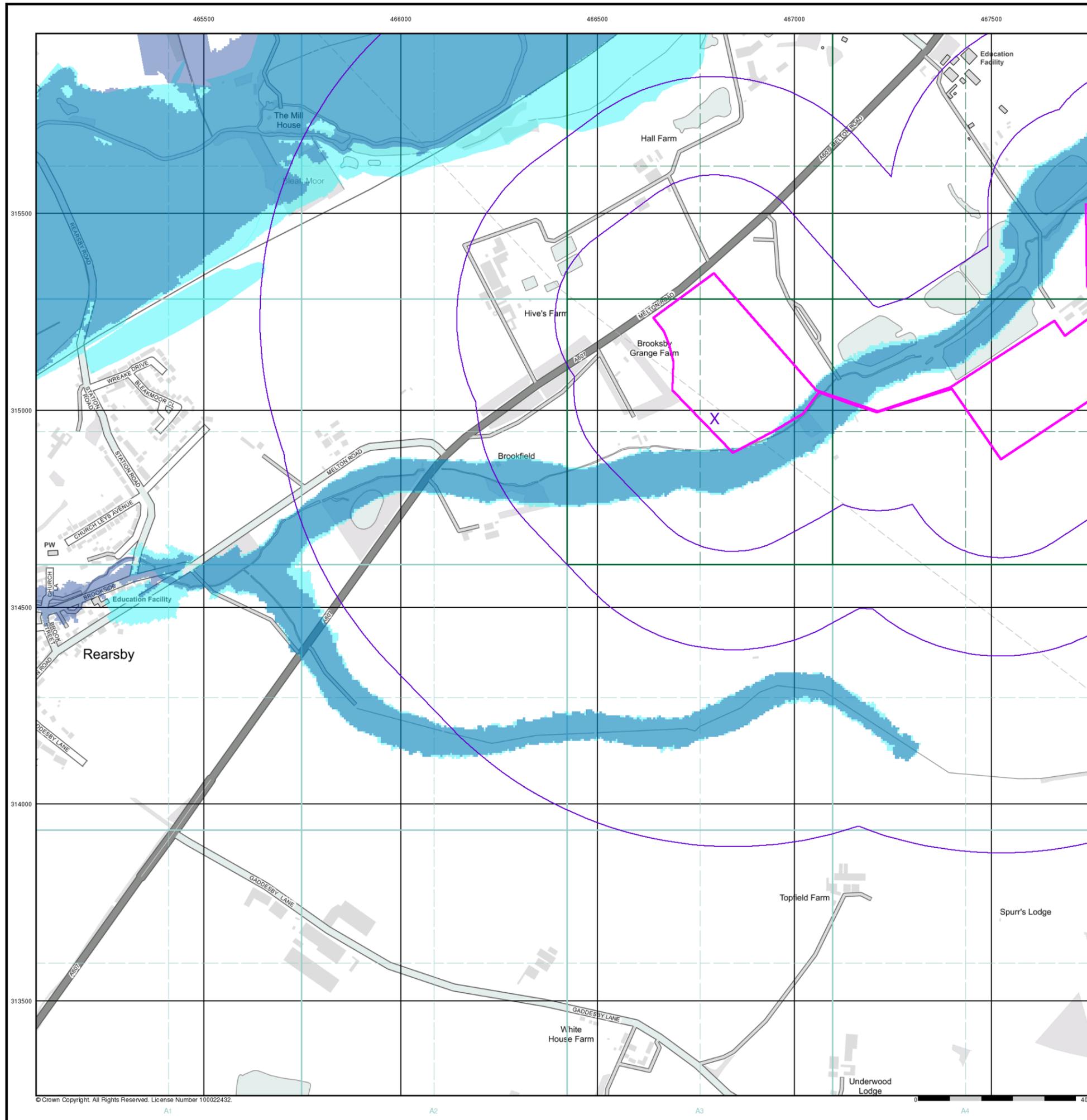


Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire



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General

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

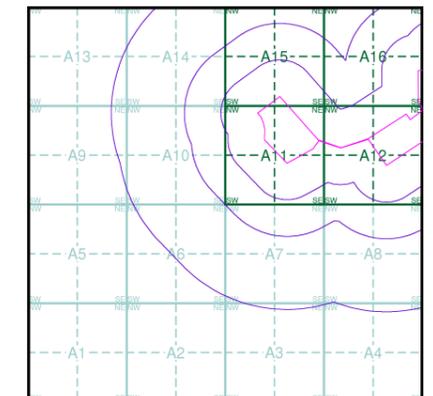
Agency and Hydrological (Boreholes)

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

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

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A

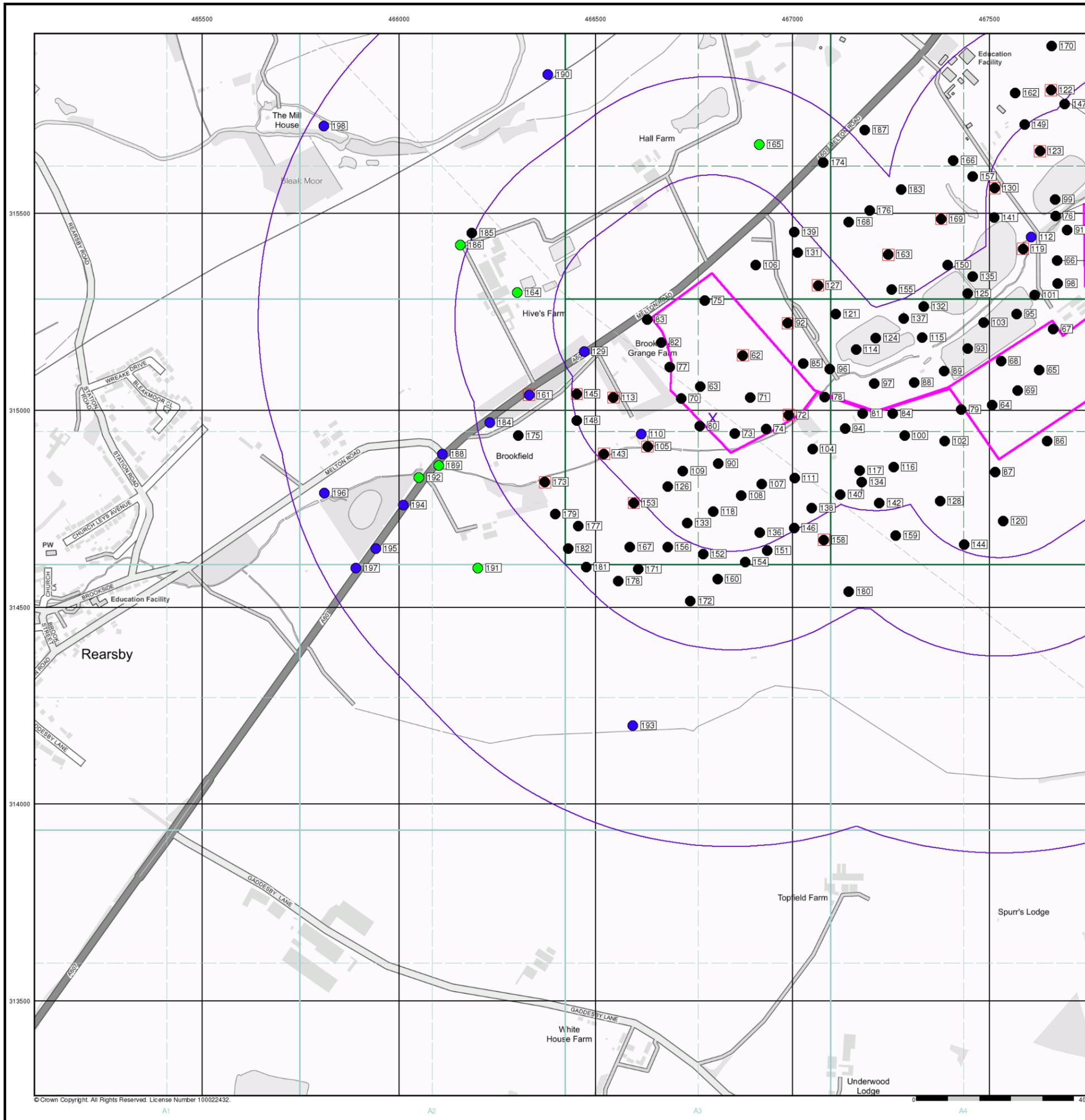


Order Details

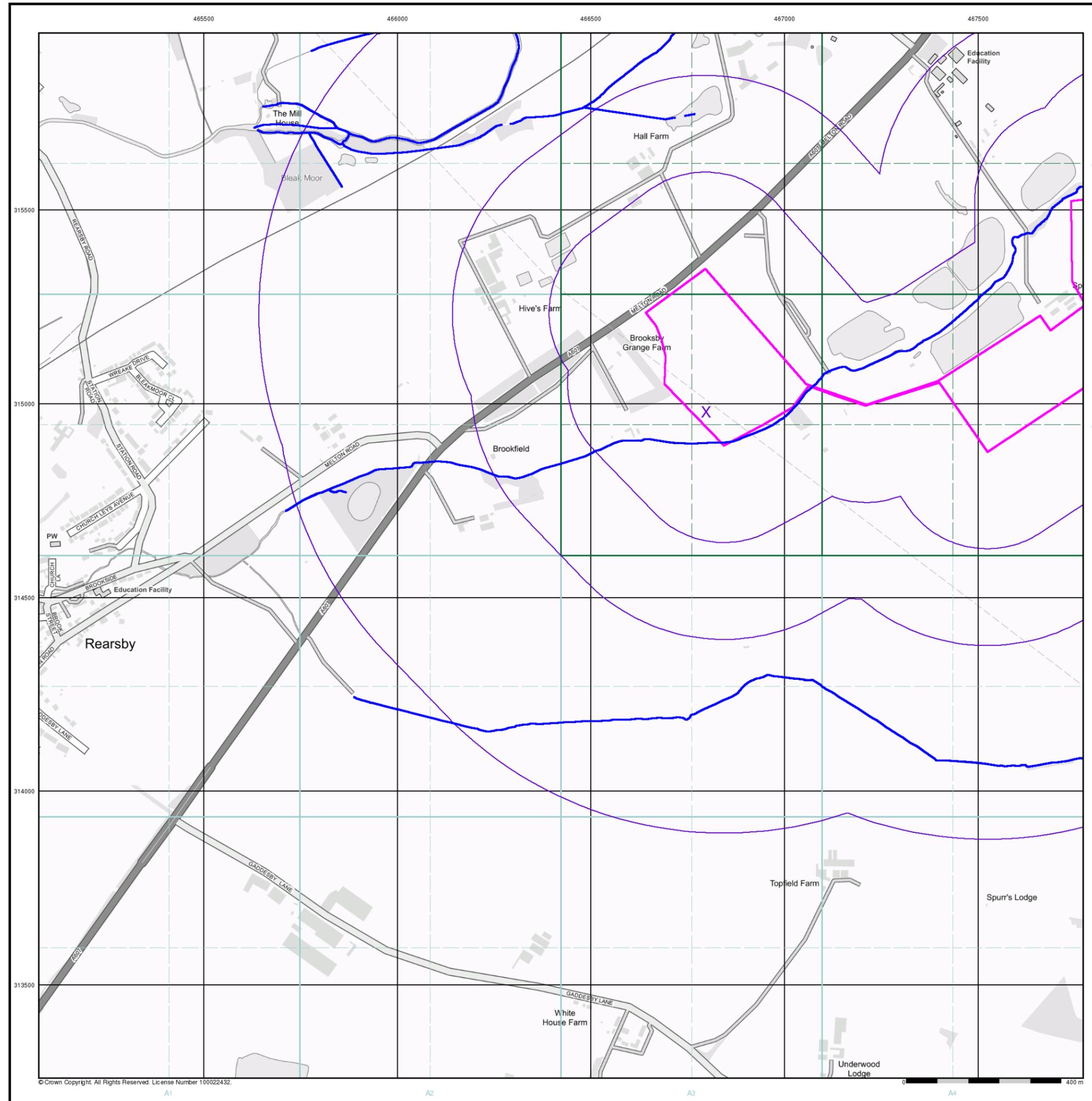
Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire



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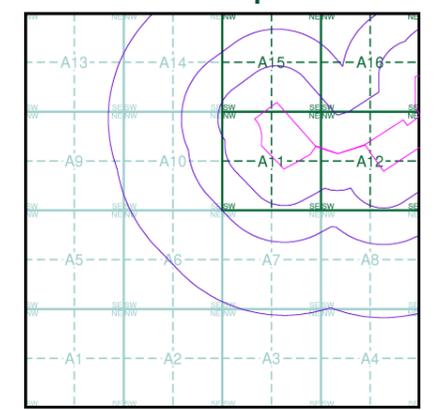
General

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

OS Water Network Data

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

OS Water Network Map - Slice A

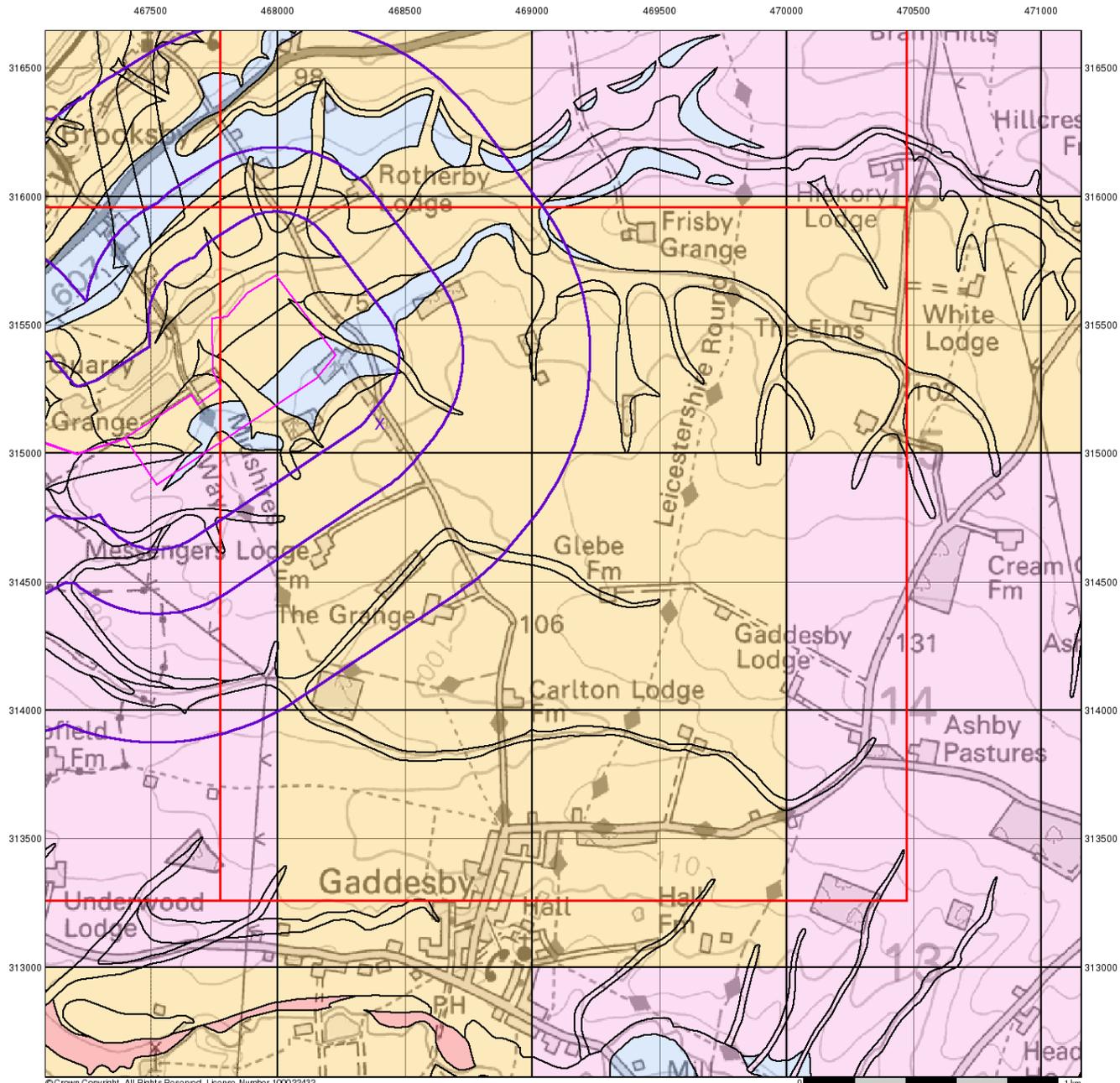


Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 466800, 314980
 Slice: A
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

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Groundwater Vulnerability

General

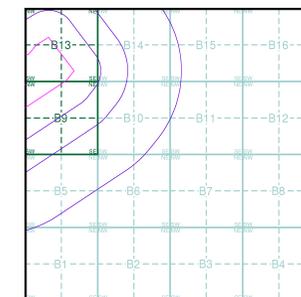
- ◇ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
■ High Vulnerability, Principal Aquifer	■ High Vulnerability, Principal Aquifer
■ High Vulnerability, Secondary Aquifer	■ High Vulnerability, Secondary Aquifer
■ Medium Vulnerability, Principal Aquifer	■ Medium Vulnerability, Principal Aquifer
■ Medium Vulnerability, Secondary Aquifer	■ Medium Vulnerability, Secondary Aquifer
■ Low Vulnerability, Principal Aquifer	■ Low Vulnerability, Principal Aquifer
■ Low Vulnerability, Secondary Aquifer	■ Low Vulnerability, Secondary Aquifer

- Unproductive Aquifer
- Soluble Rock

Site Sensitivity Context Map - Slice B



Order Details

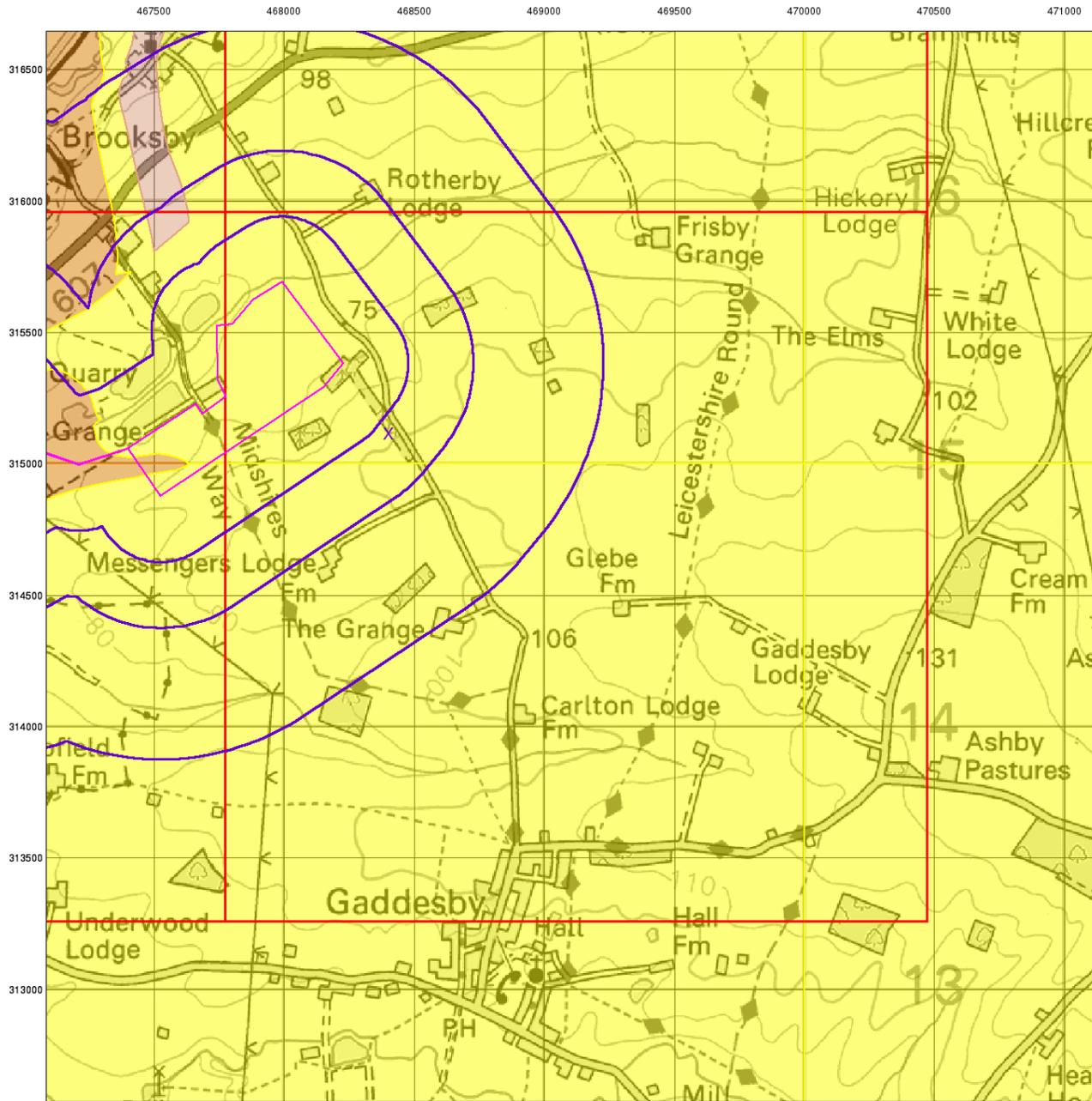
Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

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0 1 km

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Bedrock Aquifer Designation

General

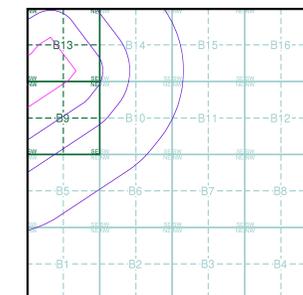
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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 B



Order Details

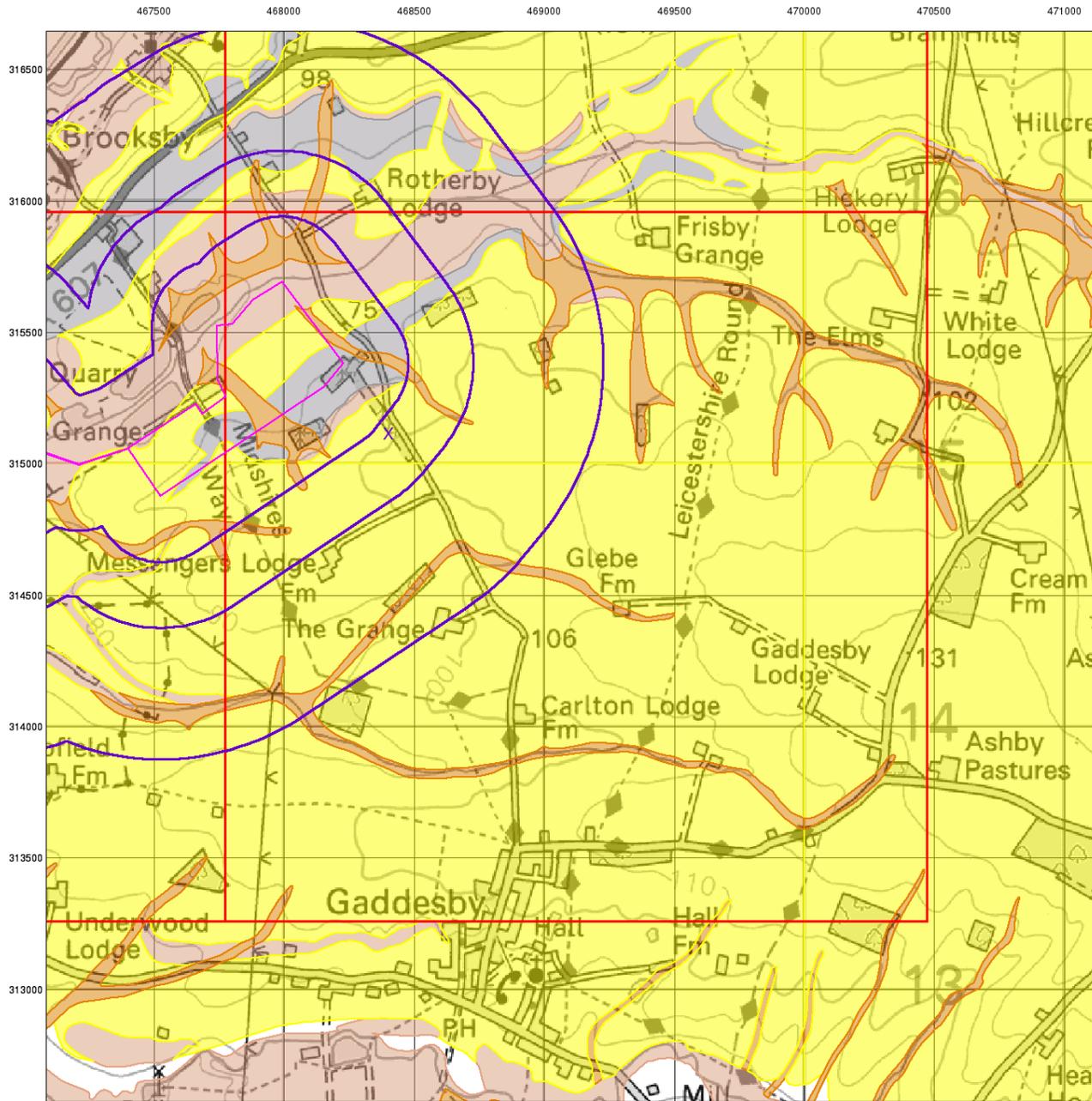
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 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

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Superficial Aquifer Designation

General

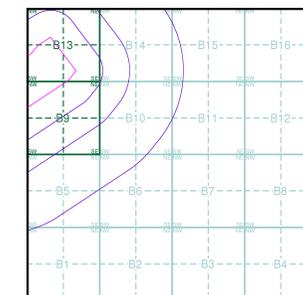
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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 B



Order Details

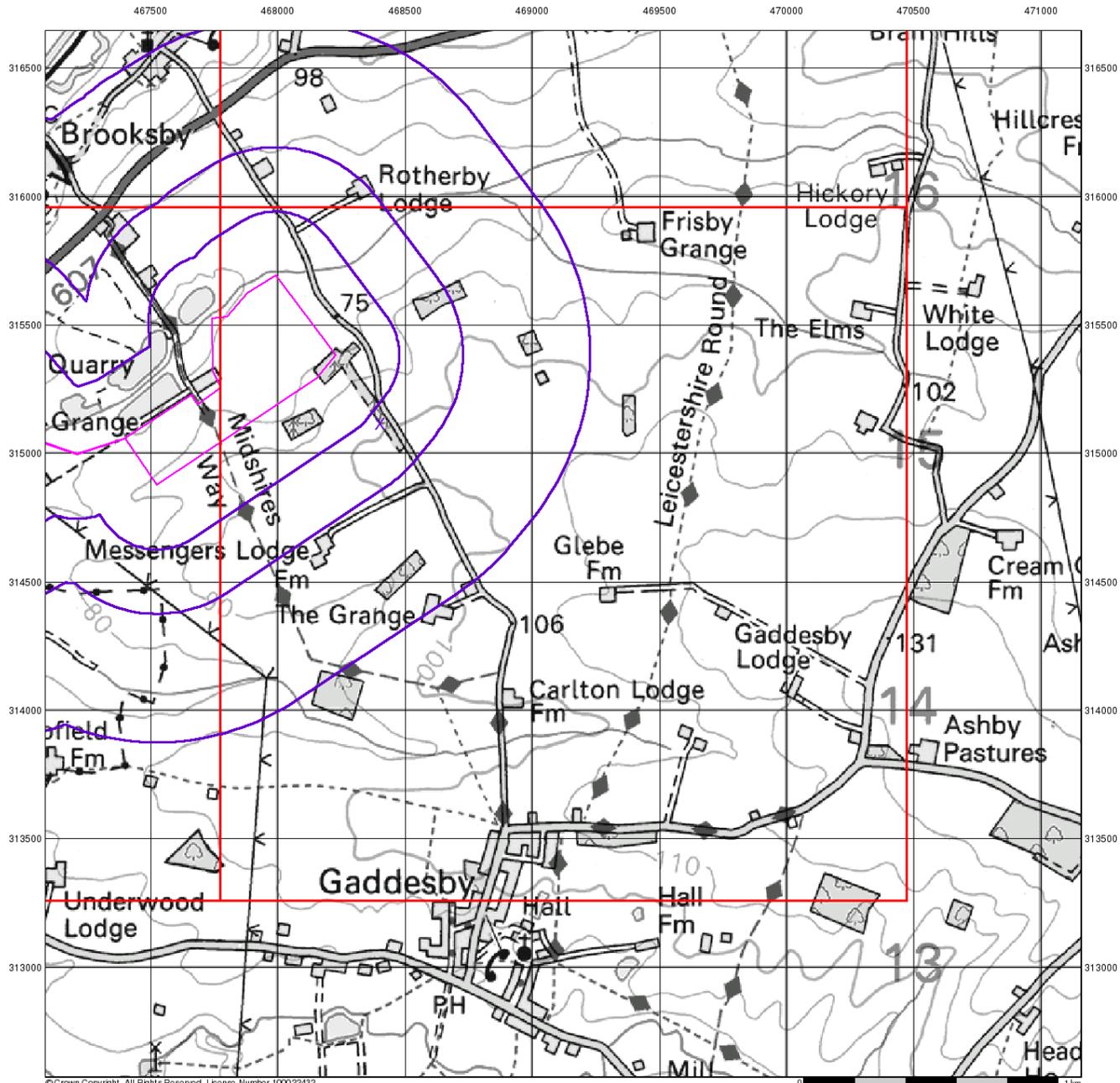
Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

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Source Protection Zones

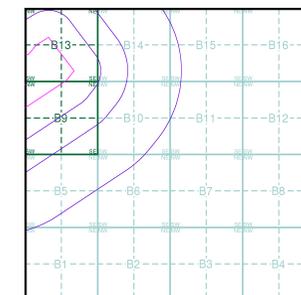
General

- 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 B



Order Details

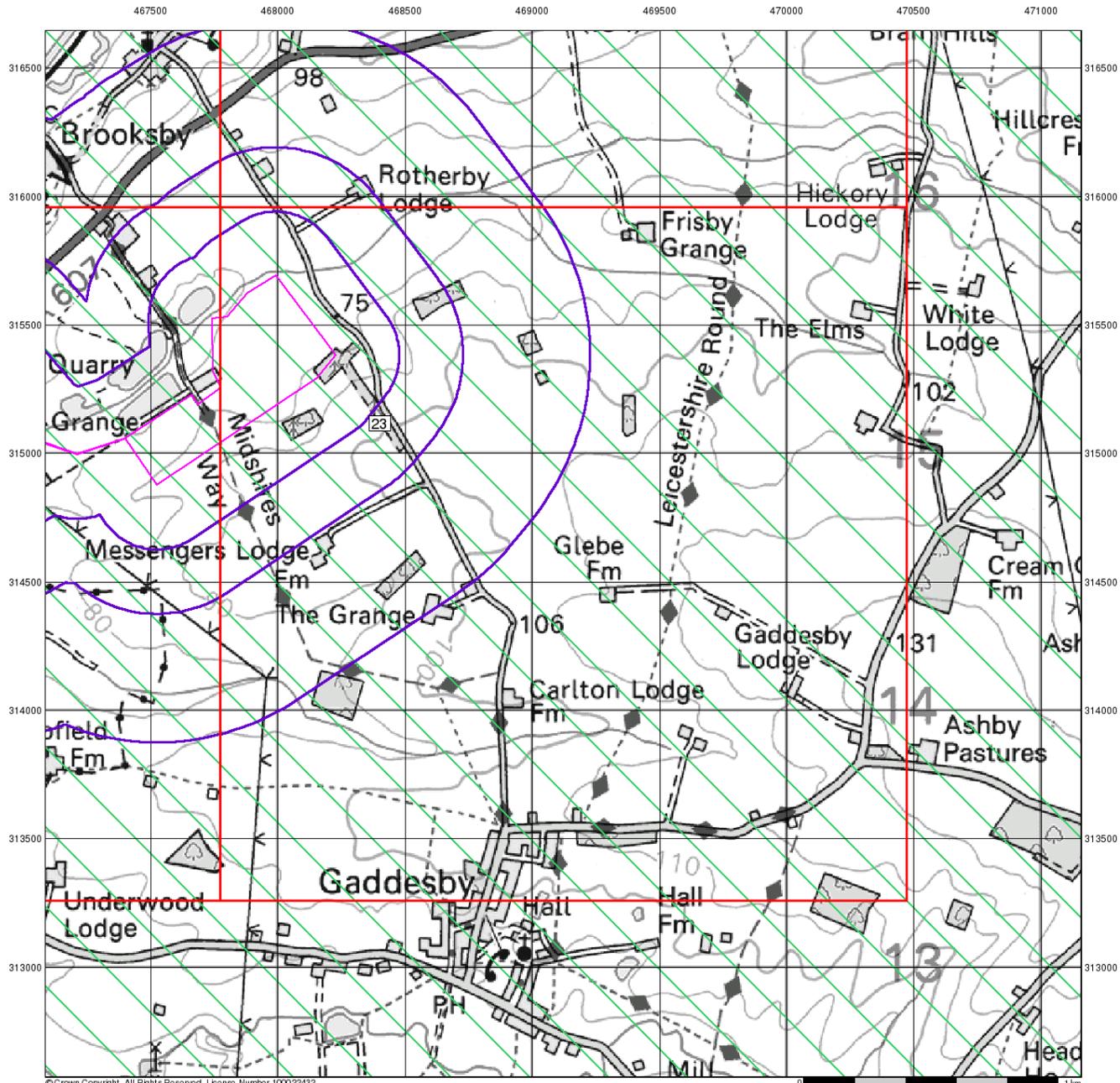
Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

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Sensitive Land Uses

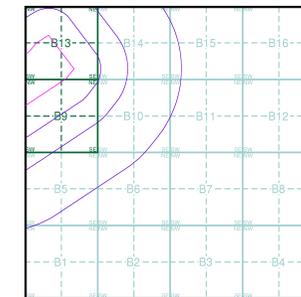
General

- 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
- Marine 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 B



Order Details

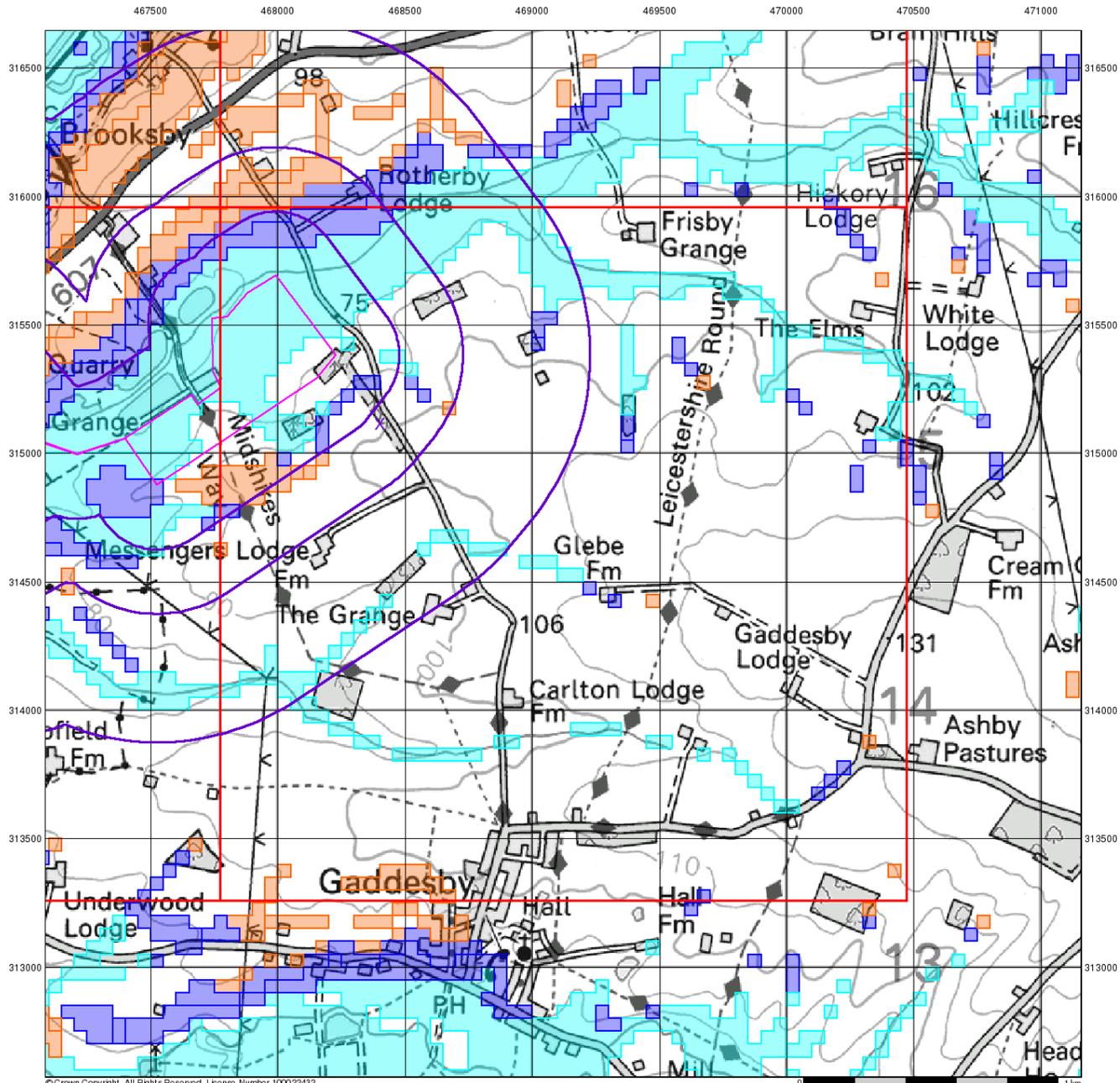
Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire

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BGS Flood GFS Data

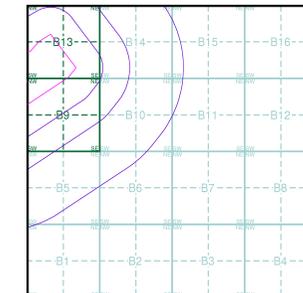
General

- 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 B



Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire

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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

282769965_1_1

Customer Reference:

TAR/BRO/AKM/5654/01

National Grid Reference:

468400, 315120

Slice:

B

Site Area (Ha):

35.96

Search Buffer (m):

1000

Site Details:

Site at

Brooksby Grange Fm

Leicestershire

Client Details:

Ms J Amphlett

MJCA

Baddesley Collier Offices

Main Road

Baxterley

Atherstone

Warwickshire

CV9 2LE

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	12
Hazardous Substances	-
Geological	13
Industrial Land Use	-
Sensitive Land Use	16
Data Currency	17
Data Suppliers	21
Useful Contacts	22

Introduction

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents					
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
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 3		Yes		
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions					
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 3	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 7	2	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 8	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 8	Yes		n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 8		7	2	13

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					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 12	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
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					
Geological					
BGS 1:625,000 Solid Geology	pg 13	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 13	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 13	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 13	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 14	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 15	Yes	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

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries					
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 16	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: Potential for Groundwater Flooding of Property Situated Below Ground Level	B13NE (N)	0	1	468150 315800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	467550 314900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	467400 315500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	467200 315300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	467100 315400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	B9NE (W)	0	1	468150 315100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	0	1	467750 314800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B9NW (SW)	22	1	468050 314950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	B13SE (N)	30	1	468300 315400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	B9NE (W)	74	1	468200 315150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B9NE (NW)	101	1	468300 315200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B9NE (W)	102	1	468250 315150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B9NE (N)	109	1	468400 315250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B9NE (W)	116	1	468200 315117
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B9NW (W)	159	1	468050 315000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	B13SE (N)	174	1	468401 315350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	176	1	467300 314650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B13NW (NW)	183	1	468050 315900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B9SW (SW)	188	1	467850 314800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	202	1	467750 314750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	220	1	467750 315800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	226	1	467600 315700

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	B9NW (SW)	228	1	468100 314950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B9NE (SW)	241	1	468200 315000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	244	1	467650 315750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B13NW (NW)	252	1	468050 315950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B9NE (SW)	256	1	468150 314950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B13NE (N)	265	1	468350 315950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	265	1	467150 314650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	271	1	467400 315400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	B14SW (NE)	275	1	468500 315300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	286	1	467450 314600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B10NW (NE)	286	1	468500 315250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	291	1	467450 315500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	297	1	467200 315450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	301	1	467450 315600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	303	1	467100 315700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B9SW (SW)	313	1	467800 314650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	320	1	468050 316050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B10NW (NE)	349	1	468550 315200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	356	1	467600 315850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	356	1	467300 314600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	405	1	467250 315500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NW)	405	1	467000 315850

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	(N)	413	1	468100 316100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	446	1	467200 314550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B10NW (E)	461	1	468650 315150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	486	1	468200 316150
	Nearest Surface Water Feature	B13NW (NW)	5	-	467950 315681
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial: >90% Patchiness: Superficial >10m Thickness: Superficial High Recharge:	B13SE (N)	0	2	468312 315614
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial: >90% Patchiness: Superficial >10m Thickness: Superficial High Recharge:	B13SW (NW)	0	2	468000 315553
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial: >90% Patchiness: Superficial >10m Thickness: Superficial High Recharge:	(W)	0	2	467320 315045

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability</p> <p>Combined Vulnerability: Low</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer</p> <p>Pollutant Speed: Low</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: 40-70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: 3-10m</p> <p>Superficial Recharge: Low</p>	(W)	0	2	467714 315000
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability</p> <p>Combined Vulnerability: Low</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	B9NW (W)	0	2	468000 315065
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability</p> <p>Combined Vulnerability: Low</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	B9NW (W)	0	2	468000 315178
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability</p> <p>Combined Vulnerability: Low</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	B13SE (N)	0	2	468382 315300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability</p> <p>Combined Vulnerability: Medium</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Low</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: 40-70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: 3-10m</p> <p>Superficial Recharge: Low</p>	B9NW (W)	0	2	468000 315000
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	B9NW (W)	0	2	467857 315202
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	B9NW (W)	0	2	468000 315012
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	B9NW (W)	0	2	468000 315117

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability</p> <p>Combined Vulnerability: Medium</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Low</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: 40-70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: 3-10m</p> <p>Superficial Recharge: Low</p>	(W)	0	2	467629 315000
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	B13SW (NW)	0	2	468000 315312
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	(W)	0	2	467103 315178
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	(W)	0	2	467629 315000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	B13SE (NW)	0	2	468194 315450
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	B10NW (NE)	0	2	468551 315230
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: Low	(W)	0	2	467232 315000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	B9NW (W)	0	2	468000 315117
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	B9NW (W)	0	2	468000 315000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	(W)	0	2	467629 315000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	(W)	0	2	467629 315000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	B9NE (S)	0	2	468401 315000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	B9NE (NW)	0	2	468401 315117
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - B	B9NE (W)	0	2	468177 315025
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - B	B10NW (NE)	0	2	468551 315230

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	B9NE (S)	0	2	468401 315000
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	B9NW (W)	0	2	467857 315202
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	B9NW (W)	0	2	468013 315012
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	B13SE (NW)	0	2	468194 315450
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(W)	0	2	467103 315178
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	(N)	0	2	468031 316118
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	(W)	0	2	467714 315000
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	B9NW (W)	0	2	468019 315042
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	B13SE (N)	0	2	468382 315300
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	B13SE (N)	0	2	468312 315614
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(W)	0	2	467232 315000
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	B13SE (N)	0	3	468315 315610
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	B13SE (N)	0	3	468310 315610
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
1	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 894.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	B13NW (NW)	6	4	467950 315683
2	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 424.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	B13SE (NW)	9	4	468268 315362

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	B13NW (NW)	10	4	468003 315693
4	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 141.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	B13NE (NW)	11	4	468139 315687
5	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	B13NW (NW)	20	4	467974 315704
6	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	B13NE (NW)	116	4	468146 315689
7	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 785.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	B13NE (N)	122	4	468286 315704
8	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 82.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	B10NW (NE)	317	4	468553 315230
9	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	B10NW (NE)	390	4	468579 315215
10	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1555.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	B5SW (SW)	603	4	467942 314117
11	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 478.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	B10SW (SE)	777	4	468656 314697

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	B10SW (SE)	782	4	468674 314708
13	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 228.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	B10SW (SE)	840	4	468708 314661
14	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 196.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	B5SE (S)	860	4	468130 314162
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	B5SW (SW)	866	4	467945 314119
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 242.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	B5SW (S)	866	4	468001 314113
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	B5NE (S)	878	4	468345 314366
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 302.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	B5NE (S)	880	4	468342 314362
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 283.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	B14NE (NE)	881	4	469039 315841
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	B5SE (S)	930	4	468135 314164

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 470.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	B14NE (NE)	942	4	469104 315749
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	B14NE (NE)	943	4	469061 315823

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Leicestershire County Council - Has supplied landfill data		0	6	468401 315117
	Local Authority Landfill Coverage Name: Melton Borough Council - Landfill data has been supplied by another authority		0	5	468401 315117

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Lias Group	B9NE (NW)	0	1	468401 315117
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	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	B13NE (N)	0	1	468254 315765
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (NW)	0	1	468401 315117
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NW (W)	0	1	468019 315042
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (S)	0	1	468401 315000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B10SW (SE)	0	1	468650 314699
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B10NW (NE)	0	1	468551 315230
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9SW (SW)	165	1	468080 314937
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B10NW (NE)	0	1	468551 315230
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B10SW (SE)	0	1	468650 314699
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NE (S)	0	1	468401 315000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NE (NW)	0	1	468401 315117
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NW (W)	0	1	468019 315042
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B13NE (N)	0	1	468254 315765
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B9SW (SW)	165	1	468080 314937
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NE (NW)	0	1	468401 315117
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NE (S)	0	1	468401 315000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (S)	0	1	468401 315000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (NW)	0	1	468401 315117

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B9NE (W)	208	1	468206 315066
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B13SE (N)	213	1	468416 315516
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B13SE (N)	0	1	468312 315614
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NE (NW)	0	1	468355 315197
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NW (W)	0	1	468019 315042
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B9NE (W)	0	1	468177 315025
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B10NW (NE)	0	1	468551 315230
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B13SE (NW)	0	1	468194 315450
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B13NW (NW)	0	1	468024 315864
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NW (W)	0	1	467886 315000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NW (W)	0	1	467857 315202
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (S)	1	1	468401 315000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B13SE (NW)	20	1	468227 315475
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B10NW (NE)	57	1	468573 315246
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B13NE (N)	63	1	468245 315763
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NW (W)	96	1	468011 315000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (NW)	97	1	468336 315241
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B9SW (SW)	125	1	468025 314754
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (W)	160	1	468145 315040
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B9SW (SW)	165	1	468080 314937
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NE (SW)	186	1	468194 315000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B13NE (N)	191	1	468254 315765
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (NW)	195	1	468401 315117
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B10SW (SE)	0	1	468650 314699
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B9NE (NW)	0	1	468401 315117
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B9NW (W)	0	1	468019 315042
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B9NE (S)	0	1	468401 315000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B13SW (NW)	0	1	468051 315588
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B10NW (NE)	0	1	468551 315230
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B13NW (NW)	24	1	467921 315811
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NE (NW)	97	1	468336 315241
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NE (W)	160	1	468145 315040
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SW)	162	1	467577 314723
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9SW (SW)	165	1	468080 314937
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B13NW (NW)	169	1	468024 315864
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B13NE (N)	191	1	468254 315765
	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	B9NE (S)	0	1	468401 315001
	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	B9NE (NW)	0	1	468401 315117
	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	B9NE (S)	0	1	468401 315001
	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	B9NE (NW)	0	1	468401 315117

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	Nitrate Vulnerable Zones Name: Soar R Nvz Description: Surface Water Source: Environment Agency, Head Office	B9NE (NW)	0	2	468401 315117

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office Charnwood Borough Council - Environmental Health Department Melton Borough Council - Community Services	June 2020 September 2017 September 2017	Annually Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Midlands Region	April 2021	Quarterly
Enforcement and Prohibition Notices Environment Agency - Midlands Region	March 2013	
Integrated Pollution Controls Environment Agency - Midlands Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - Midlands Region	April 2021	Quarterly
Local Authority Integrated Pollution Prevention And Control Charnwood Borough Council - Environmental Health Department Melton Borough Council - Environmental Health Department	March 2015 May 2016	Variable Variable
Local Authority Pollution Prevention and Controls Charnwood Borough Council - Environmental Health Department Melton Borough Council - Environmental Health Department	March 2015 May 2016	Not Applicable Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Charnwood Borough Council - Environmental Health Department Melton Borough Council - Environmental Health Department	March 2015 May 2016	Variable Variable
Nearest Surface Water Feature Ordnance Survey	April 2021	
Pollution Incidents to Controlled Waters Environment Agency - Midlands Region	December 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Midlands Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Midlands Region	March 2013	
Registered Radioactive Substances Environment Agency - Midlands Region	June 2016	Annually
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	April 2021 April 2021	Quarterly Quarterly
Water Abstractions Environment Agency - Midlands Region	April 2021	Quarterly
Water Industry Act Referrals Environment Agency - Midlands Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually

Agency & Hydrological	Version	Update Cycle
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	May 2021	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	March 2021	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	March 2021	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	March 2021	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	March 2021	Quarterly
Flood Defences Environment Agency - Head Office	March 2021	Quarterly
OS Water Network Lines Ordnance Survey	July 2021	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	May 2021	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Midlands Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	April 2021 April 2021	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	April 2021 April 2021	Quarterly Quarterly
Local Authority Landfill Coverage Charnwood Borough Council - Environmental Health Department Leicestershire County Council Melton Borough Council - Environmental Health Department	February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Charnwood Borough Council - Environmental Health Department Leicestershire County Council Melton Borough Council - Environmental Health Department	October 2018 October 2018 October 2018	
Registered Landfill Sites Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	March 2006 March 2006	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	June 2015 June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Charnwood Borough Council Leicestershire County Council Melton Borough Council	February 2016 February 2016 February 2016	Variable Variable Variable
Planning Hazardous Substance Consents Charnwood Borough Council Leicestershire County Council Melton Borough Council	February 2016 February 2016 February 2016	Variable Variable Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
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	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	July 2021	Quarterly
Fuel Station Entries Catalist Ltd - Experian	June 2021	Quarterly
Gas Pipelines National Grid	May 2021	Annually
Underground Electrical Cables National Grid	May 2021	Annually
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt Charnwood Borough Council Melton Borough Council	October 2020 October 2020	Quarterly Quarterly
Areas of Unadopted Green Belt Charnwood Borough Council Melton Borough Council	October 2020 October 2020	Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	January 2021	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	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	 British Geological Survey <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
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 - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
3	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	Melton Borough Council - Environmental Health Department Council Offices, Nottingham Road, Melton Mowbray, Leicestershire, LE13 0UL	Telephone: 01664 502502 Fax: 01664 410283 Website: www.melton.gov.uk
6	Leicestershire County Council County Hall, Glenfield, Leicestershire, LE3 8RH	Website: www.leics.gov.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 Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

General

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

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- ◇ Discharge Consent
- ▲ Enforcement or Prohibition Notice
- ▲ Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- ▲ Local Authority Pollution Prevention and Control
- ▼ Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- ▼ Prosecution Relating to Authorised Processes
- ◇ Prosecution Relating to Controlled Waters
- ▲ Registered Radioactive Substance
- + River Network or Water Feature
- + River Quality Sampling Point
- + Substantiated Pollution Incident Register
- ◇ Water Abstraction
- ◇ Water Industry Act Referral

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
- ▲ 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

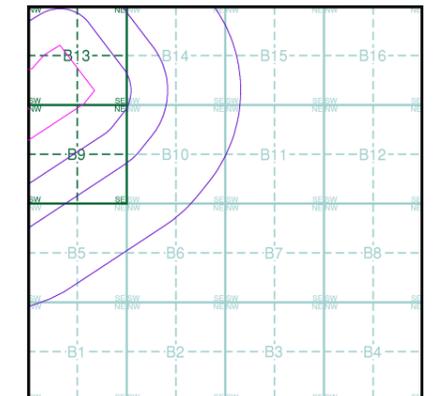
Geological

- ▼ BGS Recorded Mineral Site

Industrial Land Use

- ★ Contemporary Trade Directory Entry
- ★ Fuel Station Entry
- X COMAH Site
- X Explosive Site
- X NIHS Site
- X Planning Hazardous Substance Consent
- X Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice B

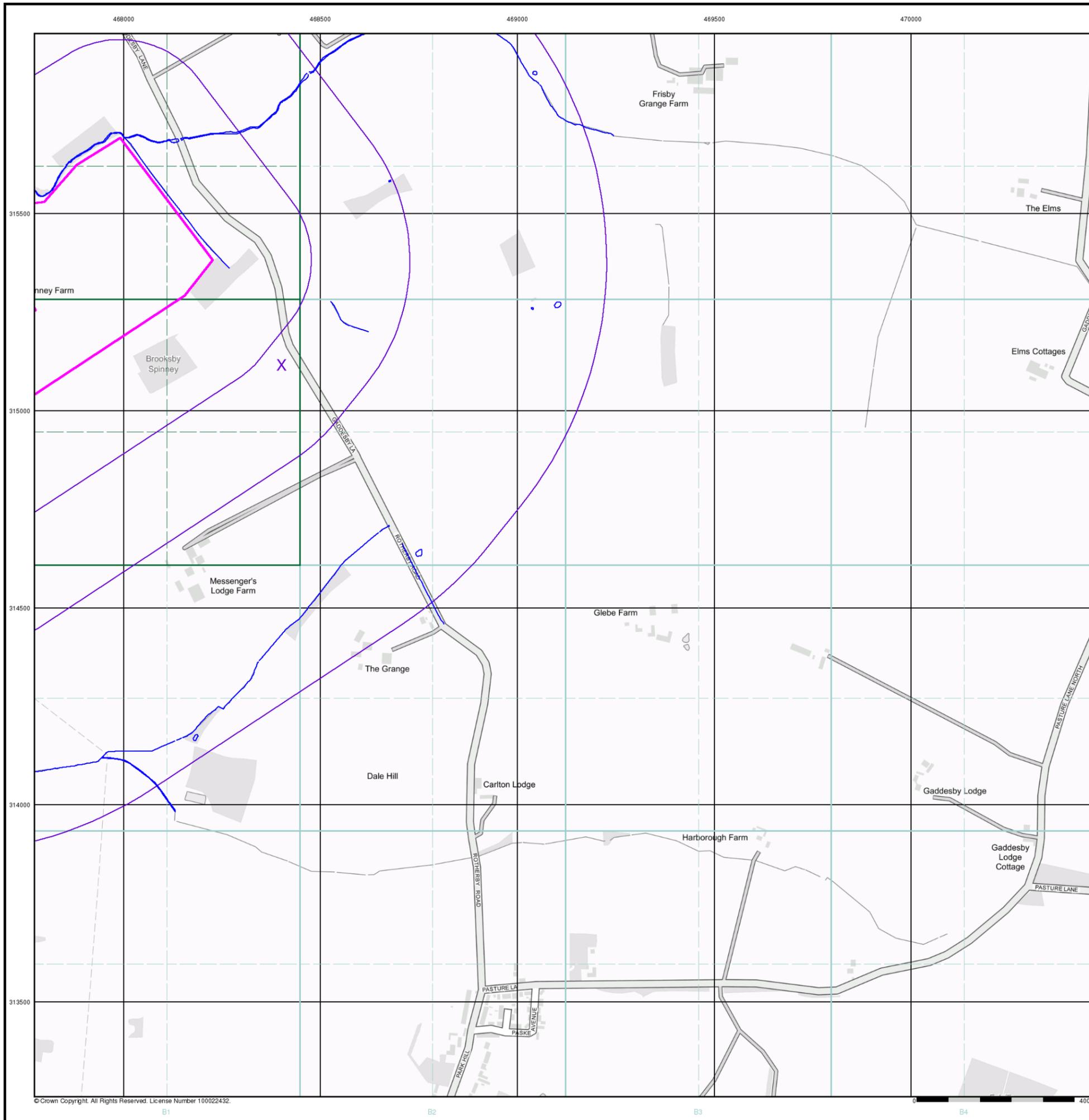


Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire



Industrial Land Use Map

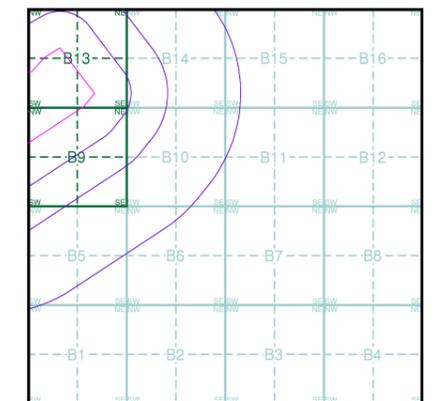
General

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

Industrial Land Use

-  Contemporary Trade Directory Entry
-  Fuel Station Entry
-  Gas Pipeline
-  Underground Electrical Cables

Industrial Land Use Map - Slice B

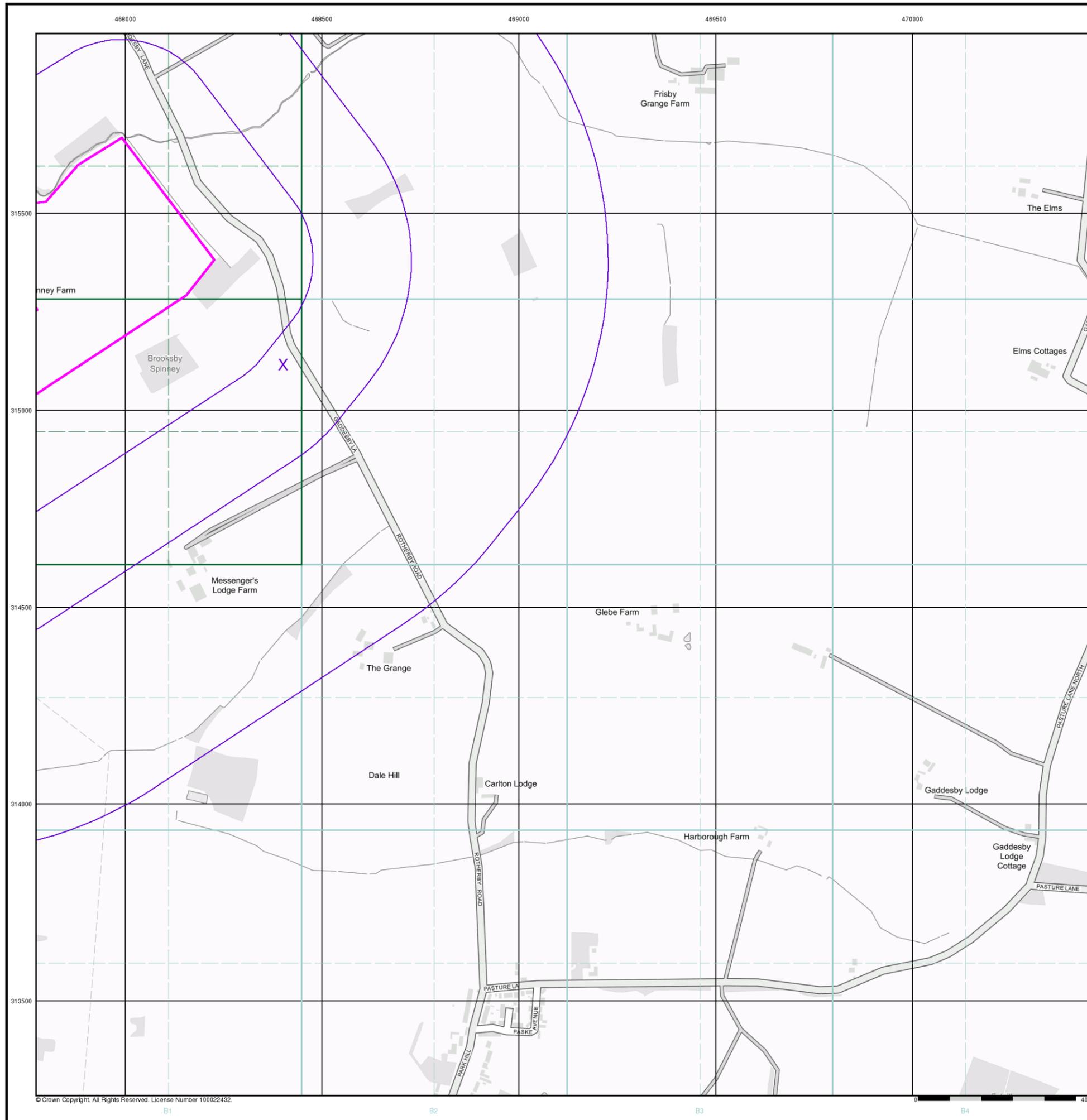


Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire



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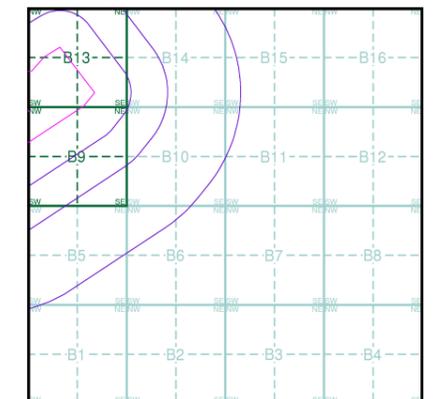
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice B



Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire



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General

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

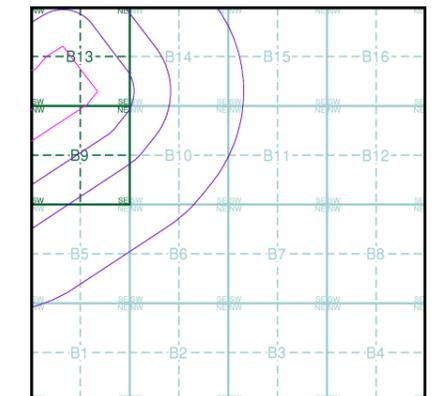
Agency and Hydrological (Boreholes)

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

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

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice B

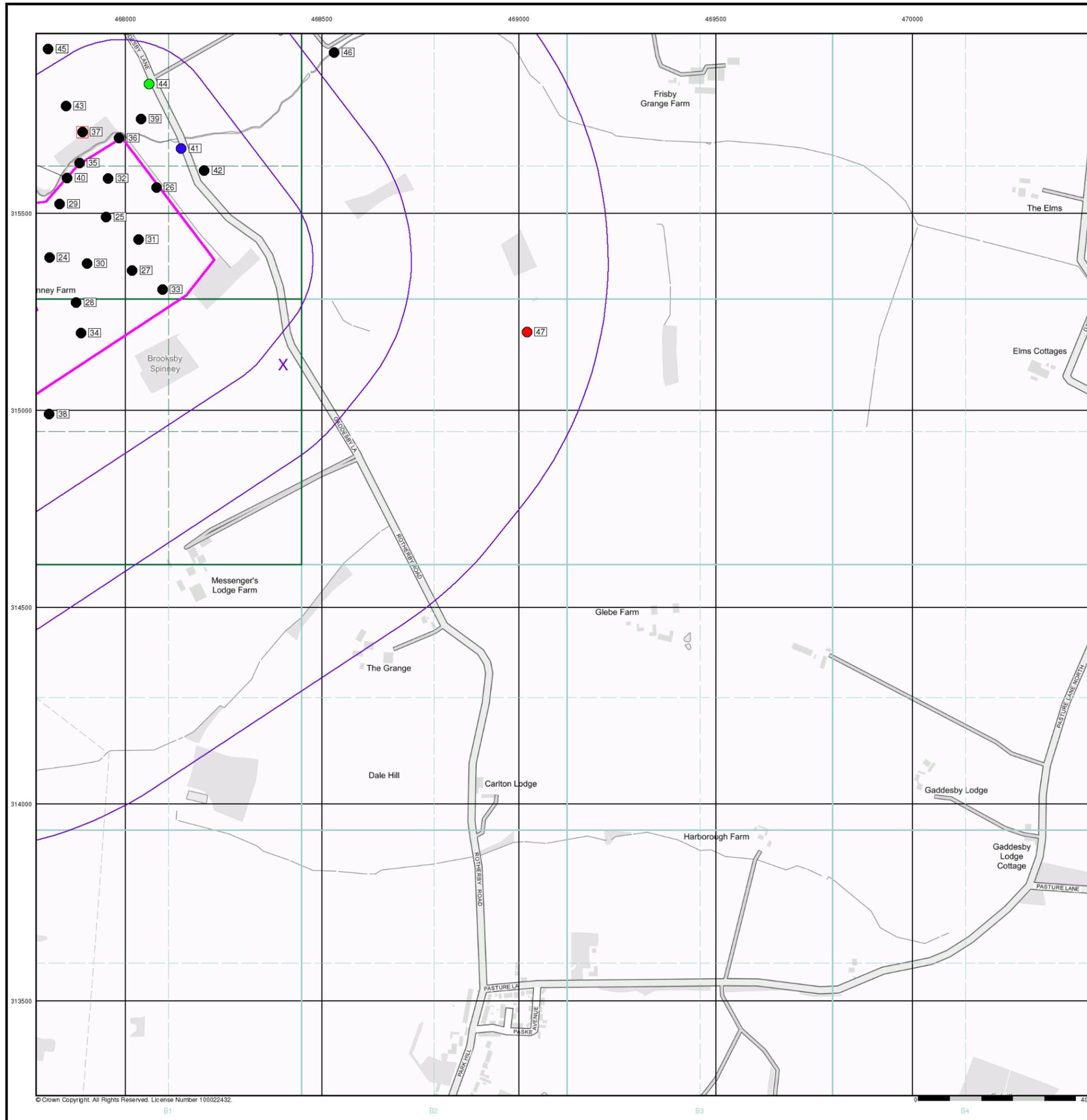


Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire



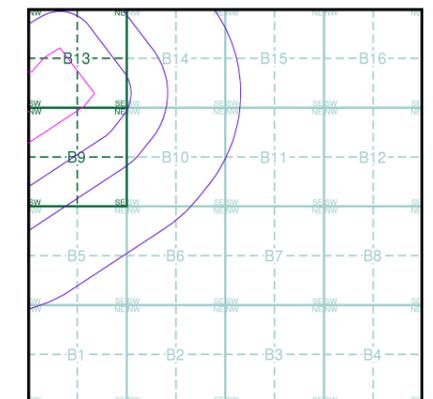
General

-  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 |

OS Water Network Map - Slice B

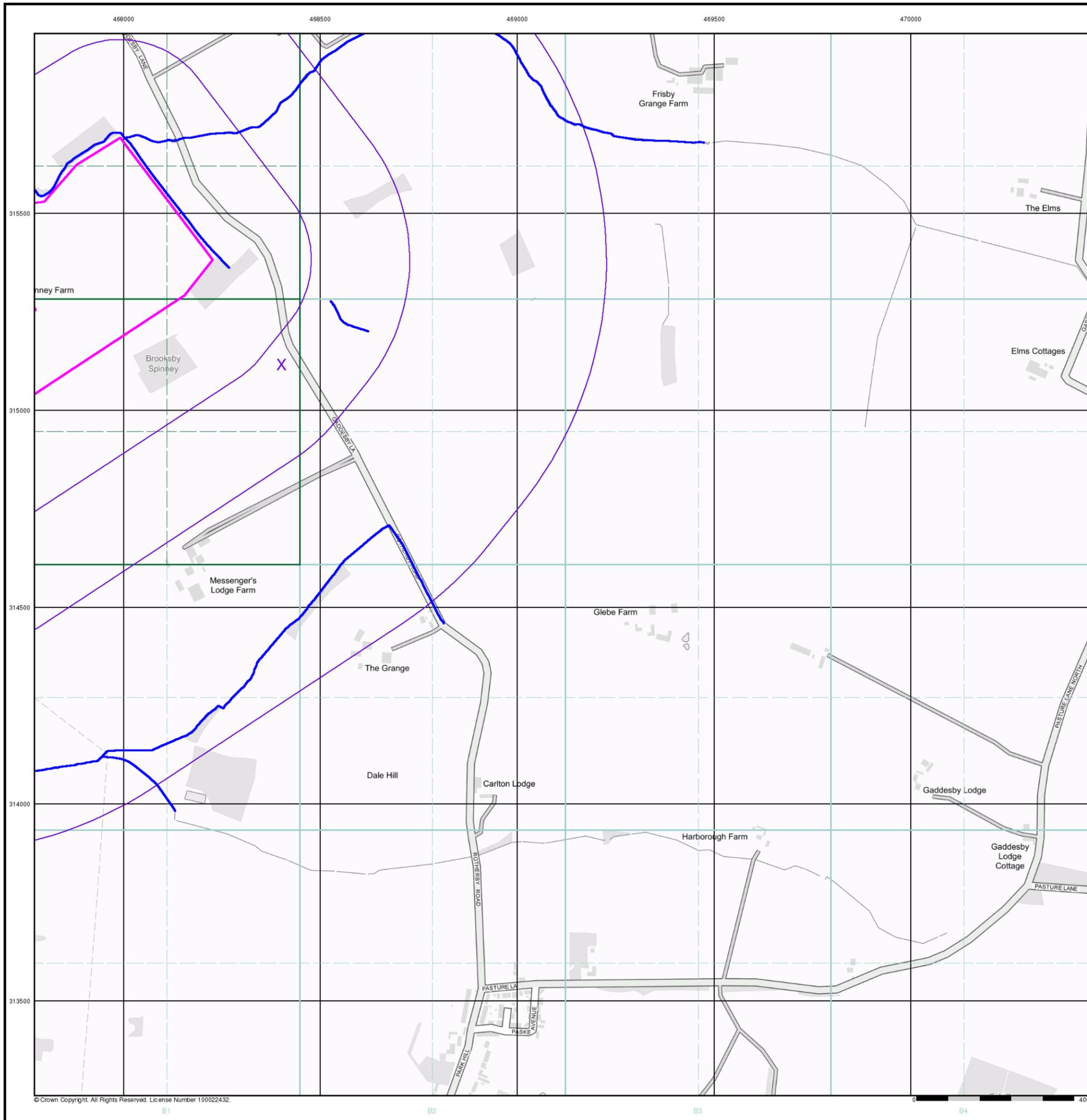


Order Details

Order Number: 282769965_1_1
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 National Grid Reference: 468400, 315120
 Slice: B
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

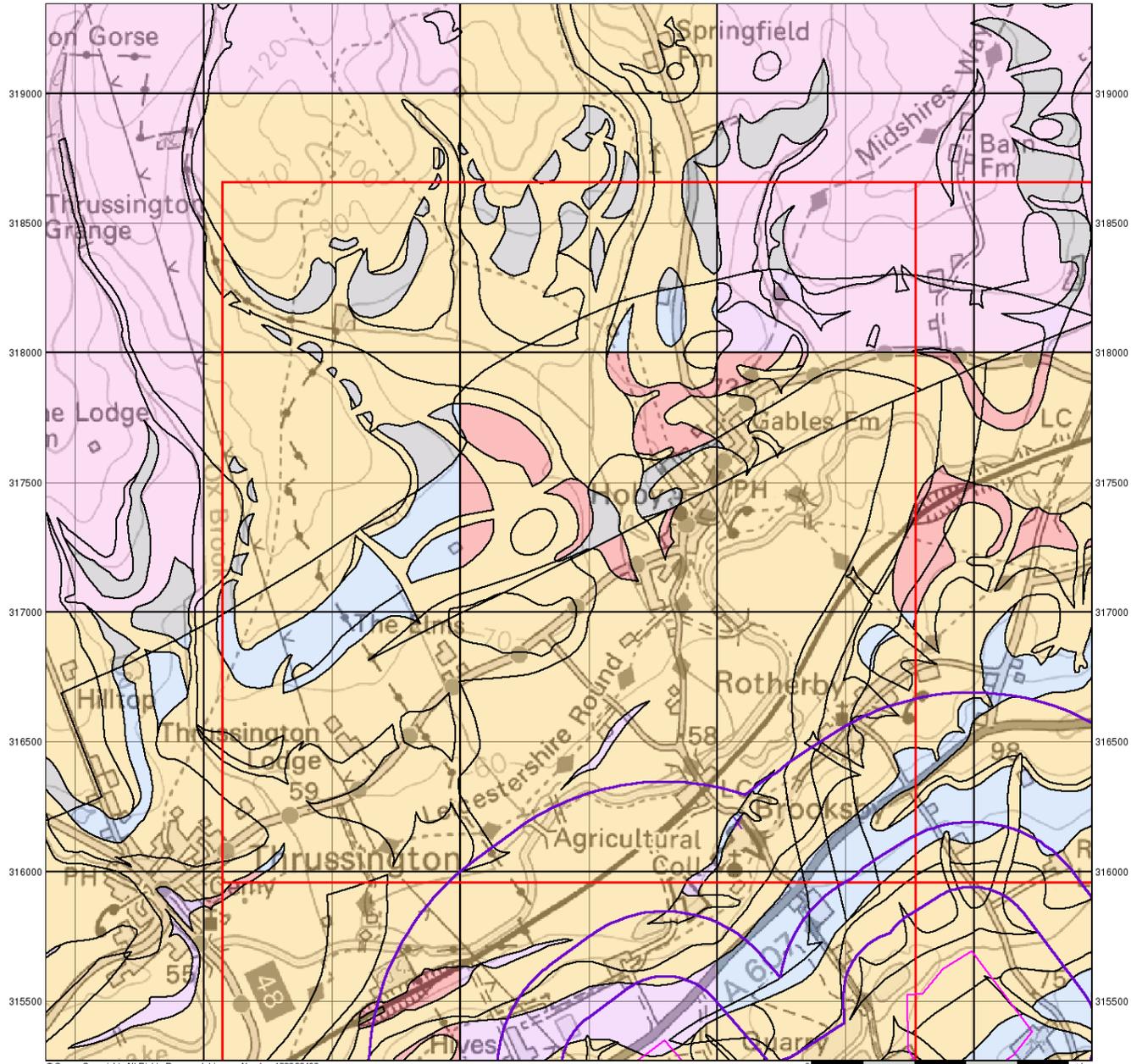
Site Details

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Groundwater Vulnerability

General

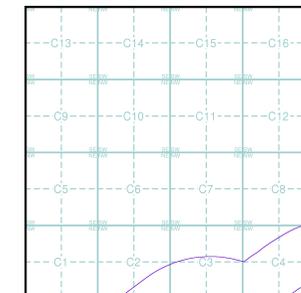
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

- | Bedrock Aquifers | Superficial Aquifers |
|---|---|
| High Vulnerability, Principal Aquifer | High Vulnerability, Principal Aquifer |
| High Vulnerability, Secondary Aquifer | High Vulnerability, Secondary Aquifer |
| Medium Vulnerability, Principal Aquifer | Medium Vulnerability, Principal Aquifer |
| Medium Vulnerability, Secondary Aquifer | Medium Vulnerability, Secondary Aquifer |
| Low Vulnerability, Principal Aquifer | Low Vulnerability, Principal Aquifer |
| Low Vulnerability, Secondary Aquifer | Low Vulnerability, Secondary Aquifer |

- Unproductive Aquifer
- Soluble Rock

Site Sensitivity Context Map - Slice C



Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 467080, 316190
 Slice: C
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

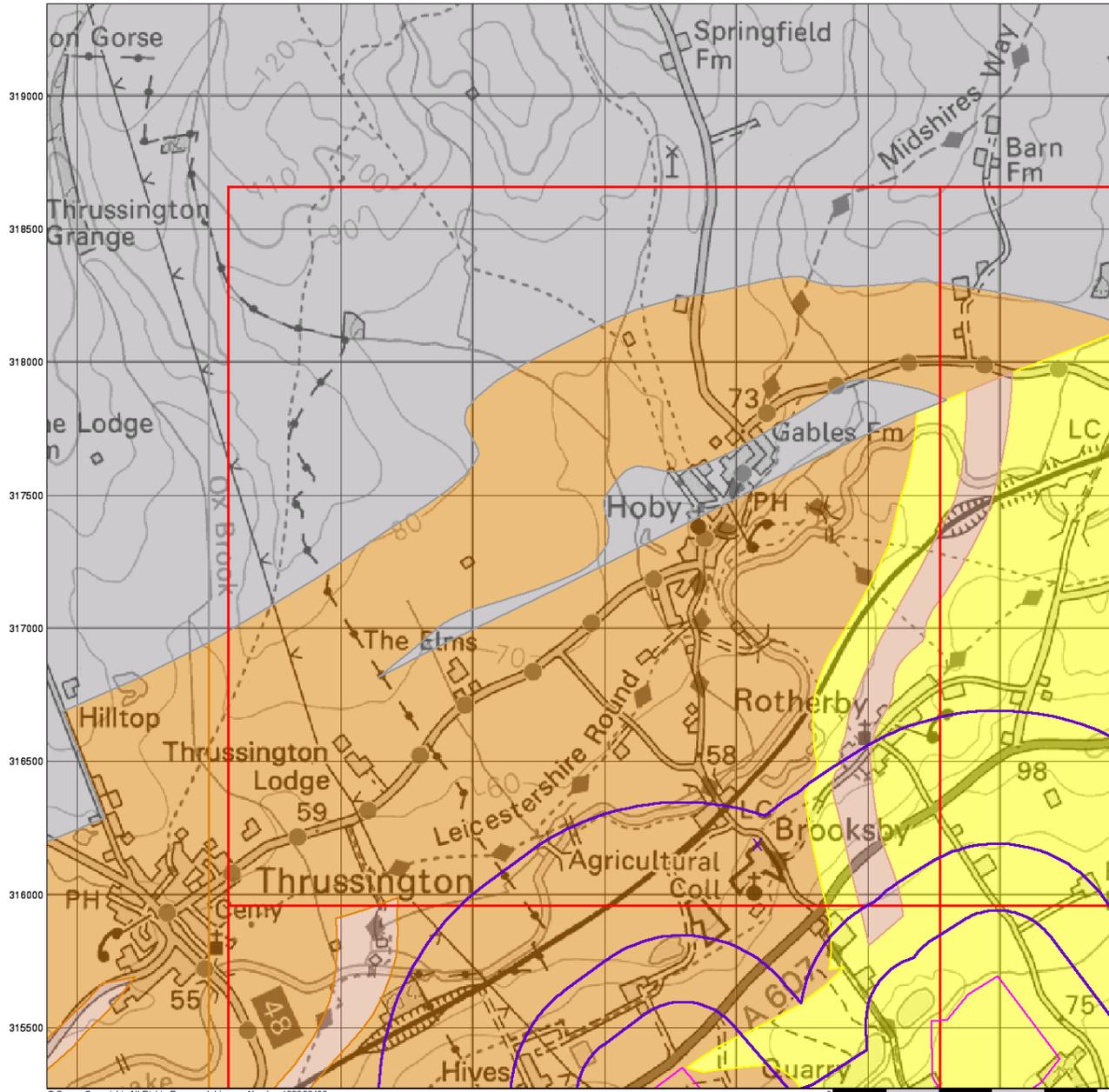
Site Details

Site at, Brooksby Grange Fm, Leicestershire

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Bedrock Aquifer Designation

General

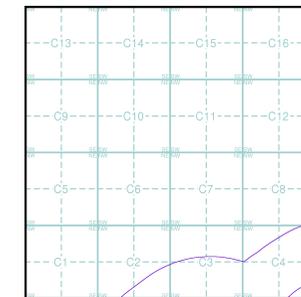
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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 C



Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 467080, 316190
 Slice: C
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

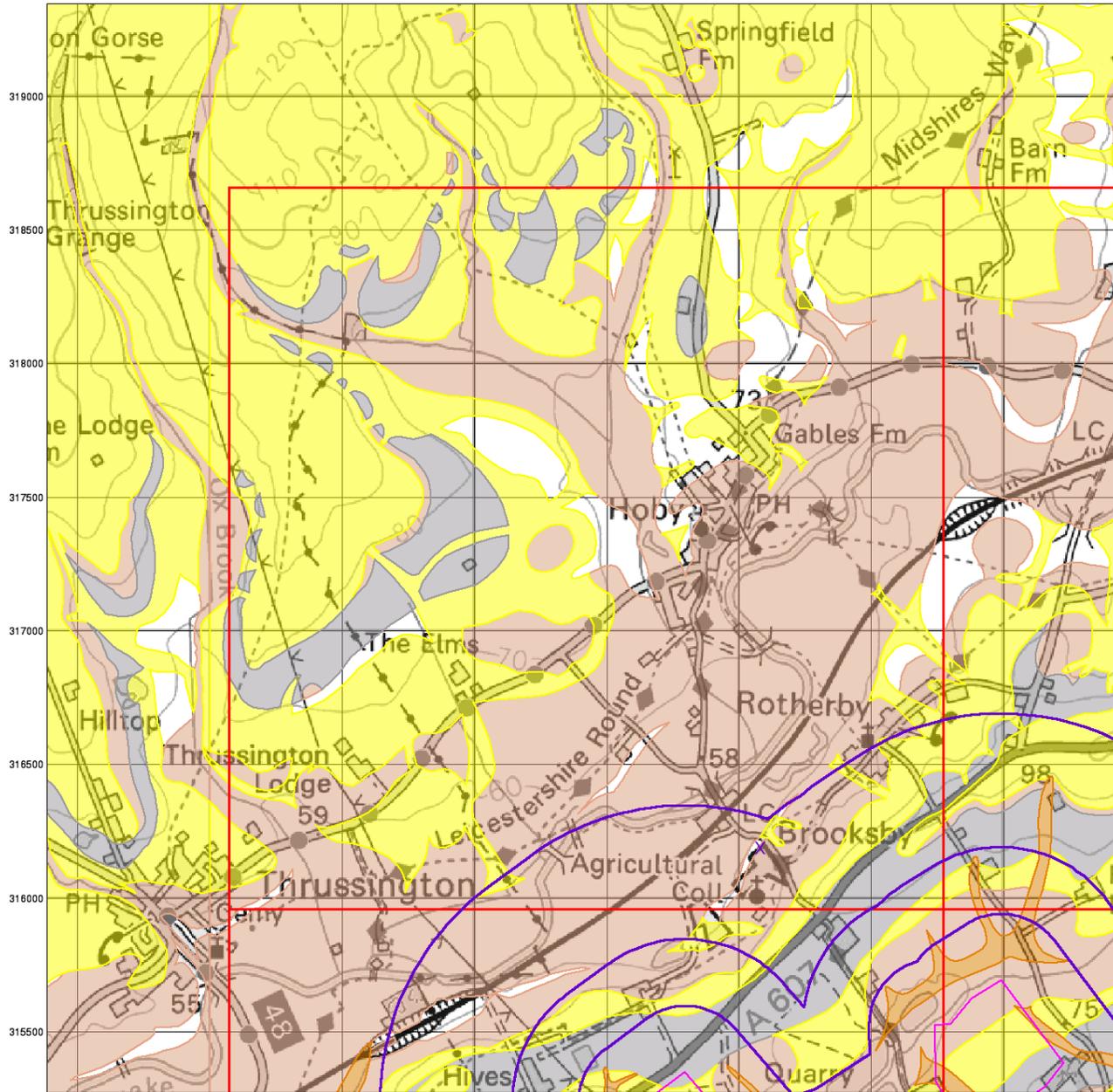
Site Details

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Superficial Aquifer Designation

General

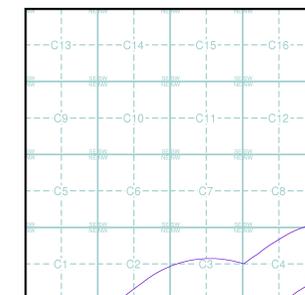
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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 C



Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 467080, 316190
 Slice: C
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

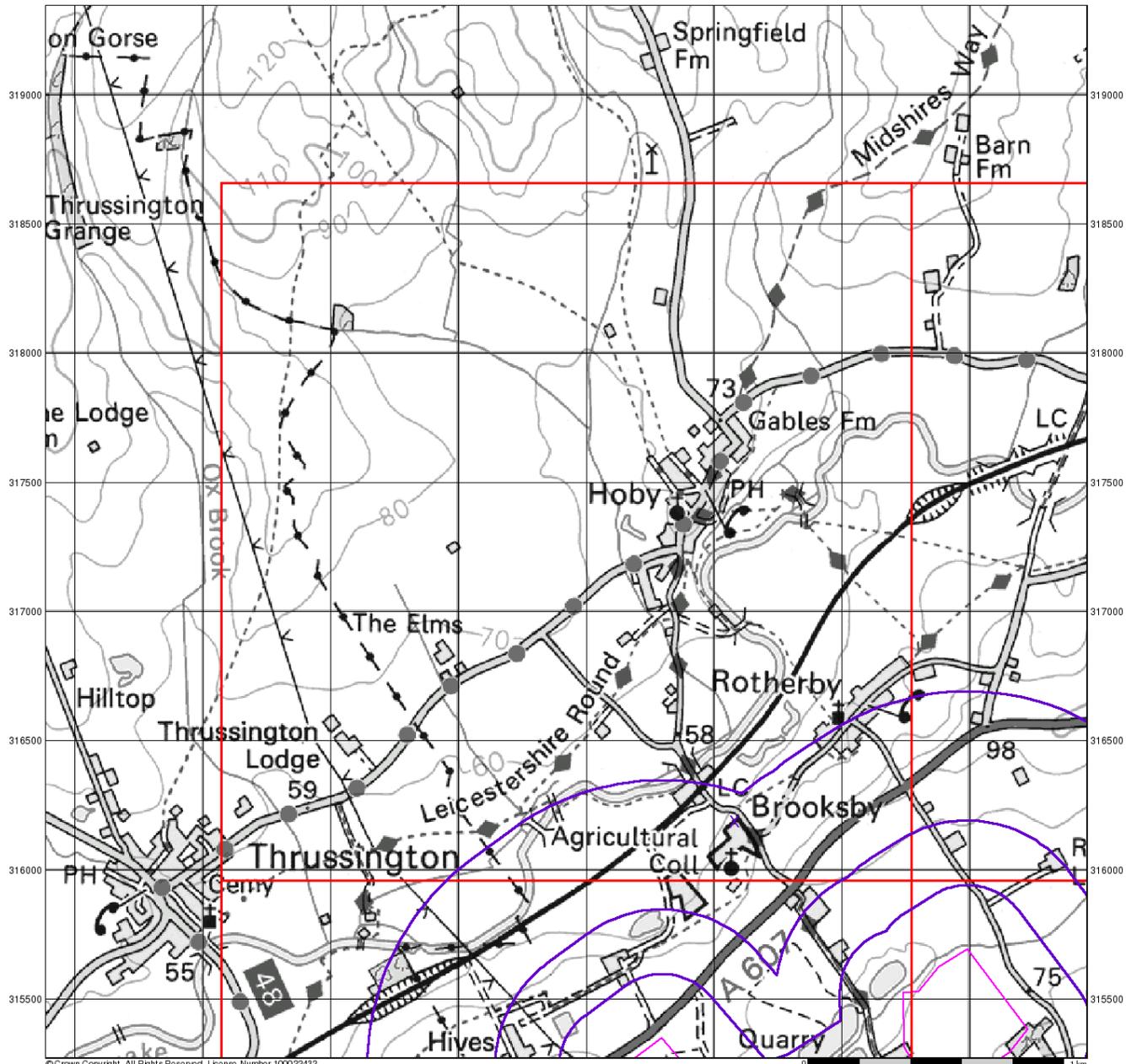
Site Details

Site at, Brooksby Grange Fm, Leicestershire

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Source Protection Zones

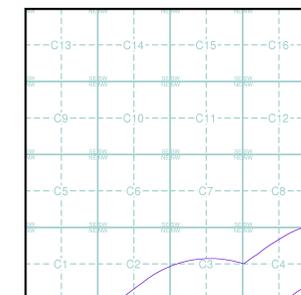
General

- 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 C



Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 467080, 316190
 Slice: C
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

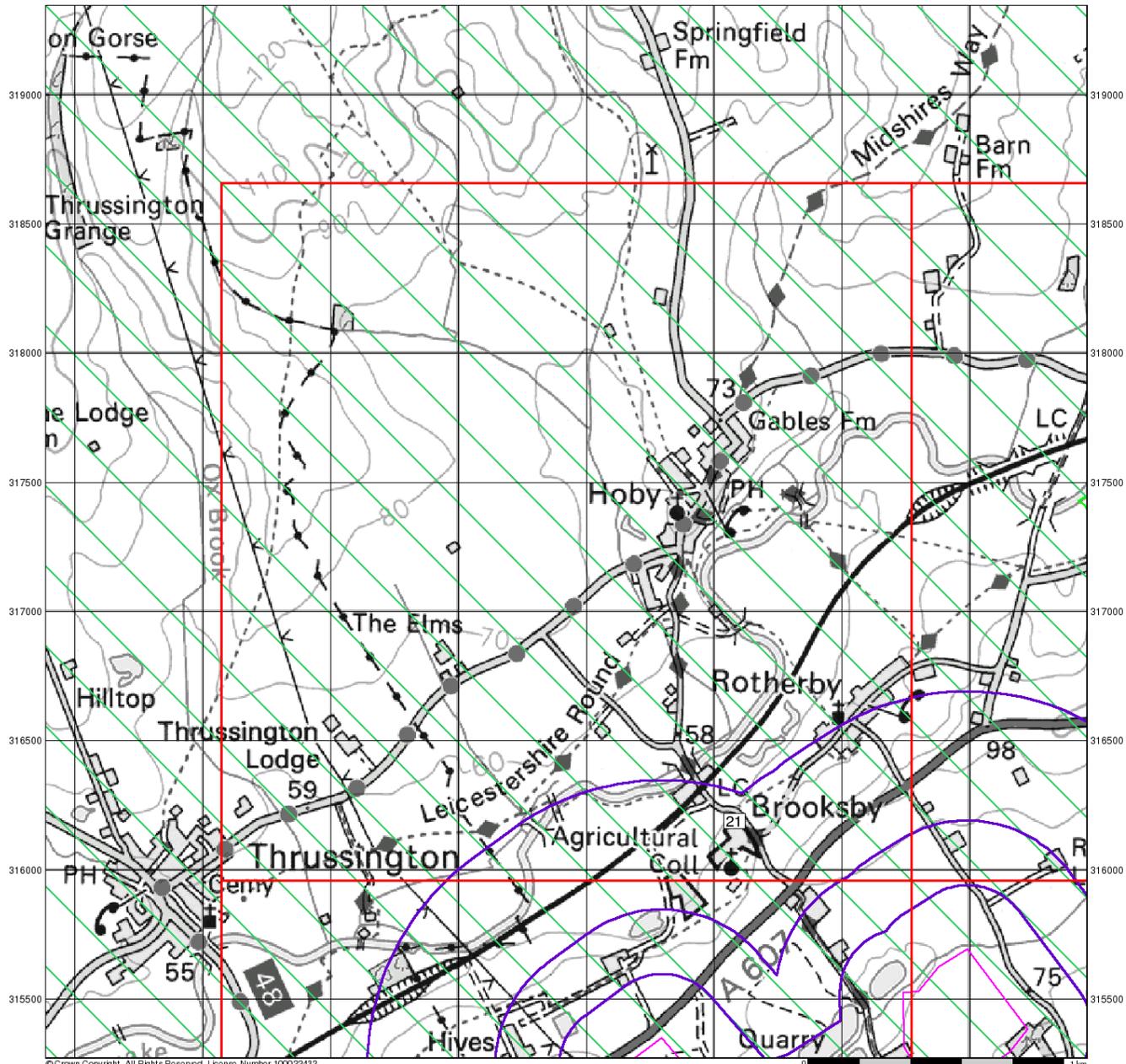
Site Details

Site at, Brooksby Grange Fm, Leicestershire

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Sensitive Land Uses

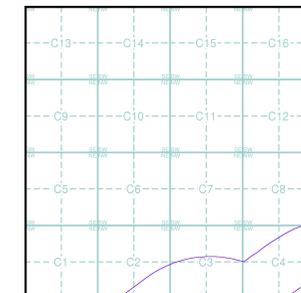
General

-  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
-  Marine 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 C



Order Details

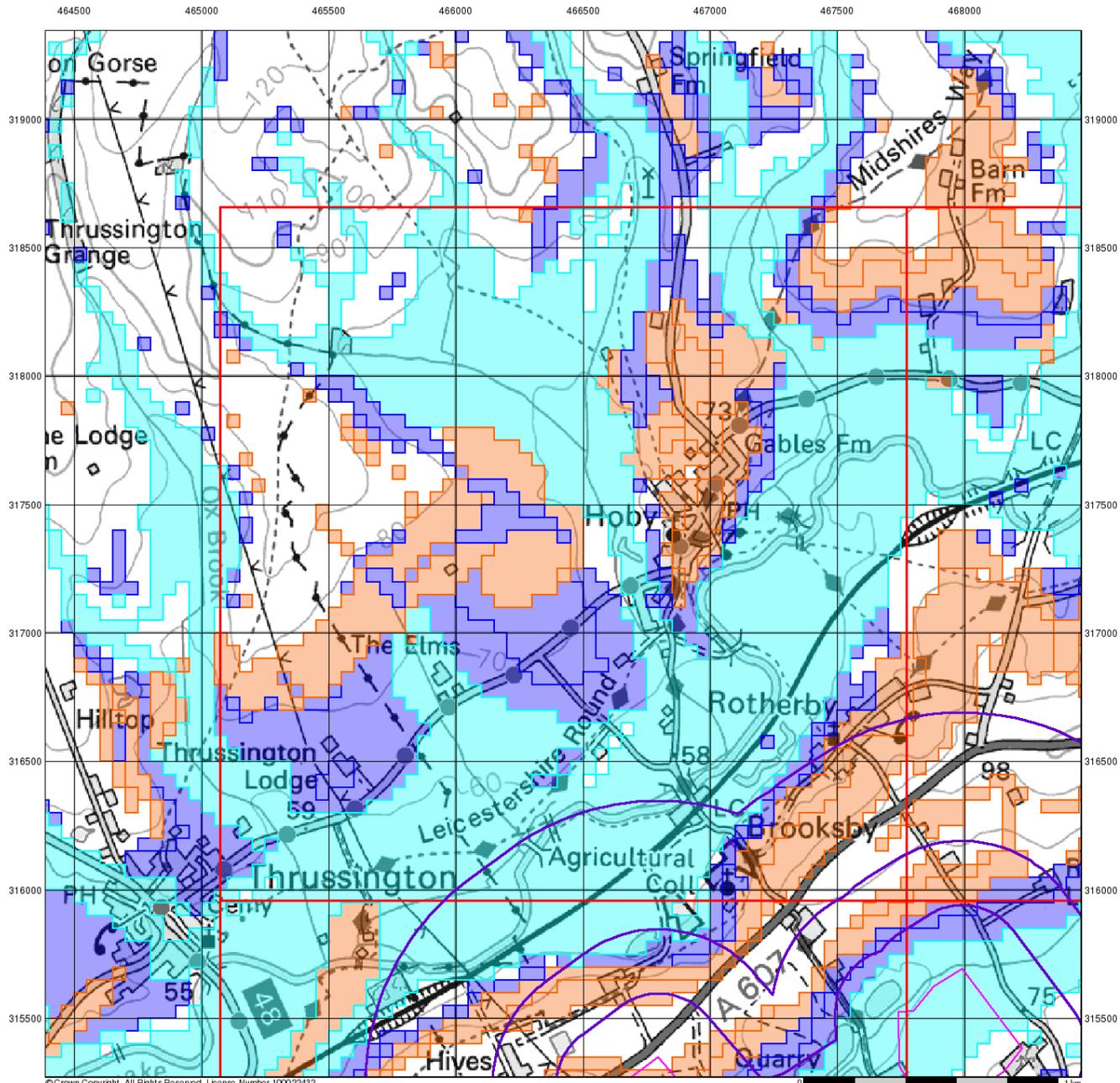
Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 467080, 316190
 Slice: C
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire

Landmark
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BGS Flood GFS Data

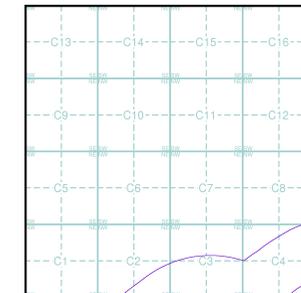
General

- 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 C



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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

282769965_1_1

Customer Reference:

TAR/BRO/AKM/5654/01

National Grid Reference:

467080, 316190

Slice:

C

Site Area (Ha):

35.96

Search Buffer (m):

1000

Site Details:

Site at

Brooksby Grange Fm

Leicestershire

Client Details:

Ms J Amphlett

MJCA

Baddesley Collier Offices

Main Road

Baxterley

Atherstone

Warwickshire

CV9 2LE

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	9
Hazardous Substances	-
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Data Suppliers	17
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Introduction

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2				2
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
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 2				Yes
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 2				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 3				1
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 3	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 6	1	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Source Protection Zones					
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 7				17

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					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 9	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
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					
Geological					
BGS 1:625,000 Solid Geology	pg 10	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 10	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 10	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 10	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 10	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

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 11				1
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 12	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: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	467550 315700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	467350 315600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	467100 315350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	467080 315450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SE)	0	1	467600 315650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SE)	30	1	468250 315450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	109	1	468300 315300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SE)	174	1	468400 315400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	183	1	467750 315900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	203	1	466950 315650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	220	1	467650 315850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	226	1	467500 315750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	243	1	466400 315300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	244	1	467600 315800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	252	1	467450 315800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	265	1	468050 316000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	271	1	467350 315500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	291	1	467400 315600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	297	1	467100 315500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	301	1	467400 315700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	303	1	467080 315800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	320	1	467600 315950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C3SE (S)	353	1	467050 316100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	356	1	467550 315900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	357	1	467000 315750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	405	1	467200 315550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C3SE (N)	405	1	467080 316200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	413	1	468050 316150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	452	1	467050 315800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	486	1	468100 316400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	489	1	466450 315750
1	Discharge Consents Operator: Severn Trent Water Authority Property Type: Not Given Location: Rotherby Sewage PS Authority: Environment Agency, Midlands Region Catchment Area: Not Given Reference: T/55/02241/O/5 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 1st May 1968 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: River Wreake(Eye) Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	C4NW (NE)	999	2	467400 316500
1	Discharge Consents Operator: Severn Trent Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Asfordby, Kirby Bellars, Rotherby Pss, Asfordby, Kirby Bellars And, Rotherby, Leicestershire Authority: Environment Agency, Midlands Region Catchment Area: Lower Wreake Catchment Reference: T/55/02241/O Permit Version: 1 Effective Date: 1st May 1968 Issued Date: 1st May 1968 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Wreake Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	C4NW (NE)	999	2	467400 316500
	Nearest Surface Water Feature	C3SE (SW)	571	-	466789 315963
	River Quality Name: Wreake R GQA Grade: River Quality B Reach: Fb Nr. Gables Fm To Queniborough Bk Estimated Distance (km): 8 Flow Rate: Flow less than 2.5 cumecs Flow Type: River Year: 2000	C3NE (NW)	694	2	467035 316297

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p>Water Abstractions</p> <p>Operator: Brooksby Agricultural College Licence Number: 03/28/55/0057 Permit Version: 100 Location: Brooksby - Spring Authority: Environment Agency, Midlands Region Abstraction: Schools and Colleges: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Brooksby Authorised Start: 01 February Authorised End: 30 November Permit Start Date: 26th November 1969 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	C3SE (SW)	661	2	466900 316000
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High</p>	(SE)	0	3	468000 315768
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High</p>	(SE)	0	3	467522 315792
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High</p>	(S)	0	3	467117 315357

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability</p> <p>Combined Vulnerability: Low</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	(SE)	0	3	467922 315243
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability</p> <p>Combined Vulnerability: Medium</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: 3-10m</p> <p>Superficial Recharge: High</p>	(S)	0	3	467000 315658
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability</p> <p>Combined Vulnerability: Low</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	(SE)	0	3	468000 315312
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: 3-10m</p> <p>Superficial Recharge: High</p>	(S)	0	3	466902 315336

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	(SE)	0	3	467666 315298
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	(SE)	0	3	467688 315442
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: 3-10m</p> <p>Superficial Recharge: High</p>	(SW)	0	3	466615 315340
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	(SE)	0	3	467778 315394

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	(SE)	0	3	468000 315553
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	(SE)	0	3	468041 315598
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	C3SE (S)	0	3	467080 316000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	C3SE (W)	0	3	467080 316189
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	C4SW (E)	0	3	467281 316230
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - B	(SW)	0	3	466615 315340
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - B	(SE)	0	3	467688 315442
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - B	(SE)	0	3	468041 315598
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(SE)	0	3	467666 315298
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(SE)	0	3	467778 315394
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(S)	0	3	466919 315376
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	C4SW (SE)	0	3	467318 316006
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	(SE)	0	3	467922 315243
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(SE)	0	3	467522 315792
	Extreme Flooding from Rivers or Sea without Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
3	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 516.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	C3SE (SW)	521	4	466901 316040
4	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 63.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	C3SE (SW)	648	4	466997 316021
5	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 796.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Wreake Catchment Name: Trent Primacy: 1	C2SE (W)	665	4	466320 316115
6	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 109.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	C3SE (SW)	694	4	467013 316032
7	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 12.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	C3SE (SW)	701	4	466911 316049
8	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 586.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	C2SE (W)	897	4	466271 316125
9	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 508.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	C3NW (NW)	903	4	466616 316401
10	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 356.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Wreake Catchment Name: Trent Primacy: 1	C3NW (W)	903	4	466578 316305

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 119.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	C4SW (NE)	923	4	467098 316220
12	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 209.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Wreake Catchment Name: Trent Primacy: 1	C3NE (W)	932	4	466763 316310
13	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 160.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Wreake Catchment Name: Trent Primacy: 1	C3NE (NW)	960	4	466911 316343
14	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 2	C3NE (NW)	963	4	466776 316323
15	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 31.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 2	C3NE (NW)	976	4	466805 316334
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 74.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	C3NW (W)	982	4	466627 316356
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 255.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 2	C3NE (NW)	987	4	466922 316387
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 2	C3NE (NW)	995	4	466924 316334
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 2	C3NE (NW)	995	4	466956 316340

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Leicestershire County Council - Has supplied landfill data		0	6	467080 316189
	Local Authority Landfill Coverage Name: Melton Borough Council - Landfill data has been supplied by another authority		0	5	467080 316189
	Local Authority Landfill Coverage Name: Charnwood Borough Council - Has no landfill data to supply		376	7	466309 315944

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Lias Group	(SE)	0	1	467273 315872
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	C3SE (W)	0	1	467080 316189
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	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	C3SE (W)	0	1	467080 316189
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SE (W)	0	1	467080 316189
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SE (W)	0	1	467080 316189
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3SE (W)	0	1	467080 316189
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3SE (W)	0	1	467080 316189
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	C4SW (SE)	0	1	467241 316054
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SE)	24	1	467522 315792
	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	C3SE (W)	0	1	467080 316189
	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	C3SE (W)	0	1	467080 316189

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	<p>Contemporary Trade Directory Entries</p> <p>Name: Tarmac Location: Melton Road, Brooksby, Melton Mowbray, Leicestershire, LE14 2LJ Classification: Quarries Status: Active Positional Accuracy: Manually positioned within the geographical locality</p>	C4SW (S)	787	-	467101 316073

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	Nitrate Vulnerable Zones Name: Soar R Nvz Description: Surface Water Source: Environment Agency, Head Office	C3SE (W)	0	3	467080 316189

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office Charnwood Borough Council - Environmental Health Department Melton Borough Council - Community Services	June 2020 September 2017 September 2017	Annually Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Midlands Region	April 2021	Quarterly
Enforcement and Prohibition Notices Environment Agency - Midlands Region	March 2013	
Integrated Pollution Controls Environment Agency - Midlands Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - Midlands Region	April 2021	Quarterly
Local Authority Integrated Pollution Prevention And Control Charnwood Borough Council - Environmental Health Department Melton Borough Council - Environmental Health Department	March 2015 May 2016	Variable Variable
Local Authority Pollution Prevention and Controls Charnwood Borough Council - Environmental Health Department Melton Borough Council - Environmental Health Department	March 2015 May 2016	Not Applicable Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Charnwood Borough Council - Environmental Health Department Melton Borough Council - Environmental Health Department	March 2015 May 2016	Variable Variable
Nearest Surface Water Feature Ordnance Survey	April 2021	
Pollution Incidents to Controlled Waters Environment Agency - Midlands Region	December 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Midlands Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Midlands Region	March 2013	
Registered Radioactive Substances Environment Agency - Midlands Region	June 2016	Annually
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	April 2021 April 2021	Quarterly Quarterly
Water Abstractions Environment Agency - Midlands Region	April 2021	Quarterly
Water Industry Act Referrals Environment Agency - Midlands Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually

Agency & Hydrological	Version	Update Cycle
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	May 2021	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	March 2021	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	March 2021	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	March 2021	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	March 2021	Quarterly
Flood Defences Environment Agency - Head Office	March 2021	Quarterly
OS Water Network Lines Ordnance Survey	July 2021	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	May 2021	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Midlands Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	April 2021 April 2021	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	April 2021 April 2021	Quarterly Quarterly
Local Authority Landfill Coverage Charnwood Borough Council - Environmental Health Department Leicestershire County Council Melton Borough Council - Environmental Health Department	February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Charnwood Borough Council - Environmental Health Department Leicestershire County Council Melton Borough Council - Environmental Health Department	October 2018 October 2018 October 2018	
Registered Landfill Sites Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	March 2006 March 2006	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	June 2015 June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Charnwood Borough Council Leicestershire County Council Melton Borough Council	February 2016 February 2016 February 2016	Variable Variable Variable
Planning Hazardous Substance Consents Charnwood Borough Council Leicestershire County Council Melton Borough Council	February 2016 February 2016 February 2016	Variable Variable Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
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	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	July 2021	Quarterly
Fuel Station Entries Catalist Ltd - Experian	June 2021	Quarterly
Gas Pipelines National Grid	May 2021	Annually
Underground Electrical Cables National Grid	May 2021	Annually
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt Charnwood Borough Council Melton Borough Council	October 2020 October 2020	Quarterly Quarterly
Areas of Unadopted Green Belt Charnwood Borough Council Melton Borough Council	October 2020 October 2020	Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	January 2021	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	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	 British Geological Survey <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
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	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	Melton Borough Council - Environmental Health Department Council Offices, Nottingham Road, Melton Mowbray, Leicestershire, LE13 0UL	Telephone: 01664 502502 Fax: 01664 410283 Website: www.melton.gov.uk
6	Leicestershire County Council County Hall, Glenfield, Leicestershire, LE3 8RH	Website: www.leics.gov.uk
7	Charnwood Borough Council - Environmental Health Department Macaulay House, 5 Cattle Market, Loughborough, Leicestershire, LE11 3DH	Telephone: 01509 634636 Fax: 01509 211703 Website: www.charnwoodbc.gov.uk
8	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 Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

General

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

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

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
- 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

Geological

- BGS Recorded Mineral Site

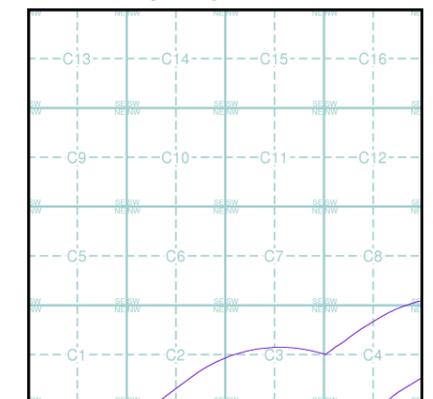
Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Hazardous Substances

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

Site Sensitivity Map - Slice C

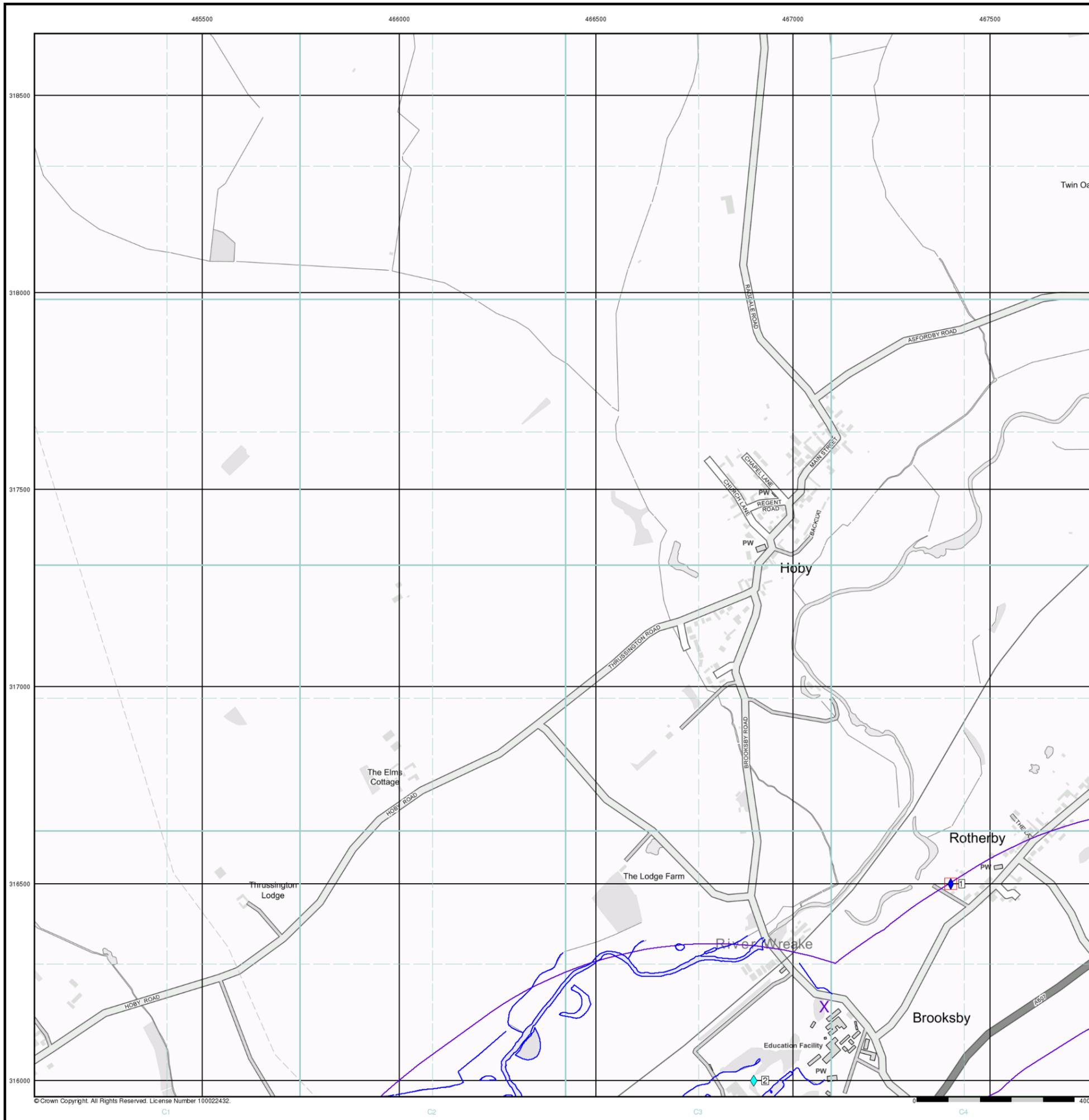


Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 467080, 316190
 Slice: C
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire



Industrial Land Use Map

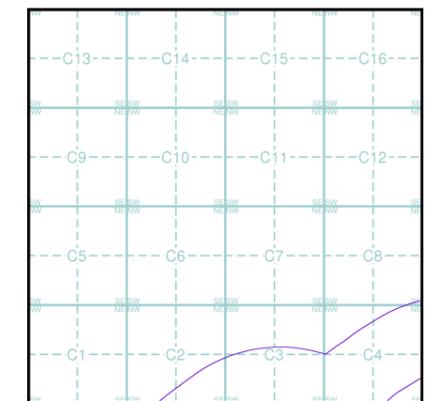
General

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

Industrial Land Use

-  Contemporary Trade Directory Entry
-  Fuel Station Entry
-  Gas Pipeline
-  Underground Electrical Cables

Industrial Land Use Map - Slice C

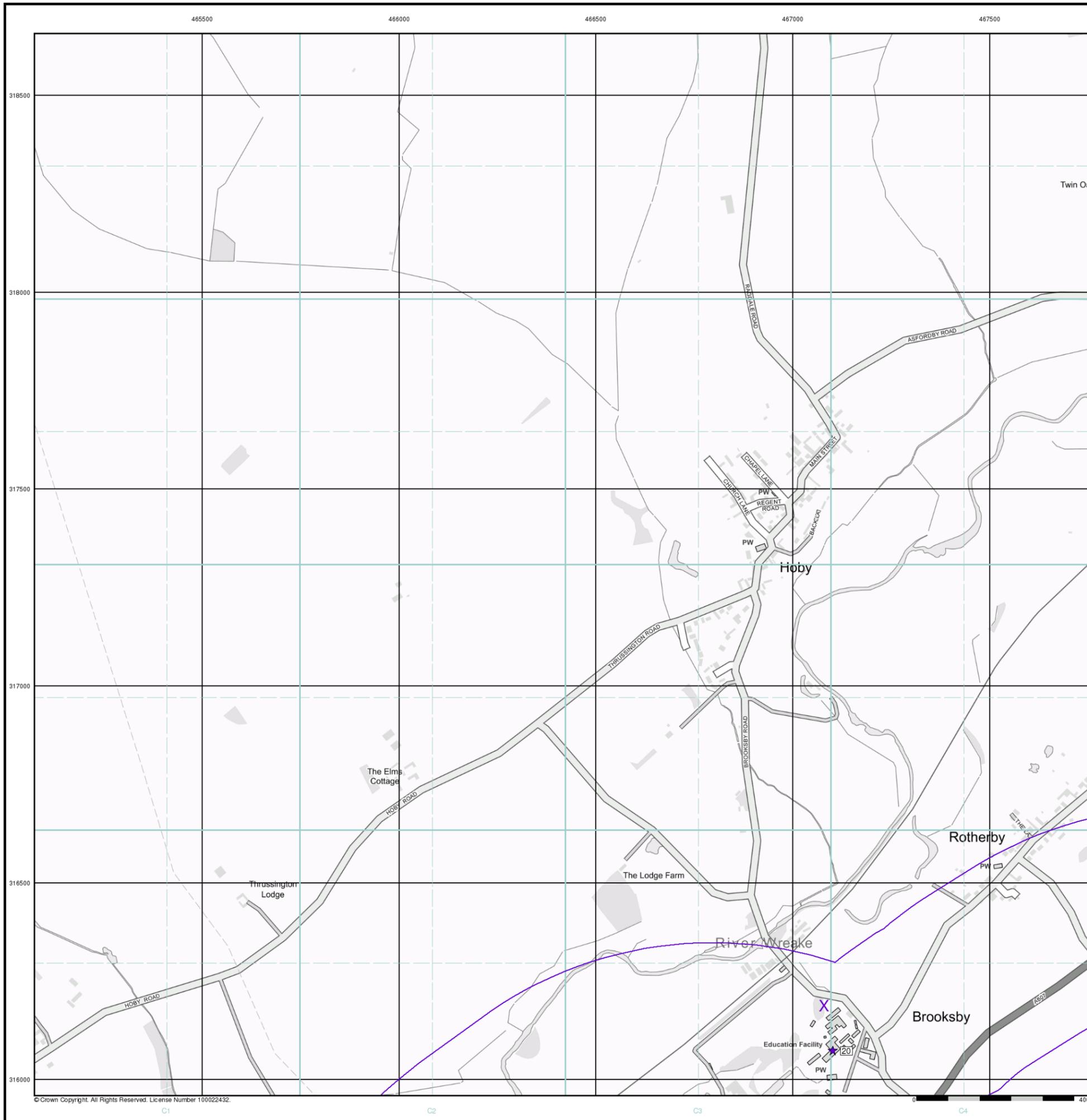


Order Details

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 National Grid Reference: 467080, 316190
 Slice: C
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire



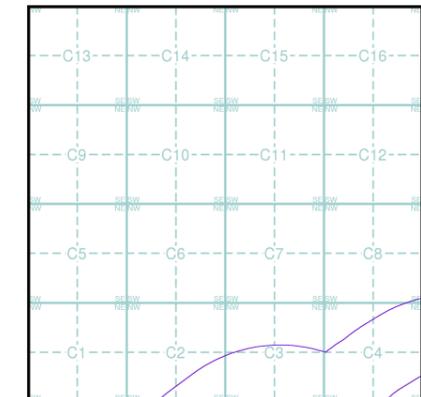
General

-  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 C

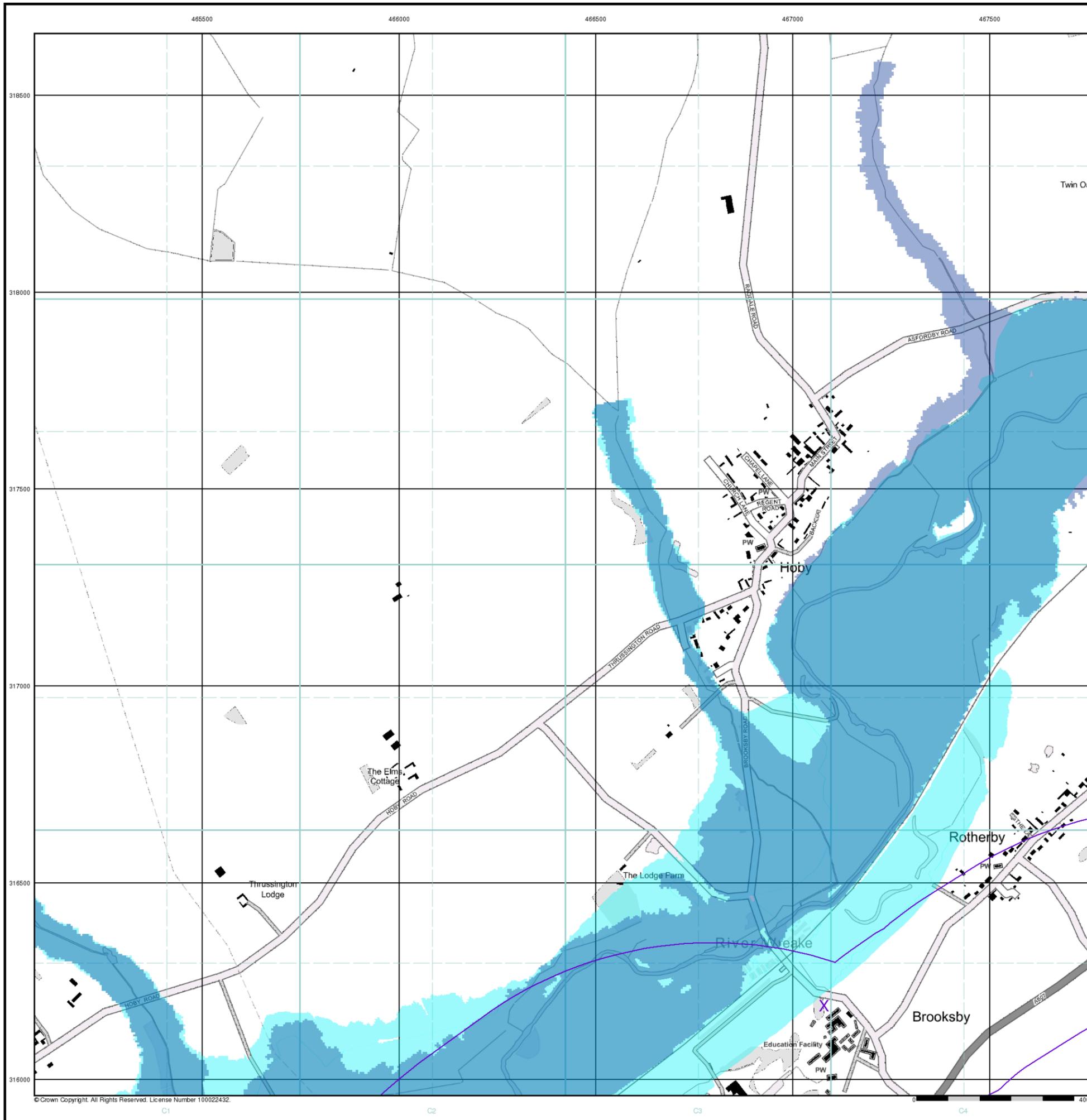


Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 467080, 316190
 Slice: C
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire



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General

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

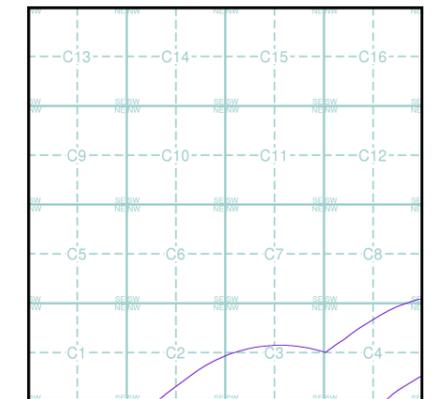
Agency and Hydrological (Boreholes)

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

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

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice C

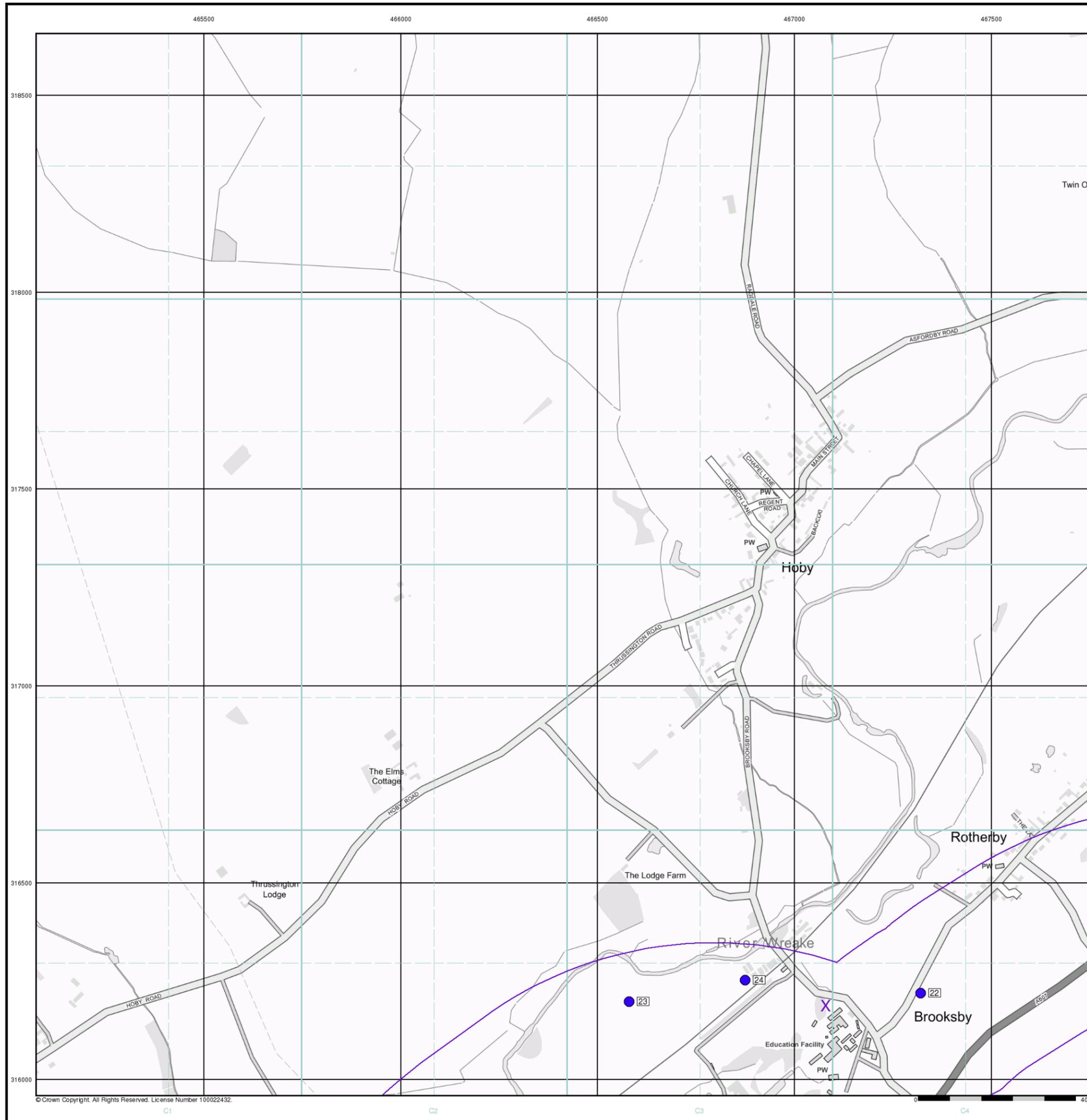


Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 467080, 316190
 Slice: C
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire



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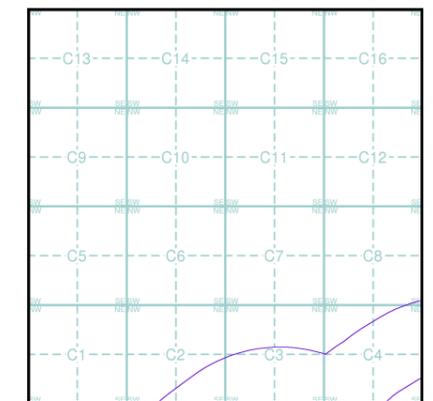
General

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

OS Water Network Data

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

OS Water Network Map - Slice C

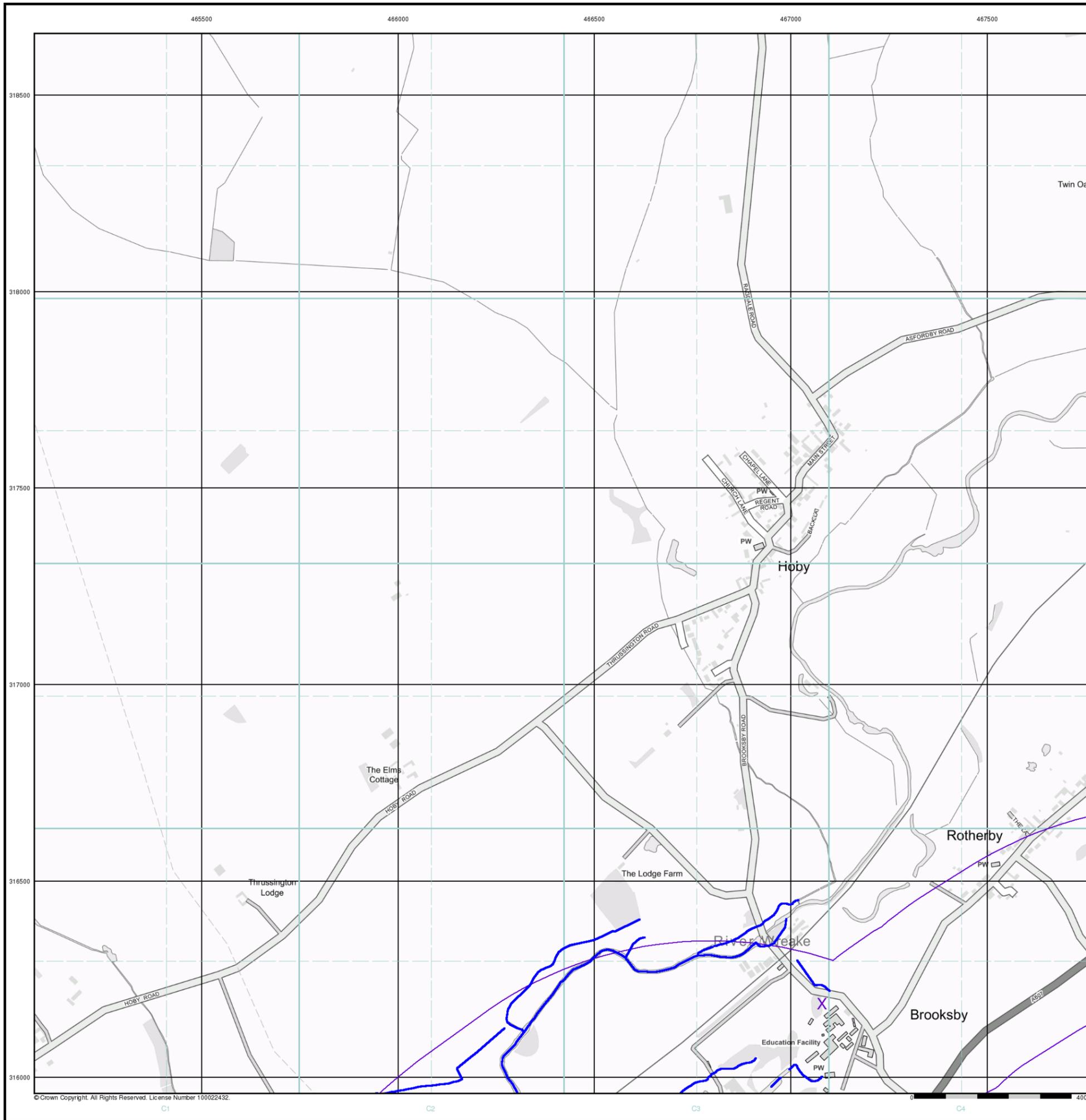


Order Details

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 National Grid Reference: 467080, 316190
 Slice: C
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

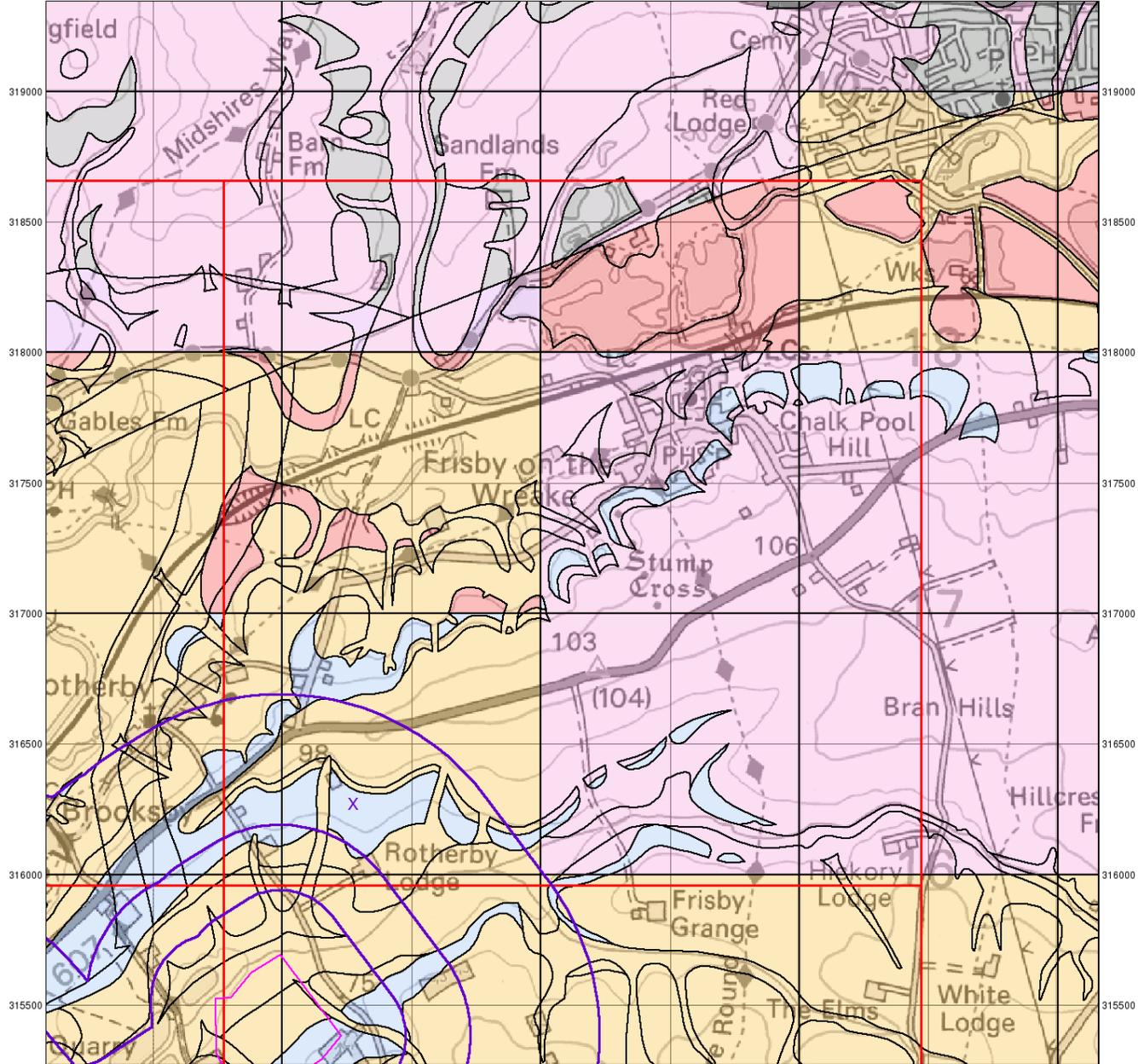
Site Details

Site at, Brooksby Grange Fm, Leicestershire



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Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers

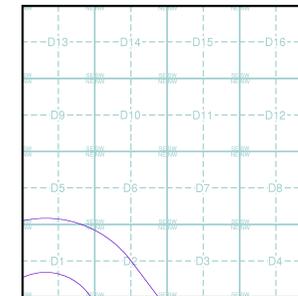
- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

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

- Unproductive Aquifer
- Soluble Rock

Site Sensitivity Context Map - Slice D



Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468270, 316270
 Slice: D
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

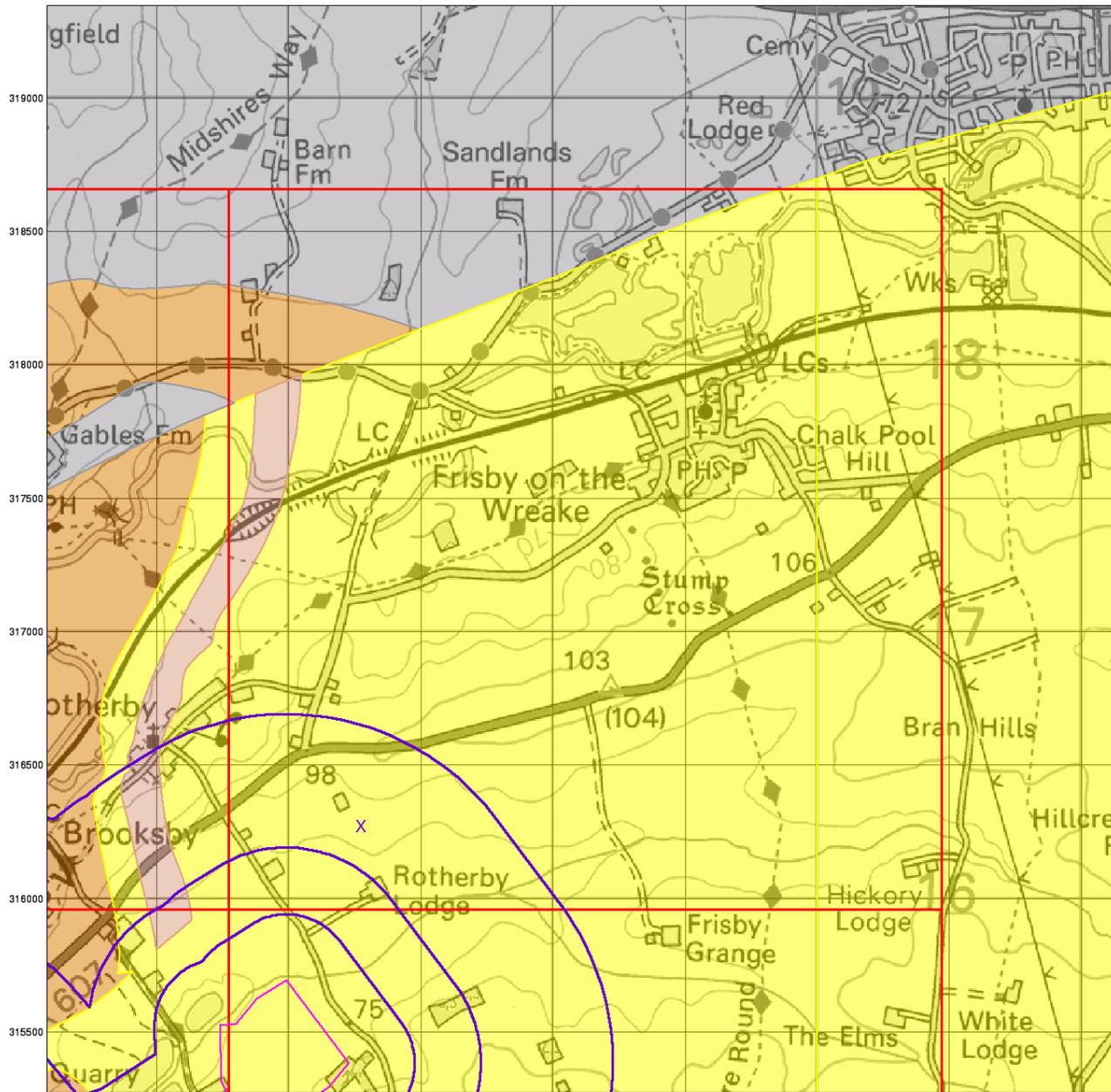
Site Details

Site at, Brooksby Grange Fm, Leicestershire

Landmark
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Tel: 0844 844 9952
 Fax: 0844 844 9951
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467500 468000 468500 469000 469500 470000 470500 471000



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0 1 km

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Bedrock Aquifer Designation

General

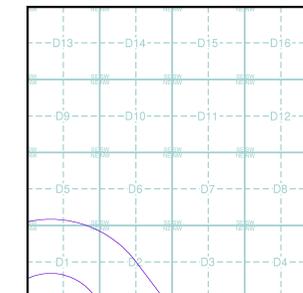
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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 D



Order Details

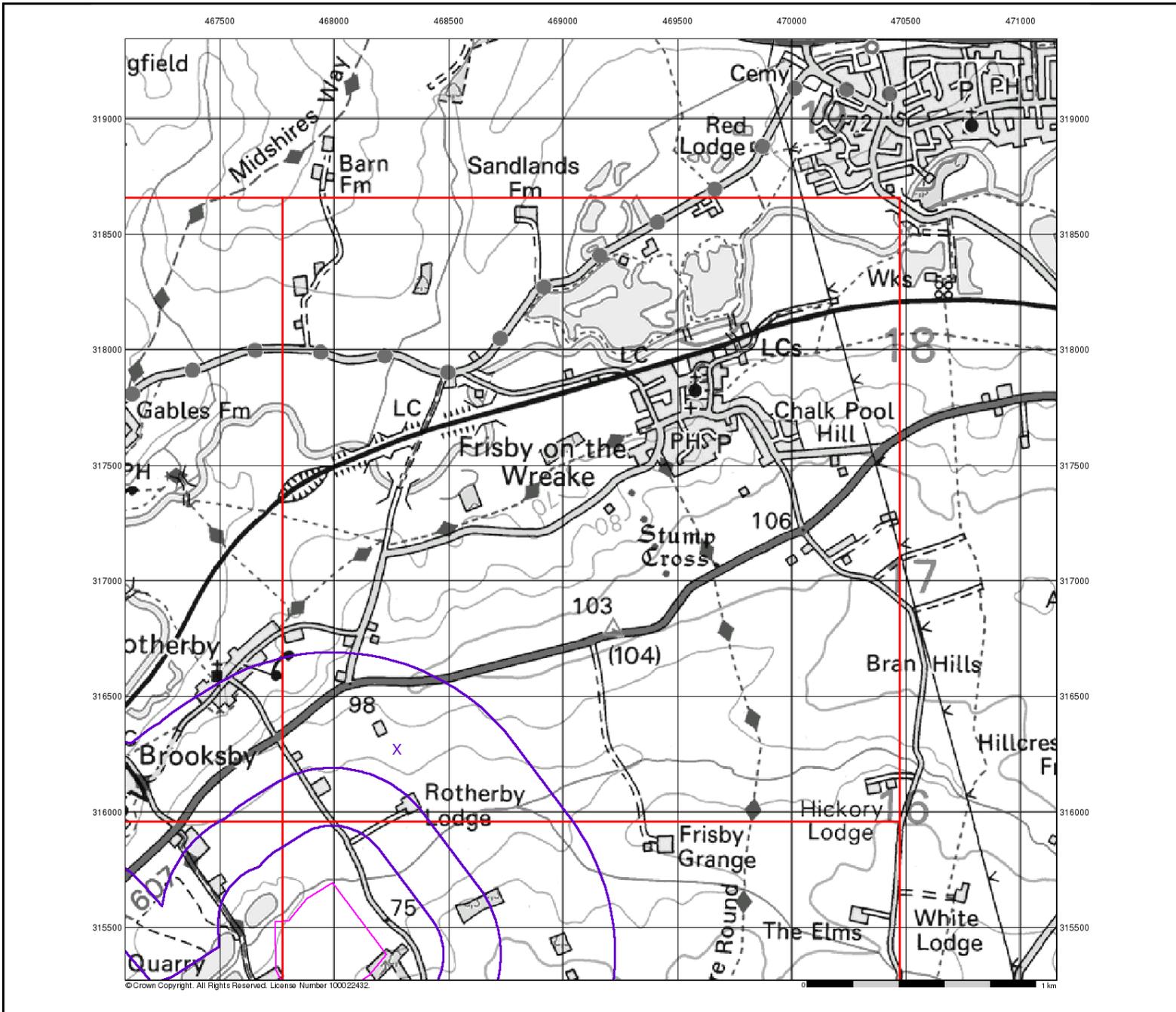
Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468270, 316270
 Slice: D
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire

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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 D

Order Details

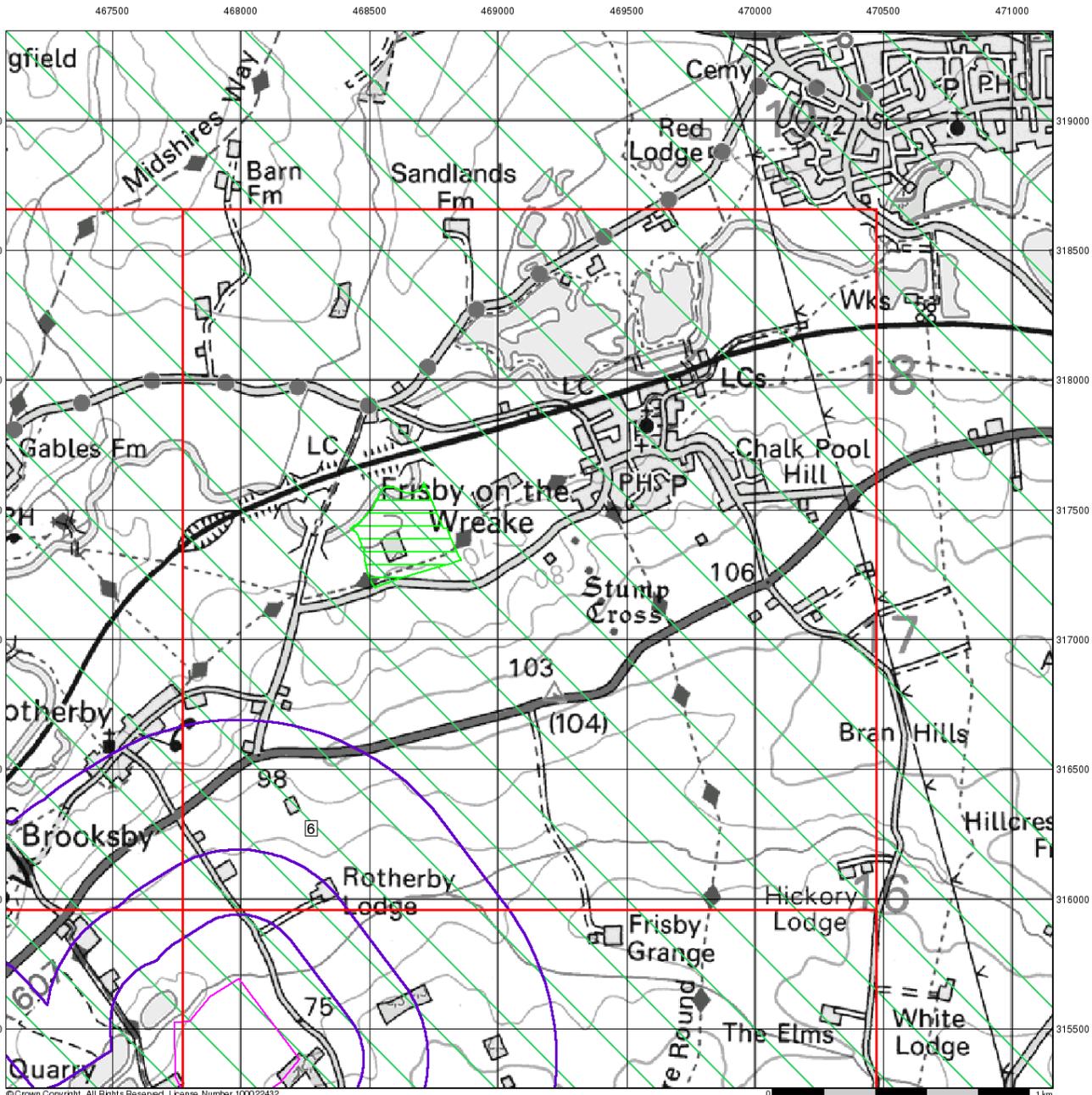
Order Number:	282769965_1_1
Customer Ref:	TAR/BRO/AKM/5654/01
National Grid Reference:	468270, 316270
Slice:	D
Site Area (Ha):	35.96
Search Buffer (m):	1000

Site Details
Site at, Brooksby Grange Fm, Leicestershire

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A Landmark Information Group Service v15.0 29-Jul-2021 Page 4 of 6



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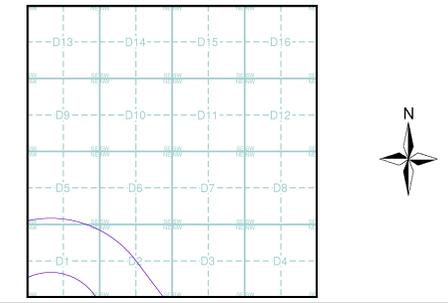
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Sensitive Land Uses

- 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
 - Marine 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 D



Order Details

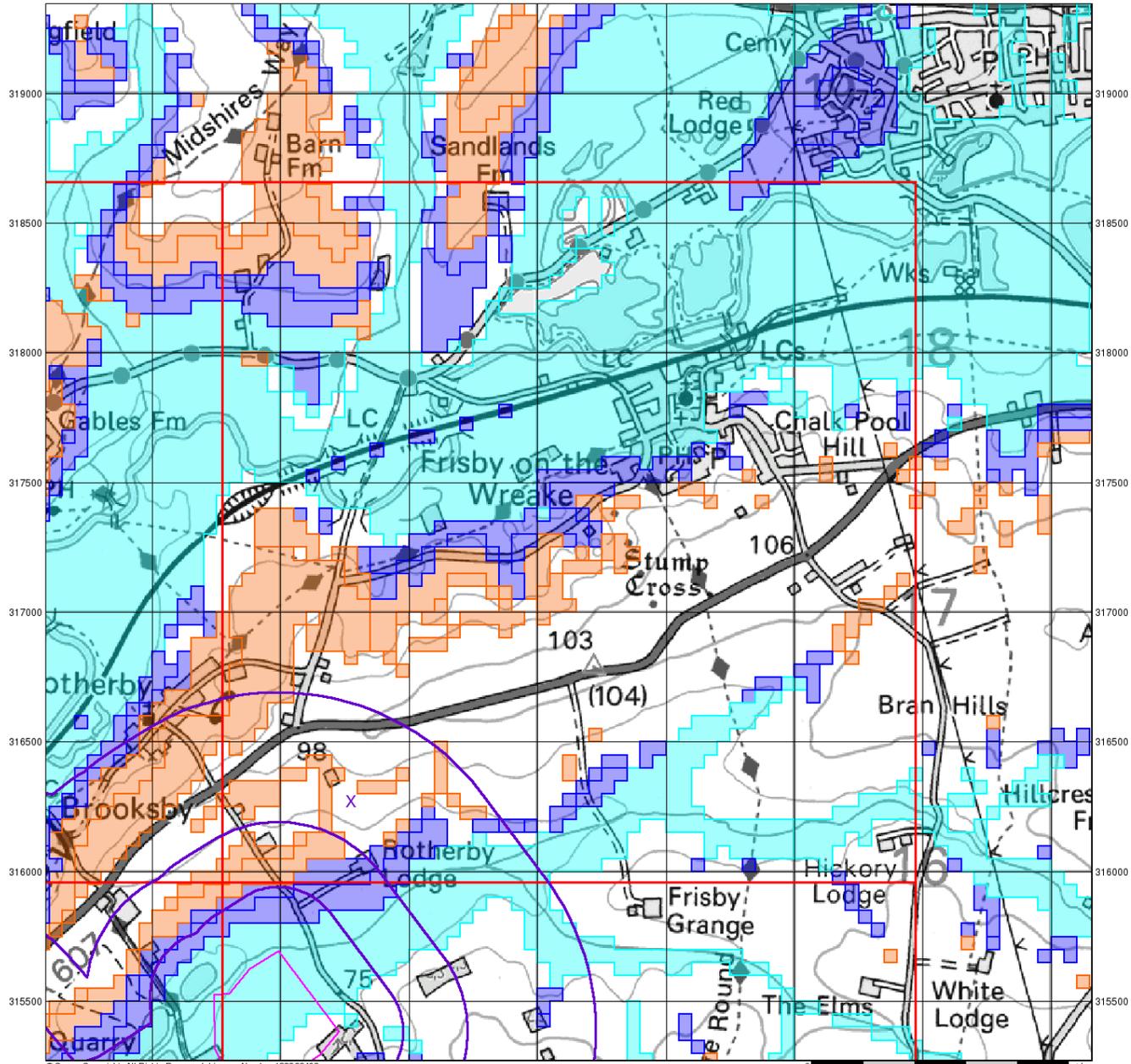
Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468270, 316270
 Slice: D
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details
 Site at, Brooksby Grange Fm, Leicestershire

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467500 468000 468500 469000 469500 470000 470500 471000



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BGS Flood GFS Data

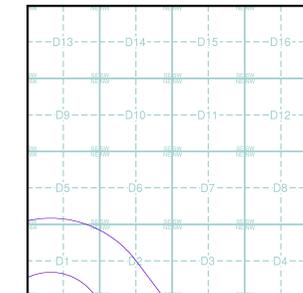
General

- 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 D



Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468270, 316270
 Slice: D
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire

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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

282769965_1_1

Customer Reference:

TAR/BRO/AKM/5654/01

National Grid Reference:

468270, 316270

Slice:

D

Site Area (Ha):

35.96

Search Buffer (m):

1000

Site Details:

Site at

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Leicestershire

Client Details:

Ms J Amphlett

MJCA

Baddesley Collier Offices

Main Road

Baxterley

Atherstone

Warwickshire

CV9 2LE

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	7
Hazardous Substances	-
Geological	8
Industrial Land Use	-
Sensitive Land Use	10
Data Currency	11
Data Suppliers	15
Useful Contacts	16

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.

For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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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	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents					
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
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 2			Yes	
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
Substantiated Pollution Incident Register					
River Quality Chemistry Sampling Points					
Water Abstractions	pg 2				(*2)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 2	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 5	1	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 5	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 5	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 5	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 5	Yes		n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 5		1		4

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					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 7	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
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					
Geological					
BGS 1:625,000 Solid Geology	pg 8	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 8	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 8	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 8	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 8	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 8	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

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries					
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 10	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: Potential for Groundwater Flooding of Property Situated Below Ground Level	D2SW (SE)	0	1	468450 316100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	467400 315600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	467200 315350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	467100 315450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	D2SW (SE)	0	1	468500 316050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	30	1	468274 315450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	109	1	468300 315300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	174	1	468400 315400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	183	1	468050 315950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	220	1	467750 315850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	226	1	467600 315750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	244	1	467650 315800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D1SE (S)	252	1	468250 316150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D1SE (SE)	265	1	468350 316100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	271	1	467400 315500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	275	1	468500 315350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	286	1	468500 315300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	291	1	467450 315600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	297	1	467200 315500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	301	1	467450 315700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	303	1	467100 315800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D1SW (SW)	320	1	468050 316100

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	(SW)	356	1	467600 315900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	405	1	467250 315550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NW)	405	1	467450 316650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D1SW (SW)	413	1	468100 316150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D1SE (W)	486	1	468200 316274
	Nearest Surface Water Feature	(SE)	484	-	468520 315904
	Water Abstractions Operator: C J Machin & Son Licence Number: 03/28/55/0100 Permit Version: 2 Location: Frisby On The Wreake Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Frisby On The Wreake Authorised Start: 01 June Authorised End: 31 August Permit Start Date: 19th February 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	D9SE (N)	1860	2	468200 317540
	Water Abstractions Operator: C J Machin & Son Licence Number: 03/28/55/0100 Permit Version: 1 Location: Frisby On The Wreake Authority: Environment Agency, Midlands Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Frisby On The Wreake Authorised Start: 01 June Authorised End: 31 August Permit Start Date: 20th December 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	D9SE (N)	1860	2	468200 317540
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	D1SE (S)	0	3	468264 316000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	D1SW (SW)	0	3	467883 316000
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	(SW)	0	3	467250 315266
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability</p> <p>Combined Vulnerability: Low</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	(S)	0	3	468000 315312
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability</p> <p>Combined Vulnerability: Low</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	(S)	0	3	468194 315450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	(SW)	0	3	467760 315299
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	(SW)	0	3	467688 315442
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	(S)	0	3	468000 315553
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: >10m</p> <p>Superficial Recharge: High</p>	(S)	0	3	468051 315588

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	(S)	0	3	468104 315592
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	D1SW (SW)	0	3	468000 316000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	(W)	0	3	467319 316052
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	D1SE (SW)	0	3	468274 316274
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - B	(SW)	0	3	467688 315442
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - B	(S)	0	3	468104 315592
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(SW)	0	3	467760 315299
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(S)	0	3	468051 315588
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	D1SE (W)	0	3	468133 316267
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	(S)	0	3	468194 315450
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	D1SE (S)	0	3	468214 316025
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	D2SW (SE)	0	2	468535 316010
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	D2SW (SE)	0	2	468520 315985
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
1	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 785.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	(SE)	122	4	468519 315902

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	D2SE (SE)	850	4	468818 316007
3	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: Trent Primacy: 1	D2SE (SE)	854	4	468823 316007
4	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 283.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	D2SE (SE)	881	4	468856 316010
5	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 431.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Trent Primacy: 1	D2SE (SE)	881	4	468856 316010

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Leicestershire County Council - Has supplied landfill data		0	6	468274 316274
	Local Authority Landfill Coverage Name: Melton Borough Council - Landfill data has been supplied by another authority		0	5	468274 316274

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Lias Group	D1SE (SW)	0	1	468274 316274
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	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	D1SE (SW)	0	1	468274 316274
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SE)	0	1	468619 315946
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1SE (W)	0	1	468181 316274
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D1SE (W)	0	1	468181 316274
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SE)	0	1	468619 315946
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1SE (SW)	0	1	468274 316274
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1SE (SW)	0	1	468274 316274
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1SE (SW)	0	1	468274 316274
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D2SW (SE)	0	1	468573 316049
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1SE (W)	0	1	468133 316267
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SE)	20	1	468619 315946
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D1SE (W)	63	1	468181 316274
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1SE (SW)	191	1	468274 316274
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D1NE (N)	0	1	468298 316343
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1SE (W)	0	1	468181 316274
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1SW (SW)	24	1	467874 316035
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1SW (SW)	169	1	468100 316038
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1SE (S)	191	1	468214 316025

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Radon Potential - Radon Affected Areas</p> <p>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).</p> <p>Source: British Geological Survey, National Geoscience Information Service</p>	D1SE (SW)	0	1	468274 316274
	<p>Radon Potential - Radon Protection Measures</p> <p>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions</p> <p>Source: British Geological Survey, National Geoscience Information Service</p>	D1SE (SW)	0	1	468274 316274

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Nitrate Vulnerable Zones Name: Soar R Nvz Description: Surface Water Source: Environment Agency, Head Office	D1SE (SW)	0	3	468274 316274

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office Melton Borough Council - Community Services	June 2020 September 2017	Annually Annual Rolling Update
Discharge Consents Environment Agency - Midlands Region	April 2021	Quarterly
Enforcement and Prohibition Notices Environment Agency - Midlands Region	March 2013	
Integrated Pollution Controls Environment Agency - Midlands Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - Midlands Region	April 2021	Quarterly
Local Authority Integrated Pollution Prevention And Control Melton Borough Council - Environmental Health Department	May 2016	Variable
Local Authority Pollution Prevention and Controls Melton Borough Council - Environmental Health Department	May 2016	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Melton Borough Council - Environmental Health Department	May 2016	Variable
Nearest Surface Water Feature Ordnance Survey	April 2021	
Pollution Incidents to Controlled Waters Environment Agency - Midlands Region	December 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Midlands Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Midlands Region	March 2013	
Registered Radioactive Substances Environment Agency - Midlands Region	June 2016	Annually
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	April 2021 April 2021	Quarterly Quarterly
Water Abstractions Environment Agency - Midlands Region	April 2021	Quarterly
Water Industry Act Referrals Environment Agency - Midlands Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	May 2021	Bi-Annually

Agency & Hydrological	Version	Update Cycle
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	March 2021	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	March 2021	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	March 2021	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	March 2021	Quarterly
Flood Defences Environment Agency - Head Office	March 2021	Quarterly
OS Water Network Lines Ordnance Survey	July 2021	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	May 2021	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Midlands Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	April 2021 April 2021	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	April 2021 April 2021	Quarterly Quarterly
Local Authority Landfill Coverage Leicestershire County Council Melton Borough Council - Environmental Health Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Leicestershire County Council Melton Borough Council - Environmental Health Department	October 2018 October 2018	
Registered Landfill Sites Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	March 2006 March 2006	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Midlands Region - East Area Environment Agency - Midlands Region - Lower Trent Area	June 2015 June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Leicestershire County Council Melton Borough Council	February 2016 February 2016	Variable Variable
Planning Hazardous Substance Consents Leicestershire County Council Melton Borough Council	February 2016 February 2016	Variable Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
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	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	July 2021	Quarterly
Fuel Station Entries Catalist Ltd - Experian	June 2021	Quarterly
Gas Pipelines National Grid	May 2021	Annually
Underground Electrical Cables National Grid	May 2021	Annually
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt Melton Borough Council	October 2020	Quarterly
Areas of Unadopted Green Belt Melton Borough Council	October 2020	Quarterly
Areas of Outstanding Natural Beauty Natural England	January 2021	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	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	 British Geological Survey <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
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	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	Melton Borough Council - Environmental Health Department Council Offices, Nottingham Road, Melton Mowbray, Leicestershire, LE13 0UL	Telephone: 01664 502502 Fax: 01664 410283 Website: www.melton.gov.uk
6	Leicestershire County Council County Hall, Glenfield, Leicestershire, LE3 8RH	Website: www.leics.gov.uk
7	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 Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

General

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

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- ◇ Discharge Consent
- ▲ Enforcement or Prohibition Notice
- ▲ Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- ▲ Local Authority Pollution Prevention and Control
- ▼ Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- ▼ Prosecution Relating to Authorised Processes
- ◆ Prosecution Relating to Controlled Waters
- ▲ Registered Radioactive Substance
- + River Network or Water Feature
- + River Quality Sampling Point
- Substantiated Pollution Incident Register
- ◆ Water Abstraction
- ◆ Water Industry Act Referral

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
- 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

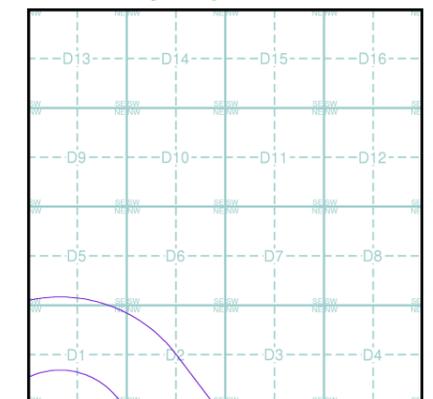
Geological

- ▼ BGS Recorded Mineral Site

Industrial Land Use

- ★ Contemporary Trade Directory Entry
- ★ Fuel Station Entry
- ✖ COMAH Site
- ✖ Explosive Site
- ✖ NIHS Site
- ✖ Planning Hazardous Substance Consent
- ✖ Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice D

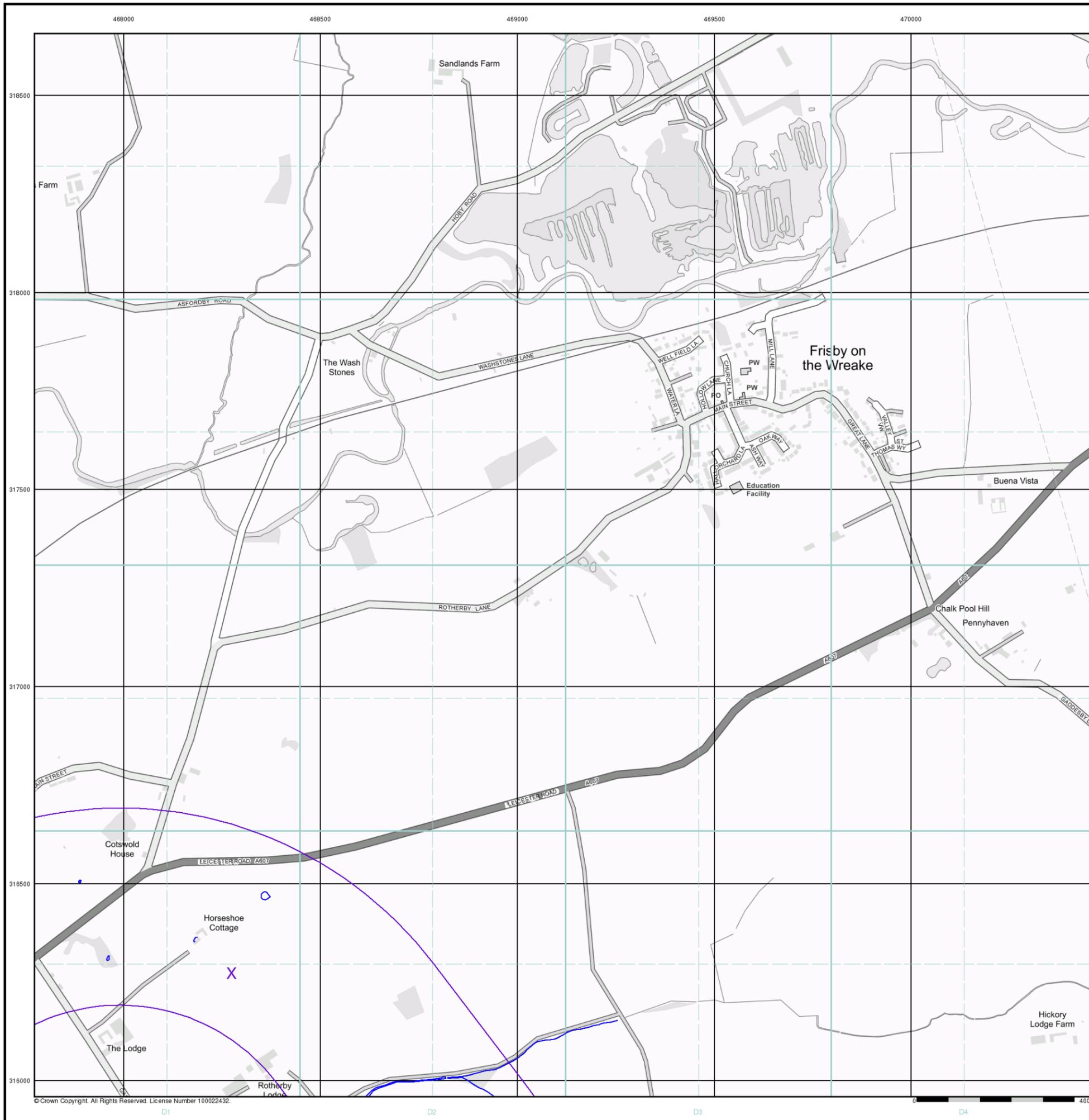


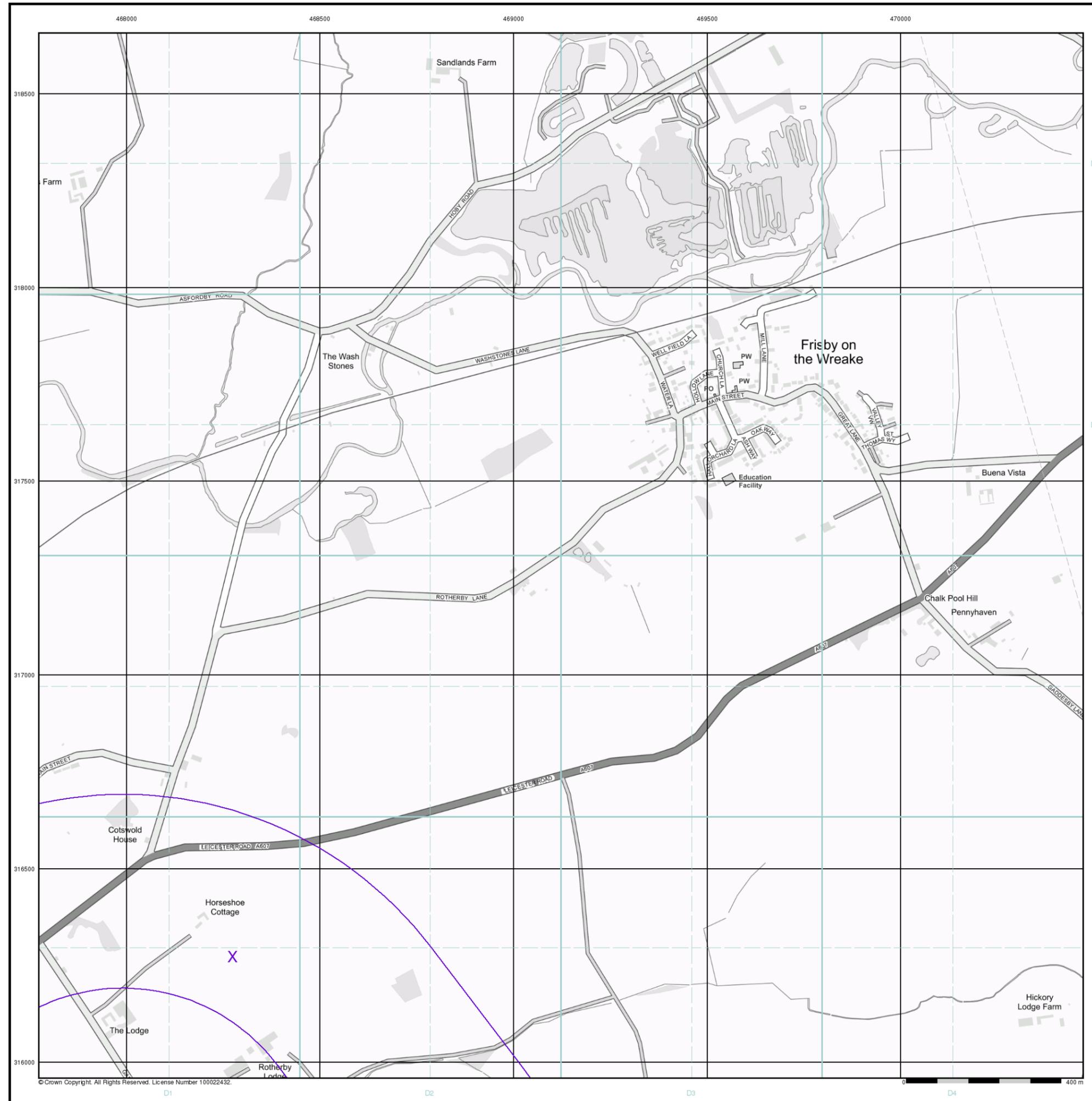
Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468270, 316270
 Slice: D
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire

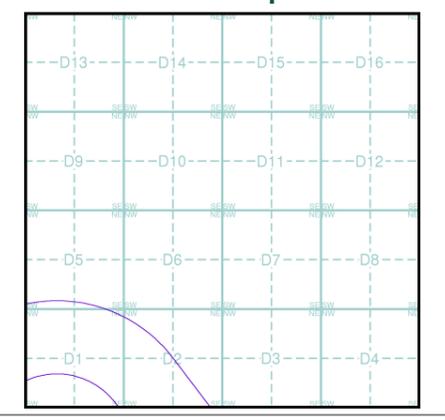




Industrial Land Use Map

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Slice
 - Map ID
- Industrial Land Use**
- Contemporary Trade Directory Entry
 - Fuel Station Entry
 - Gas Pipeline
 - Underground Electrical Cables

Industrial Land Use Map - Slice D



Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468270, 316270
 Slice: D
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details
 Site at, Brooksby Grange Fm, Leicestershire

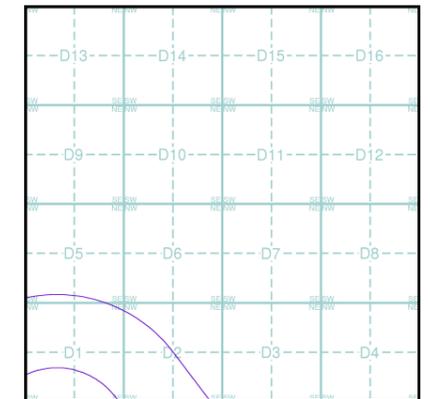
General

-  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 D



Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468270, 316270
 Slice: D
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire



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General

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

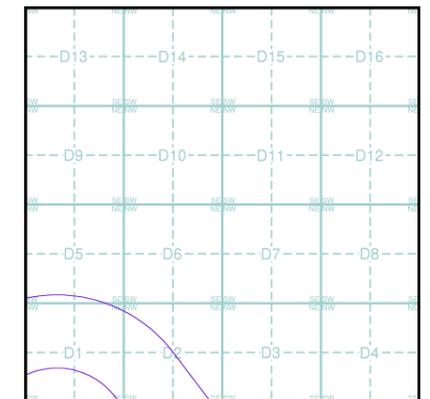
Agency and Hydrological (Boreholes)

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

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

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice D

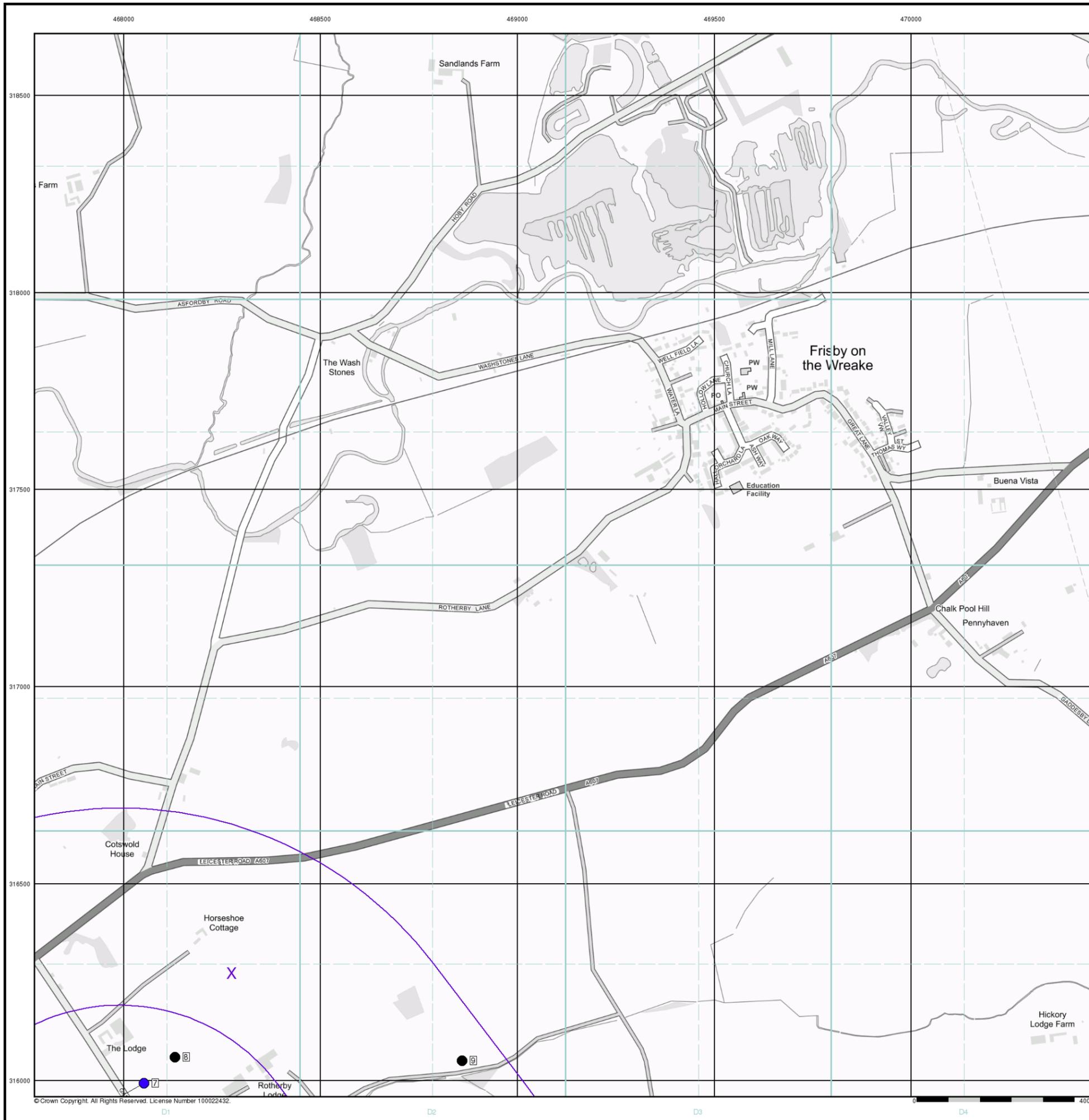


Order Details

Order Number: 282769965_1_1
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 National Grid Reference: 468270, 316270
 Slice: D
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 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire



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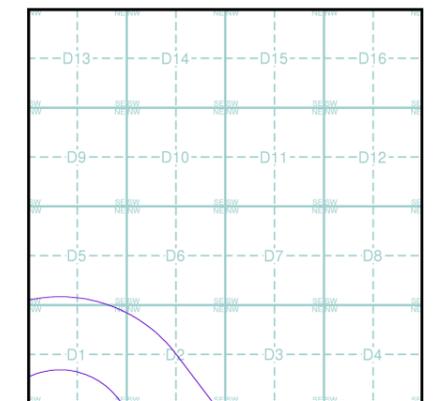
General

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

OS Water Network Data

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

OS Water Network Map - Slice D

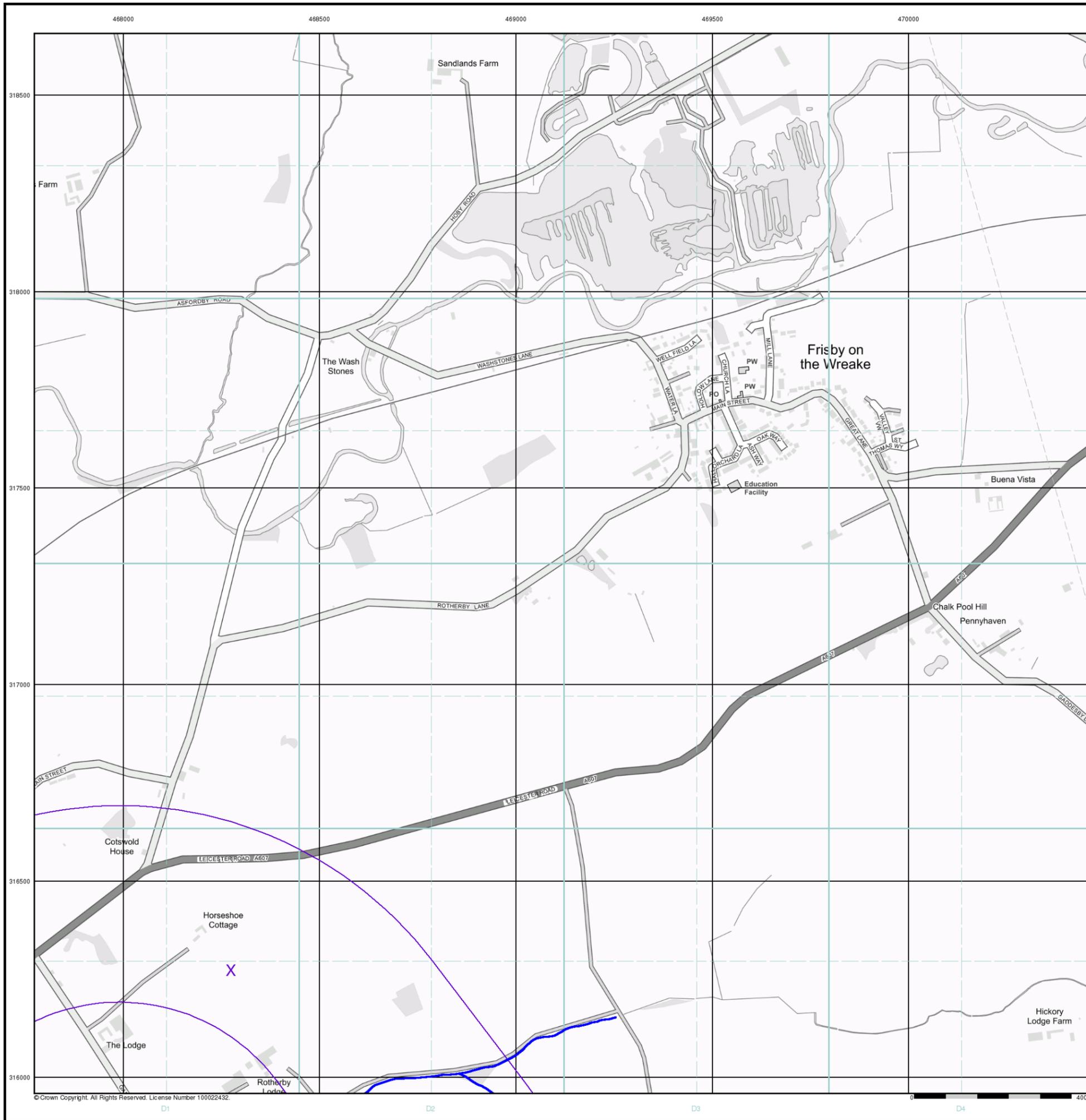


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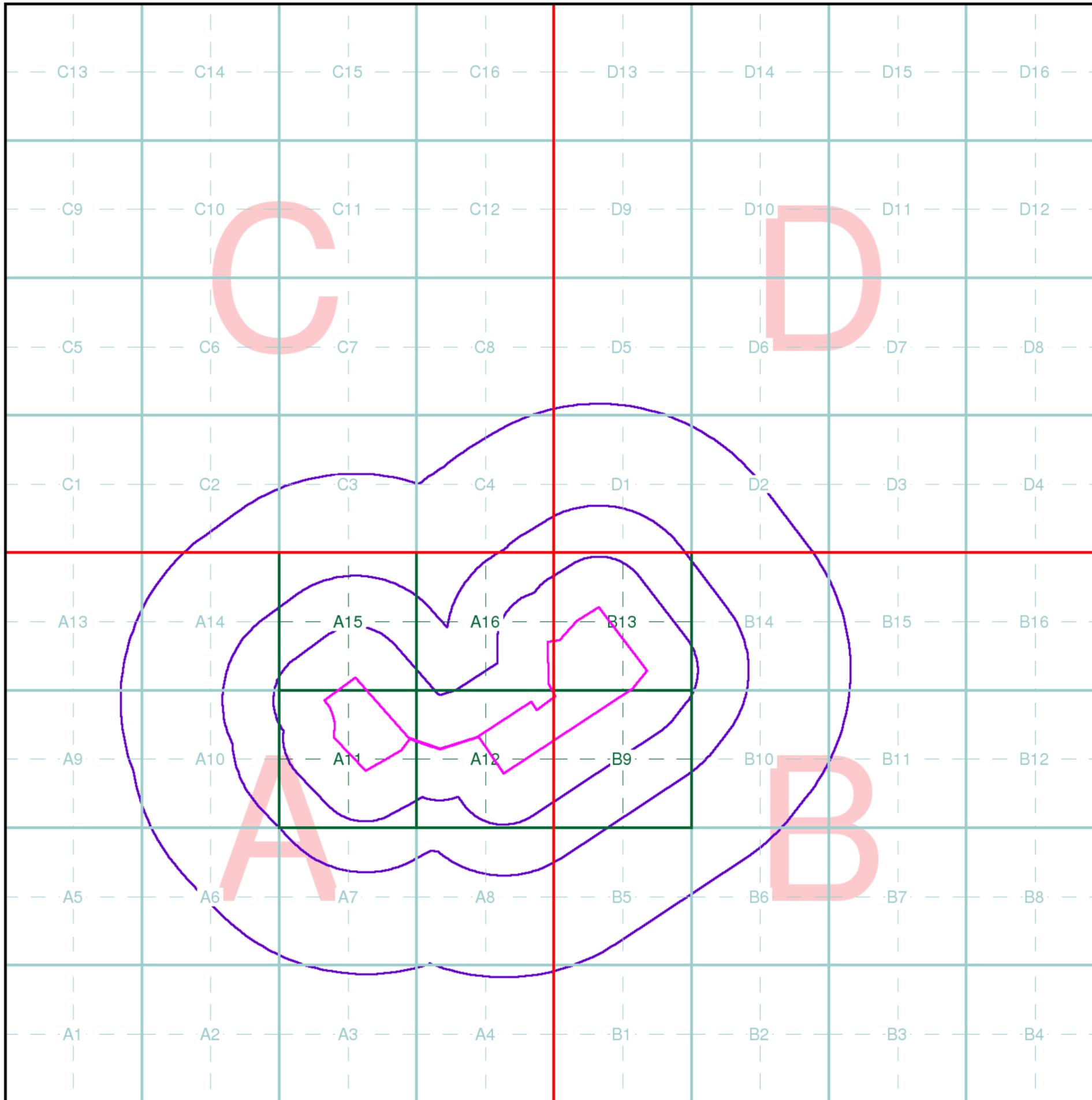
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 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 468270, 316270
 Slice: D
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

Site Details

Site at, Brooksby Grange Fm, Leicestershire



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Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice

Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment

A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant

A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Ms J Amphlett, MJCA, Baddesley Collier Offices, Main Road, Baxterley, Atherstone, Warwickshire, CV9 2LE

Order Details

Order Number: 282769965_1_1
 Customer Ref: TAR/BRO/AKM/5654/01
 National Grid Reference: 467560, 315240
 Site Area (Ha): 35.96
 Search Buffer (m): 1000

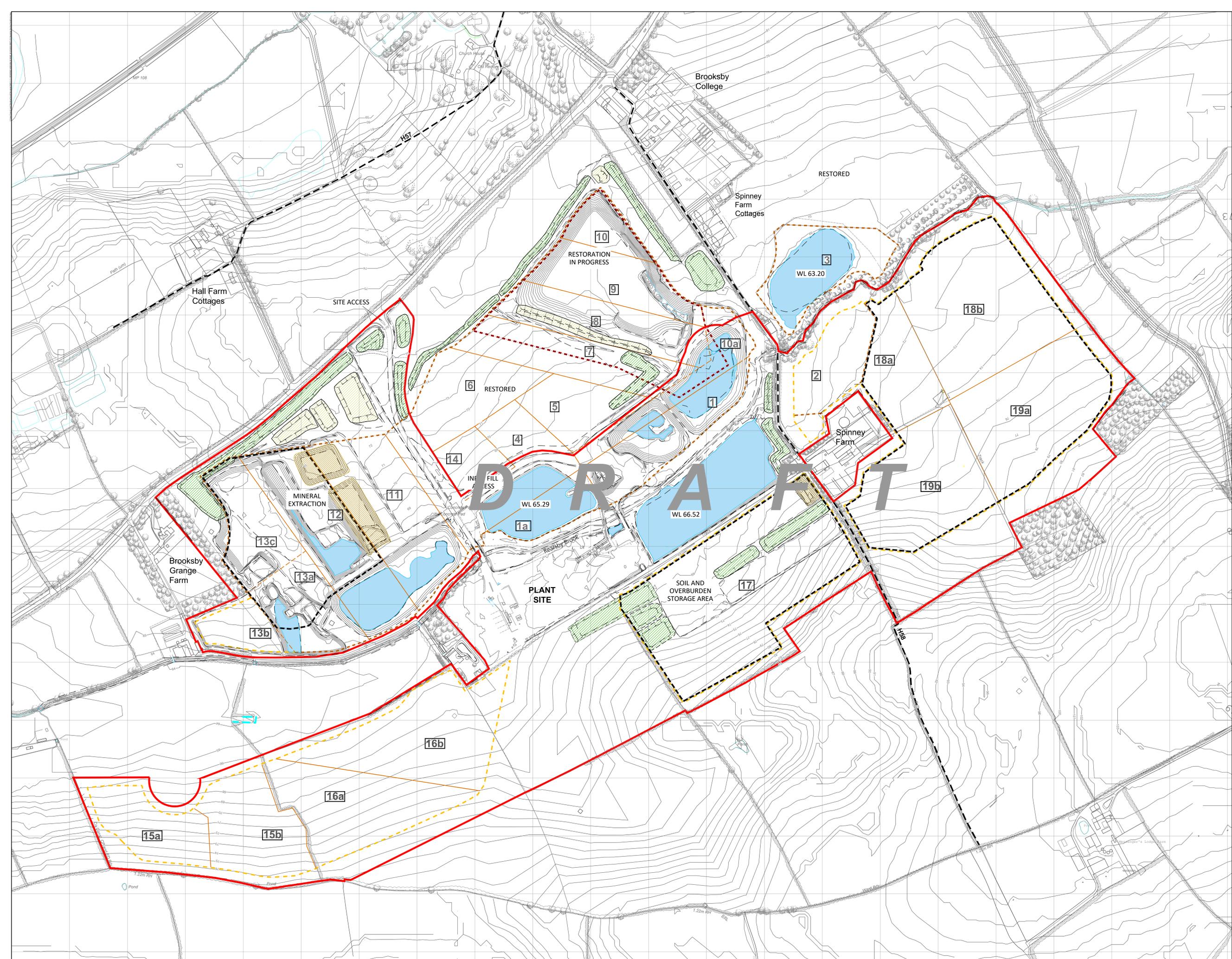
Site Details

Site at, Brooksby Grange Fm, Leicestershire

Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Show/515>

APPENDIX ESSD D

PHASING DRAWINGS REFERENCES B355-00071-01 TO B355-00071-10



- Legend**
- Boundary: Application Site (P22008/0443/06)
 - Existing Vegetation
 - Existing Contours at 1.0M Intervals
 - Subsoil Store
 - Overburden Store
 - Topsoil Store
 - Boundary: Consented Mineral Extraction
 - Boundary: Consented Restoration Using Imported Inert Fill Materials
 - Boundary: Proposed Restoration Using Overburden and Imported Inert Fill Materials
 - Boundary: Consented Mineral Extraction Phase and Boundary
 - Boundary: Proposed Extension of Mineral Extraction Phase and Boundary
 - Existing Brideway and Reference
 - H57
 - H58
 - H59

Notes

Related Drawings: DIA Drawing based on - TARMAC drawing - BROOKSBY - DU 2018-15-10 - OS Data - OS Profile, DTM, NSDI, 18454, 24995

Issue: Drawn by David Jarvis Associates Limited (CROWN COPYRIGHT). ALL RIGHTS RESERVED 2018 LICENCE NUMBER 01000311. This drawing is for Planning purposes only - Do not use this drawing for construction. The information contained in the drawing should be used as a guide to the final form and finish of the landscape scheme. Any revisions to be approved by the Client and Local Authority.

Scaling: Do not scale this drawing. Use given dimensions only.

Survey: Original survey provided by the Client.

DAVID JARVIS ASSOCIATES

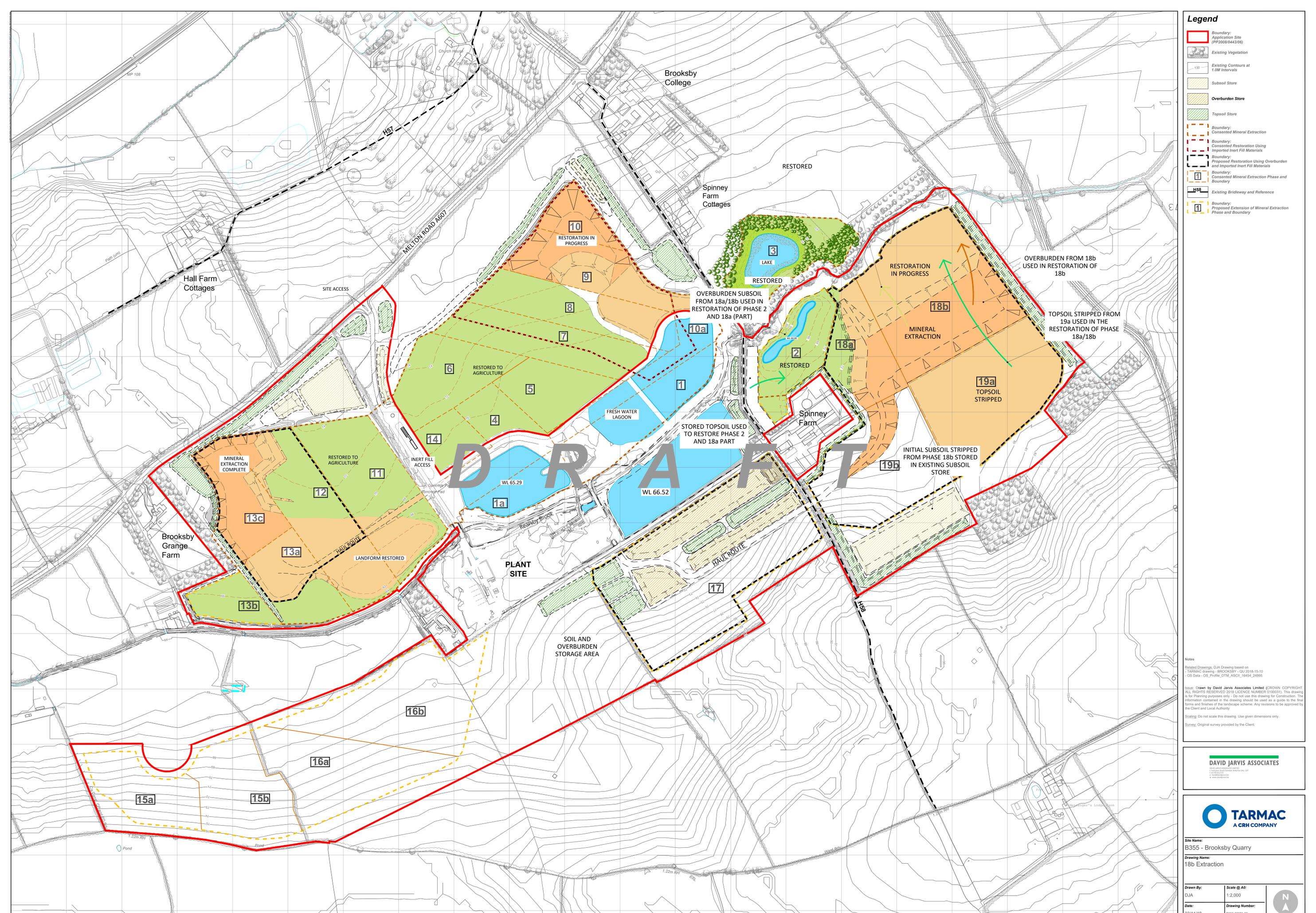
Landscape Architects
100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220, 222, 224, 226, 228, 230, 232, 234, 236, 238, 240, 242, 244, 246, 248, 250, 252, 254, 256, 258, 260, 262, 264, 266, 268, 270, 272, 274, 276, 278, 280, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460, 462, 464, 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506, 508, 510, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544, 546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800, 802, 804, 806, 808, 810, 812, 814, 816, 818, 820, 822, 824, 826, 828, 830, 832, 834, 836, 838, 840, 842, 844, 846, 848, 850, 852, 854, 856, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 878, 880, 882, 884, 886, 888, 890, 892, 894, 896, 898, 900, 902, 904, 906, 908, 910, 912, 914, 916, 918, 920, 922, 924, 926, 928, 930, 932, 934, 936, 938, 940, 942, 944, 946, 948, 950, 952, 954, 956, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 978, 980, 982, 984, 986, 988, 990, 992, 994, 996, 998, 1000

TARMAC
A CRH COMPANY

Site Name: B355 - Brooksby Quarry
Drawing Name: Proposed Southern Extension Existing Conditions

Drawn By: DJA	Scale @ A6: 1:2,000
Date: 23/11/18	Drawing Number: B355-00071-01

This drawing is copyrighted - Call 01634 246201 / Email: data.mapping@tarmac.com



- Legend**
- Boundary: Application Site (PP2008/0443/06)
 - Existing Vegetation
 - Existing Contours at 1.0M intervals
 - Subsoil Store
 - Overburden Store
 - Topsoil Store
 - Boundary: Consented Mineral Extraction
 - Boundary: Consented Restoration Using Imported Inert Fill Materials
 - Boundary: Proposed Restoration Using Overburden and Imported Inert Fill Materials
 - Boundary: Consented Mineral Extraction Phase and Boundary
 - Boundary: Proposed Extension of Mineral Extraction Phase and Boundary
 - H57 Existing Brideway and Reference
 - H58 Boundary: Proposed Extension of Mineral Extraction Phase and Boundary

Notes

Related Drawings: DIA Drawing based on - TARMAC drawing - BROOKSBY - DU 2016-15-10 - OS Data - OS Profile, DTM, NSDI, 18454, 24995

Issue: Drawn by David Jarvis Associates Limited (CROWN COPYRIGHT). ALL RIGHTS RESERVED 2016 LICENCE NUMBER 01000311. This drawing is for Planning purposes only. Do not use this drawing for Construction. The information contained in the drawing should be used as a guide to the final form and finish of the landscape scheme. Any revisions to be approved by the Client and Local Authority.

Scaling: Do not scale this drawing. Use given dimensions only.

Survey: Original survey provided by the Client.

DAVID JARVIS ASSOCIATES
 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220, 222, 224, 226, 228, 230, 232, 234, 236, 238, 240, 242, 244, 246, 248, 250, 252, 254, 256, 258, 260, 262, 264, 266, 268, 270, 272, 274, 276, 278, 280, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460, 462, 464, 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506, 508, 510, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544, 546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800, 802, 804, 806, 808, 810, 812, 814, 816, 818, 820, 822, 824, 826, 828, 830, 832, 834, 836, 838, 840, 842, 844, 846, 848, 850, 852, 854, 856, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 878, 880, 882, 884, 886, 888, 890, 892, 894, 896, 898, 900, 902, 904, 906, 908, 910, 912, 914, 916, 918, 920, 922, 924, 926, 928, 930, 932, 934, 936, 938, 940, 942, 944, 946, 948, 950, 952, 954, 956, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 978, 980, 982, 984, 986, 988, 990, 992, 994, 996, 998, 1000

TARMAC
 A CRH COMPANY

Site Name: B355 - Brooksby Quarry
 Drawing Name: 18b Extraction

Drawn By: DJA	Scale @ A6: 1:2,000	N ↑
Date: 23/11/18	Drawing Number: B355-00071-03	



- Legend**
- Boundary: Application Site (PP2008044306)
 - Existing Vegetation
 - Existing Contours at 1.0M intervals
 - Subsoil Store
 - Overburden Store
 - Topsoil Store
 - Boundary: Consented Mineral Extraction
 - Boundary: Consented Restoration Using Imported Inert Fill Materials
 - Boundary: Proposed Restoration Using Overburden and Imported Inert Fill Materials
 - Boundary: Consented Mineral Extraction Phase and Boundary
 - Boundary: Proposed Extension of Mineral Extraction Phase and Boundary
 - H57 Existing Brideway and Reference
 - H58 Proposed Extension of Mineral Extraction Phase and Boundary

Notes

Related Drawings: DIA Drawing based on:
 - TARMAC drawing - BROOKSBY - DU 2018-15-10
 - OS Data - OS Profile, DTM, NSDI, 18454, 24995

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Scaling: Do not scale this drawing. Use given dimensions only.

Survey: Original survey provided by the Client.

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DAVID JARVIS ASSOCIATES
 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

TARMAC
 A CRH COMPANY

Site Name: B355 - Brooksby Quarry
 Drawing Name: 19a Extraction

Drawn By: DJA
 Date: 23/11/18
 Scale @ A6: 1:2,000
 Drawing Number: B355-00071-04

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- Legend**
- Boundary: Application Site (PP2008/0443/06)
 - Existing Vegetation
 - Existing Contours at 1.0M intervals
 - Subsoil Store
 - Overburden Store
 - Topsoil Store
 - Boundary: Consented Mineral Extraction
 - Boundary: Consented Restoration Using Imported Inert Fill Materials
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 - Boundary: Consented Mineral Extraction Phase and Boundary
 - Boundary: Proposed Extension of Mineral Extraction Phase and Boundary
 - H57 Existing Brideway and Reference
 - H58 Existing Brideway and Reference

Notes

Related Drawings: DJA Drawing based on:
 - TARMAC drawing - BROOKSBY - DU 2016-15-10
 - OS Data - OS Profile, DTM, NSDI, 18454, 24995

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Scaling: Do not scale this drawing. Use given dimensions only.

Survey: Original survey provided by the Client.

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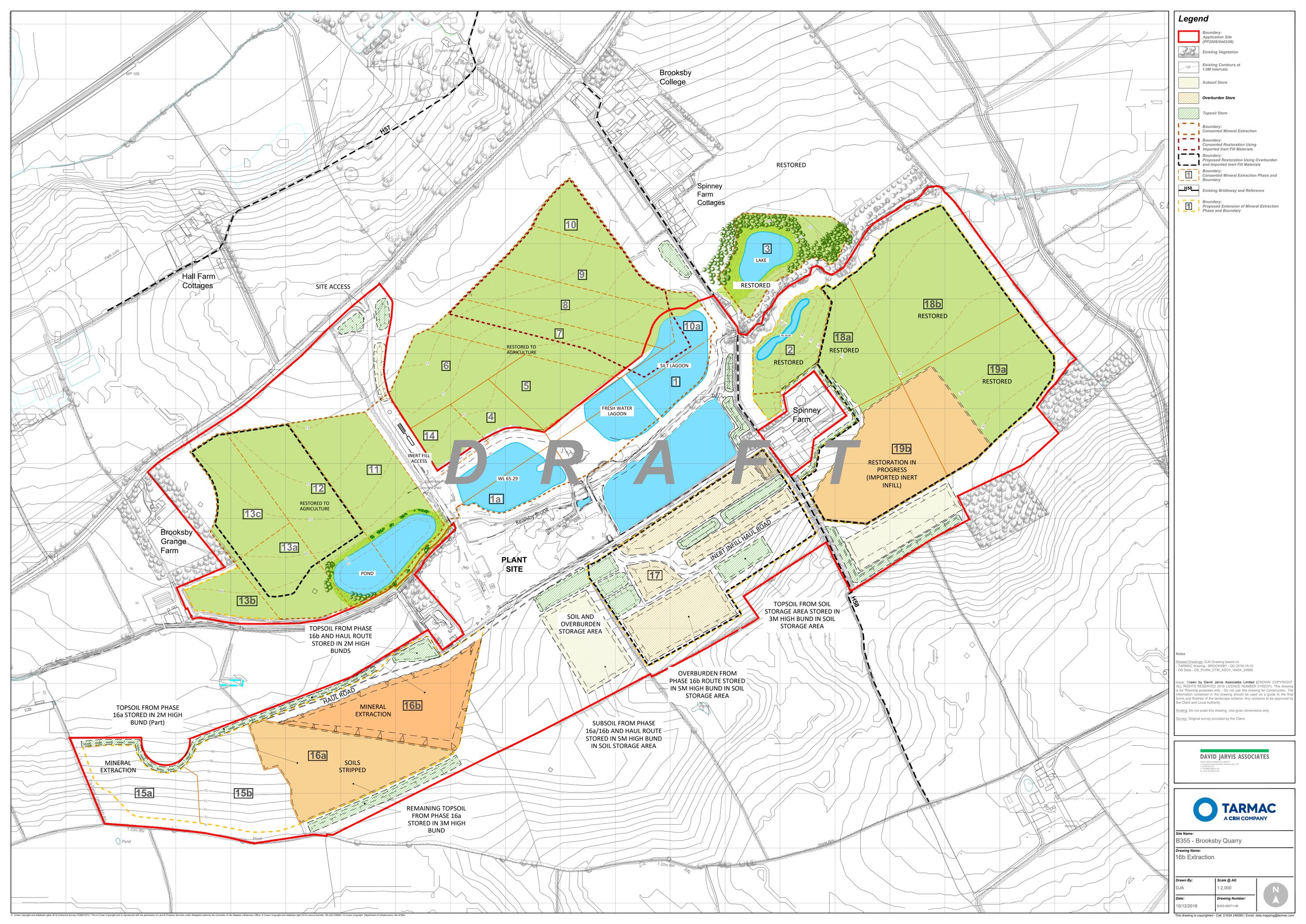
TARMAC
 A CRH COMPANY

Site Name:
B355 - Brooksby Quarry

Drawing Name:
19b Extraction

Drawn By: DJA	Scale @ A6: 1:2,000
Date: 23/11/18	Drawing Number: B355-00071-05





- Legend**
- Boundary: Application Site (P22008/0443/06)
 - Existing Vegetation
 - Existing Contours at 1.0M Intervals
 - Subsoil Store
 - Overburden Store
 - Topsoil Store
 - Boundary: Consented Mineral Extraction
 - Boundary: Consented Restoration Using Imported Inert Fill Materials
 - Boundary: Proposed Restoration Using Overburden and Imported Inert Fill Materials
 - Boundary: Consented Mineral Extraction Phase and Boundary
 - Boundary: Proposed Extension of Mineral Extraction Phase and Boundary
 - H57 Existing Brideway and Reference
 - Boundary: Proposed Extension of Mineral Extraction Phase and Boundary

Notes

Related Drawings: DJA Drawing based on:
 - TARMAC drawing - BROOKSBY - DU 2018-15-10
 - OS Data - OS Profile, DTM, ACP, 18454, 24995

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Scaling: Do not scale this drawing. Use given dimensions only.
 Survey: Original survey provided by the Client.

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TARMAC
 A CRH COMPANY

Site Name:
B355 - Brooksbury Quarry

Drawing Name:
16b Extraction

Drawn By: DJA	Scale @ A6: 1:2,000	N ↑
Date: 10/12/2018	Drawing Number: B355-00071-06	

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DRAFT



- Legend**
- Boundary: Application Site (PP2008/0443/06)
 - Existing Vegetation
 - Existing Contours at 1.0M intervals
 - Subsoil Store
 - Overburden Store
 - Topsoil Store
 - Boundary: Consented Mineral Extraction
 - Boundary: Consented Restoration Using Imported Inert Fill Materials
 - Boundary: Proposed Restoration Using Overburden and Imported Inert Fill Materials
 - Boundary: Consented Mineral Extraction Phase and Boundary
 - H57 Existing Brideway and Reference
 - Boundary: Proposed Extension of Mineral Extraction Phase and Boundary

Notes

Related Drawings: DJA Drawing based on:
 - TARMAC drawing - BROOKSBY - DU 2016-15-10
 - OS Data - OS Profile, DTM, ACP, 18454, 24995

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Scaling: Do not scale this drawing. Use given dimensions only.

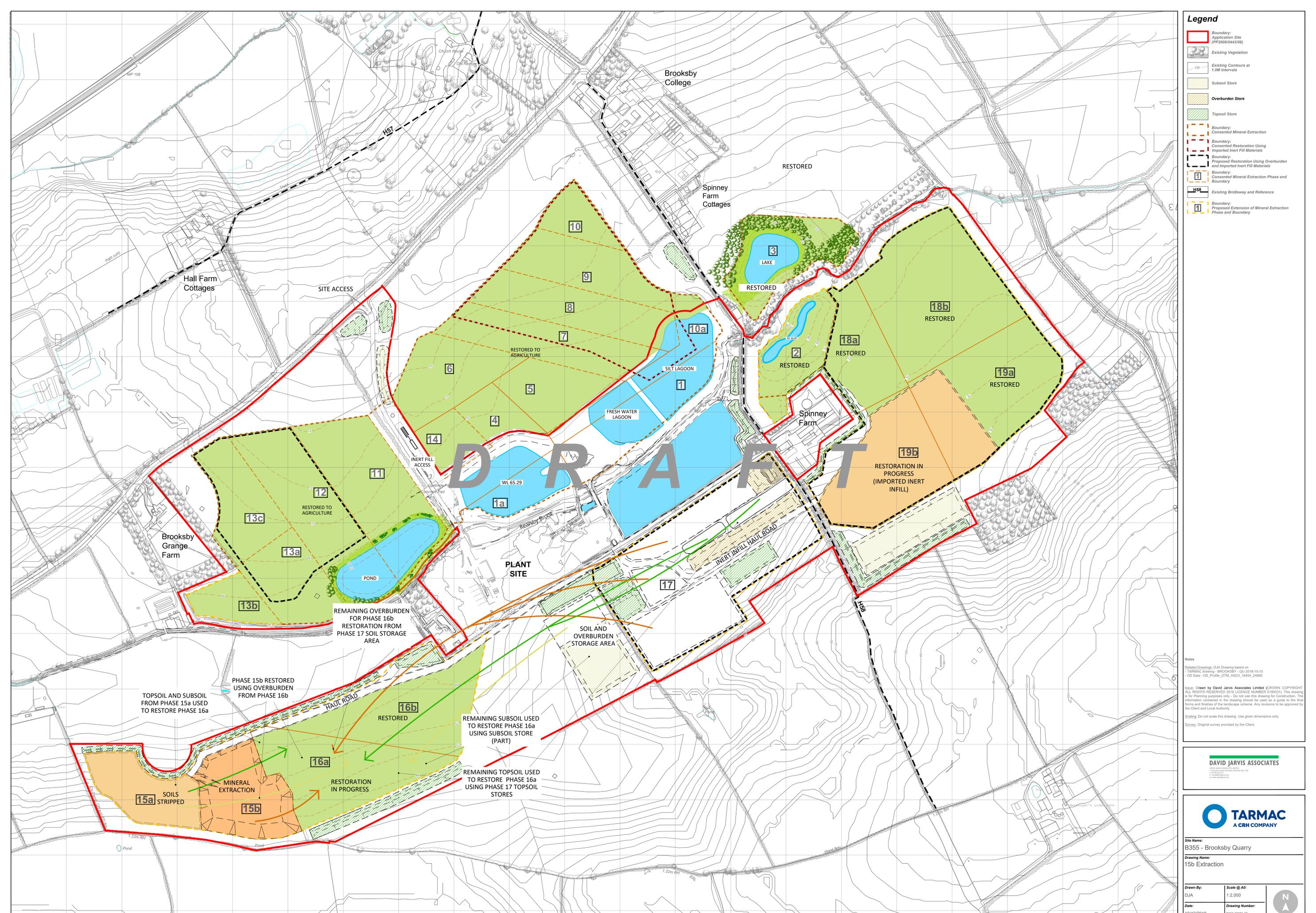
Survey: Original survey provided by the Client.

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TARMAC
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Site Name: B355 - Brooksbury Quarry
 Drawing Name: 16a Extraction

Drawn By: DJA	Scale @ A6: 1:2,000	N ↑
Date: 10/12/2018	Drawing Number: B355-00071-07	



- Legend**
- Boundary: Application Site (P22008/0443/06)
 - Existing Vegetation
 - Existing Contours at 1.0M intervals
 - Subsoil Store
 - Overburden Store
 - Topsoil Store
 - Boundary: Consented Mineral Extraction
 - Boundary: Consented Restoration Using Imported Inert Fill Materials
 - Boundary: Proposed Restoration Using Overburden and Imported Inert Fill Materials
 - Boundary: Consented Mineral Extraction Phase and Boundary
 - H57 Existing Brideway and Reference
 - Boundary: Proposed Extension of Mineral Extraction Phase and Boundary

Notes

Related Drawings: DJA Drawing based on - TARMAC drawing - BROOKSBY - DU 2018-15-10 - OS Data - OS Profile, DTM, ACP, 18454, 24995

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Survey: Original survey provided by the Client.

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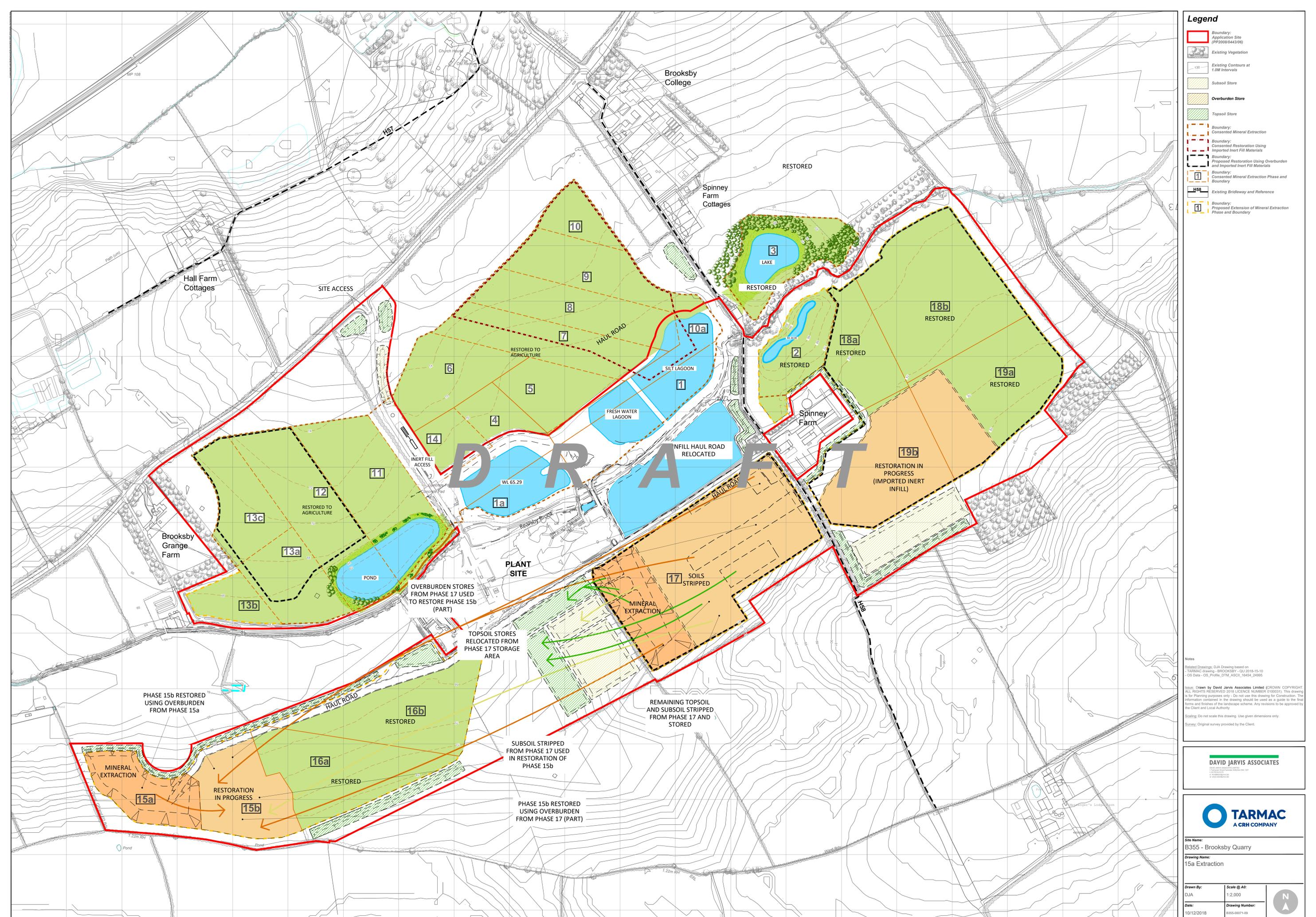
TARMAC
A CRH COMPANY

Site Name: B355 - Brooksby Quarry
Drawing Name: 15b Extraction

Drawn By: DJA	Scale @ A6: 1:2,000
Date: 10/12/2018	Drawing Number: B355-00071-08



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- Legend**
- Boundary: Application Site (PP20080443/06)
 - Existing Vegetation
 - Existing Contours at 1.0M Intervals
 - Subsoil Store
 - Overburden Store
 - Topsoil Store
 - Boundary: Consented Mineral Extraction
 - Boundary: Consented Restoration Using Imported Inert Fill Materials
 - Boundary: Proposed Restoration Using Overburden and Imported Inert Fill Materials
 - Boundary: Consented Mineral Extraction Phase and Boundary
 - Boundary: Proposed Extension of Mineral Extraction Phase and Boundary
 - Existing Brideway and Reference
 - Existing Brideway and Reference

Notes

Related Drawings: DJA Drawing based on:
 - TARMAC drawing - BROOKSBY - DU 2018-15-10
 - OS Data - OS Profile, DTM, ACP, 10454, 24995

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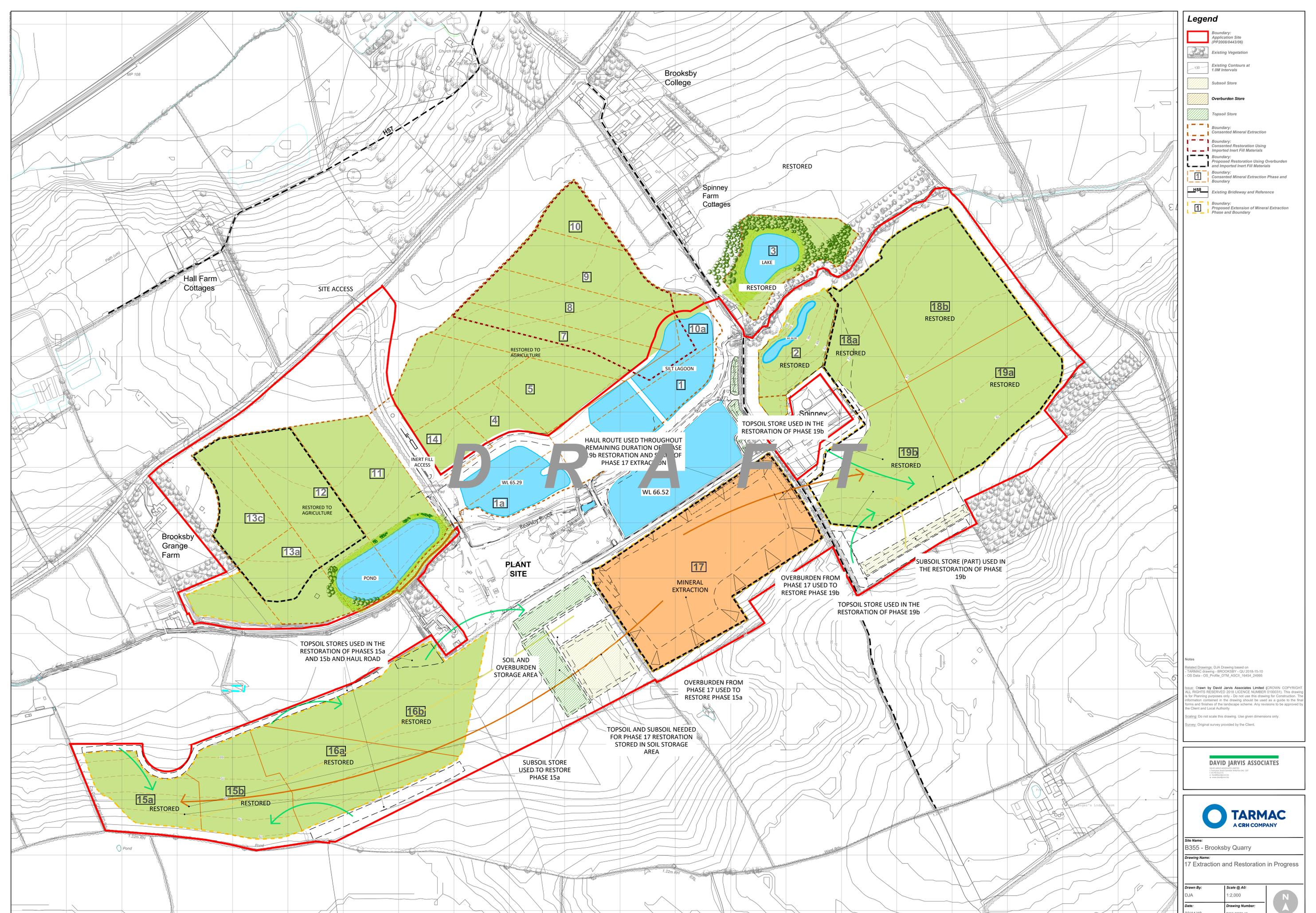
Scaling: Do not scale this drawing. Use given dimensions only.
 Survey: Original survey provided by the Client.

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TARMAC
 A CRH COMPANY

Site Name:
 B355 - Brooksby Quarry
 Drawing Name:
 15a Extraction

Drawn By: DJA	Scale @ A0: 1:2,000	N ↑
Date: 10/12/2018	Drawing Number: B355-00071-09	



- Legend**
- Boundary: Application Site (P22008/0443/06)
 - Existing Vegetation
 - Existing Contours at 1.0M Intervals
 - Subsoil Store
 - Overburden Store
 - Topsoil Store
 - Boundary: Consented Mineral Extraction
 - Boundary: Consented Restoration Using Imported Inert Fill Materials
 - Boundary: Proposed Restoration Using Overburden and Imported Inert Fill Materials
 - Boundary: Consented Mineral Extraction Phase and Boundary
 - H57 Existing Brideway and Reference
 - Boundary: Proposed Extension of Mineral Extraction Phase and Boundary

DRAFT

HAUL ROUTE USED THROUGHOUT REMAINING DURATION OF PHASE 19b RESTORATION AND START OF PHASE 17 EXTRACTION

TOPSOIL STORE USED IN THE RESTORATION OF PHASE 19b

SUBSOIL STORE (PART) USED IN THE RESTORATION OF PHASE 19b

TOPSOIL STORE USED IN THE RESTORATION OF PHASE 19b

OVERBURDEN FROM PHASE 17 USED TO RESTORE PHASE 15a

TOPSOIL AND SUBSOIL NEEDED FOR PHASE 17 RESTORATION STORED IN SOIL STORAGE AREA

SUBSOIL STORE USED TO RESTORE PHASE 15a

TOPSOIL STORES USED IN THE RESTORATION OF PHASES 15a AND 15b AND HAUL ROAD

SOIL AND OVERBURDEN STORAGE AREA

PLANT SITE

MINERAL EXTRACTION

OVERBURDEN FROM PHASE 17 USED TO RESTORE PHASE 19b

RESTORED TO AGRICULTURE

RESTORED TO AGRICULTURE

RESTORED

Hall Farm Cottages

Brooksby College

Spinney Farm Cottages

Brooksby Grange Farm

Notes

Related Drawings: DIA Drawing based on - TARMAC drawing - BROOKSBY - DU 2018-15-10 - OS Data - OS Profile, DTM, ACP, 18454, 24995

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Survey: Original survey provided by the Client.

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TARMAC
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Site Name:
B355 - Brooksby Quarry

Drawing Name:
17 Extraction and Restoration in Progress

Drawn By: DJA	Scale @ A6: 1:2,000	N ↑
Date: 23/11/18	Drawing Number: B355-00071-10	

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APPENDIX ESSD E

DRAWING REFERENCE B355-00071-11 ENTITLED 'FINAL RESTORATION'



Legend

- Boundary: Application Site (P/2008/0443/04)
- Existing Vegetation
- Existing Contours at 1.0M Intervals
- Boundary: Consented Mineral Extraction
- Boundary: Consented Restoration Using Imported Inert Fill Materials
- Boundary: Proposed Restoration Using Overburden and Imported Inert Fill Materials
- Boundary: Consented Mineral Extraction Phase and Boundary
- Existing Bridleway and Reference
- Boundary: Proposed Extension of Mineral Extraction Phase and Boundary
- Proposed Contours at 2.0M Intervals
- Proposed Tussock/Wet Grassland
- Area of Naturally Regenerating Grassland to be Retained
- Proposed Marginal Wetland Habitat (Natural Regeneration)
- Proposed Waterbodies
- Proposed Gate
- Proposed Woodland Planting
- Proposed Agriculture (Grazing Pasture)
- Proposed Ephemeral Scrape
- Proposed Woodland Scrub (Natural Regeneration)

Notes

Related Drawings: DIA Drawing based on - TARMAC drawing - BROOKSBY - DU 2018-15-10 - OS Data - OS, Profile, DTM, NSDI, 18454, 24995

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Scaling: Do not scale this drawing. Use given dimensions only.

Survey: Original survey provided by the Client.

DAVID JARVIS ASSOCIATES
 Environmental & Landscape Architects
 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220, 222, 224, 226, 228, 230, 232, 234, 236, 238, 240, 242, 244, 246, 248, 250, 252, 254, 256, 258, 260, 262, 264, 266, 268, 270, 272, 274, 276, 278, 280, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460, 462, 464, 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506, 508, 510, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544, 546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800, 802, 804, 806, 808, 810, 812, 814, 816, 818, 820, 822, 824, 826, 828, 830, 832, 834, 836, 838, 840, 842, 844, 846, 848, 850, 852, 854, 856, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 878, 880, 882, 884, 886, 888, 890, 892, 894, 896, 898, 900, 902, 904, 906, 908, 910, 912, 914, 916, 918, 920, 922, 924, 926, 928, 930, 932, 934, 936, 938, 940, 942, 944, 946, 948, 950, 952, 954, 956, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 978, 980, 982, 984, 986, 988, 990, 992, 994, 996, 998, 1000

TARMAC
 A CRH COMPANY

Site Name: B355 - Brooksby Quarry
 Drawing Name: Final Restoration

Drawn By: DJA	Scale @ A6: 1:2,000	N
Date: 11/12/18	Drawing Number: B355-00071-11	
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APPENDIX ESSD F
BOREHOLE LOGS



BOREHOLE LOG				BOREHOLE No BH 1	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 14/08/07	Ground Level: 68.33mATBM	Co-ordinates: E 67,651 N 15,400		
Project: Brooksby Quarry				Sheet: 1 of 2	

SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.20-0.50	B1				68.03		0.30	Topsoil
1.00-1.50	D1 B2						(1.50)	Firm to stiff red brown sandy gravelly CLAY. Fine to coarse sand, fine to coarse angular to subrounded sandstone, flint and quartzite gravel.
2.00-2.50	D2 B3	N	33 (3,5)6,7,9,11		66.53		1.80	
3.00-3.50	B4	N	28 (4,4)5,6,8,9					Medium dense becoming dense mottled brown fine to coarse SAND and GRAVEL. Fine coarse subangular to rounded sandstone, quartzite and igneous gravel.
4.00-5.00	D3 B5	N	33 (3,5)6,8,9,10					
5.00-5.50	D4 B6						(7.50)	
6.00-6.50	B7	N	53 (4,7)9,12,15,17					
7.00-7.50	D5							
7.50-8.00	B8	N	50/0.1 (8,15)27,23					

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	Cable Percussion

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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Form SLR AGS3 UK BH File BROOKSBY 2007.GPI 19-09-07

BOREHOLE LOG				BOREHOLE No BH 1	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 14/08/07	Ground Level: 68.33mATBM	Co-ordinates: E 67,651 N 15,400		
Project: Brooksby Quarry				Sheet: 2 of 2	

SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
8.50	D6	N	50/0.1 (7,17) ^{31,19}				Medium dense becoming dense mottled brown fine to coarse SAND and GRAVEL. Fine coarse subangular to rounded sandstone, quartzite and igneous gravel.(continued)	
9				59.03		9.30		
9.60	D7			58.73		9.60	Very weak moderately weathered blue grey thinly laminated MUDSTONE. (Lias Clay.)	
10							Borehole complete at 9.60m	
11								
12								
13								
14								
15								

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	Cable Percussion

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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Form SLR AGS3 UK BH File BROOKSBY 2007.GPJ 19-09-07

BOREHOLE LOG				BOREHOLE No BH 2	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 07/08/07	Ground Level: 70.54mATBM	Co-ordinates: E 67,833 N 15,530		
Project: Brooksby Quarry				Sheet: 1 of 2	

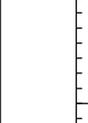
SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.40-0.90 0.50	B1 D2				70.24		0.30	Topsoil
1.20 1.20-1.65 1.20-1.70	D3 NR4 B5	N	20 (3,5)4,5,5,6					Firm to stiff red brown and occasionally grey mottled sandy gravelly CLAY. Fine to coarse sand. Fine to coarse subangular to rounded sandstone, igneous, quartzite and rare chalk gravel.
2.30 2.50-2.80	D6 U7	U	50				(4.60)	
2.85	D8							
3.85 4.00-4.45 4.00-4.50	D9 SPT10 B12	N	14 (2,3)3,4,3,4					
4.45	D11							
5.00-5.45 5.00-5.50	NR13 B14	N	12 (2,2)2,3,3,4		65.64		4.90	Dense mottled brown fine to coarse SAND and GRAVEL. Subangular to rounded sandstone, quartzite, igneous and occasional Schist or Phyllite gravel.
6.50-6.95 6.50-7.00	NR15 B16	N	26 (2,4)5,7,8,6				(4.70)	

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	Cable Percussion
07-08-07	14.00	0.00	NA	0.00		0					
07-08-07	17.00	6.00	Dry	6.00							
08-08-07	08.30	6.00	Dry	6.00							
08-08-07	17.00	10.25	8.0	9.75							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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Form SLR AGS3 UK BH File BROOKSBY 2007.GPI 19-09-07

BOREHOLE LOG				BOREHOLE No BH 2	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 07/08/07	Ground Level: 70.54mATBM	Co-ordinates: E 67,833 N 15,530		
Project: Brooksby Quarry				Sheet: 2 of 2	

SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
8.00-8.45 8.00-8.50	NR17 B18	N	33 (2,5)6,8,9,10				Dense mottled brown fine to coarse SAND and GRAVEL. Subangular to rounded sandstone, quartzite, igneous and occasional Schist or Phyllite gravel. <i>(continued)</i>	
9.50-9.95 9.65	NR19 D20	N	42 (5,8)7,8,12,15	60.94		9.60	Very weak blue grey weathered MUDSTONE. (Lias Clay)	
9.70-10.00 10.00-10.25 10.25	B21 D22 D23	N	50/0.125 (12,13)22,28	60.29		(0.65) 10.25		
Borehole complete at 10.25m								

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	Cable Percussion
07-08-07	14.00	0.00	NA	0.00							
07-08-07	17.00	6.00	Dry	6.00							
08-08-07	08.30	6.00	Dry	6.00							
08-08-07	17.00	10.25	8.0	9.75							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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BOREHOLE LOG				BOREHOLE No BH 3	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 08/08/07	Ground Level: 70.85mATBM	Co-ordinates: E 67,993 N 15,654		
Project: Brooksby Quarry				Sheet: 1 of 2	

SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.40-0.90 0.50	B2 D1					0.30	Topsoil	
1.00-1.20 1.20-1.70	D3 NR4 B5	N	50/0.125 (12,13)28,22			(0.70)	Firm to stiff red brown and grey mottled sandy gravelly CLAY. Fine to coarse sand. Fine to coarse angular to subrounded flint and sandstone gravel.	
1.20-1.70						1.00	Medium dense brown sandy GRAVEL. Fine to coarse sand. Fine to coarse angular to rounded sandstone, quartzite, flint and occasional chalk gravel.	
2.30-2.75 2.30-2.80	NR6 B7	N	20 (2,4)4,5,5,6			2.30	Dense brown gravelly fine to coarse SAND. Fine to coarse subangular and subrounded flint, sandstone and peat / charcoal gravel.	
3.80-4.25 4.35-4.35	NR8 B9	N	9 (2,3)3,2,2,2			3.85	Firm to stiff red brown sandy gravelly CLAY. Fine to coarse sand. Fine to coarse angular to subrounded flint, sandstone and igneous gravel.	
4.50-5.10 5.10-5.60	D10 U11 D12 B13	U	75					
6.10	D14							
7.10	D15							
7.60-8.05 7.60-8.10	SPT16 B25	N	18 (3,4)3,4,5,6			(7.90)		

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	Cable Percussion
08-08-07	14.00	0.00	n/a	0.00		1.35	1.5	0015			
08-08-07	17.00	7.00	Dry	7.00							
09-08-07	08.30	7.00	4.2	7.00							
09-08-07	17.00	12.10	Dry	11.25							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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Form SLR AGS3 UK BH File BROOKSBY 2007.GPI 19-09-07

BOREHOLE LOG				BOREHOLE No BH 3
Client: Lafarge Aggregates Ltd				
Project No: 403.0164.00071	Date: 08/08/07	Ground Level: 70.85mATBM	Co-ordinates: E 67,993 N 15,654	
Project: Brooksby Quarry				Sheet: 2 of 2

SAMPLES & TESTS				STRATA			
Depth	Type No	Test Type	Test Result	Reduced Level	Legend	Depth (Thickness)	DESCRIPTION
8.05	D17				○		Firm to stiff red brown sandy gravelly CLAY. Fine to coarse sand. Fine to coarse angular to subrounded flint, sandstone and igneous gravel. <i>(continued)</i>
9.05	D18				○		9.50 - 11.90 Becoming dense to very dense.
10.00	D19	U	80		○		
10.10-10.40	U20						
10.45	D21				○		
11.00-11.50	B26				○		
11.45	D22				○		
11.80	D23			59.10	○	11.75	
12.00-12.10	SPT24	MS	78% Recovery (23,50)	58.85		12.00	Very weak thinly laminated blue grey MUDSTONE. (Lias Clay).
Borehole complete at 12.00m							

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	Cable Percussion
08-08-07	14.00	0.00	n/a	0.00		11.85	12.00	0015			
08-08-07	17.00	7.00	Dry	7.00							
09-08-07	08.30	7.00	4.2	7.00							
09-08-07	17.00	12.10	Dry	11.25							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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Form SLR AGS3 UK BH File BROOKSBY 2007.GPJ 19-09-07

BOREHOLE LOG				BOREHOLE No BH 4	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 13/08/07	Ground Level: 69.72mATBM	Co-ordinates: E 67,662 N 15,278		
Project: Brooksby Quarry				Sheet: 1 of 2	

SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.20-0.50	B1				69.42		0.30	Topsoil
1 1.00	D1						(3.20)	Firm to stiff red brown and grey mottled slightly sandy gravelly CLAY. Fine to coarse sand. Fine to coarse subangular to rounded sandstone, igneous and occasional chalk and flint gravel.
2 2.00	D2							
3 3.00-3.50	U1							
3.50-3.90	B2				66.22		3.50	Firm to stiff brown sandy gravelly CLAY, with silt. Fine to coarse sand. Fine to coarse subangular to rounded sandstone and igneous gravel.
4 4.00-4.45	D4	N	34		65.82		(0.40) 3.90	Dense mottled brown fine to coarse SAND and GRAVEL. Subangular to rounded sandstone, igneous and quartzite gravel.
4.00-4.50	SPT1 B3		(3,5)7,9,11,7					
5 5.50-5.95	SPT2	N	30					
5.50-6.00	B4		(3,5)6,7,8,9					
6 6.50	D5							
7 7.00-7.45	SPT3	N	29					
7.00-7.50	B5		(4,5)5,6,7,11					

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	Cable Percussion
10-08-07	10.00	0.00		0.00							
10-08-07	17.00	6.00	Dry	5.50							
13-08-07	08.30	6.00	Dry	5.50							
13-08-07	14.00	12.60	8.2	12.50							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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Form SLR AGS3 UK BH File BROOKSBY 2007.GPI 19-09-07

BOREHOLE LOG				BOREHOLE No BH 4	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 13/08/07	Ground Level: 69.72mATBM	Co-ordinates: E 67,662 N 15,278		
Project: Brooksby Quarry				Sheet: 2 of 2	

SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
8.00	D6			↓		(8.40)	Dense mottled brown fine to coarse SAND and GRAVEL. Subangular to rounded sandstone, igneous and quartzite gravel. <i>(continued)</i>	[Pattern]
9.00-9.45 9.00-9.50	SPT4 B6	N	36 (4,6)6,8,10,12	↓				
10.00	D7							
10.50-10.95 10.50-11.00	SPT5 B7	N	39 (3,5)7,9,11,12					
11.50	D8							
12.00-12.45 12.00-12.50 12.60-12.90	SPT6 B8 SPT7	N	52 (5,6)9,11,14,18 50/0.18 (6,10)14,22,14		57.42	12.30	Very weak grey thinly laminated MUDSTONE. (Lias Clay)	
13					57.12	12.60	Borehole complete at 12.60m	
14								
15								

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	Cable Percussion
10-08-07	10.00	0.00		0.00							
10-08-07	17.00	6.00	Dry	5.50							
13-08-07	08.30	6.00	Dry	5.50							
13-08-07	14.00	12.60	8.2	12.50							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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Form SLR AGS3 UK BH File BROOKSBY 2007.GPI 19-09-07

BOREHOLE LOG				BOREHOLE No BH 5	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 07/08/07	Ground Level: 71.71mATBM	Co-ordinates: E 67,910 N 15,489		
Project: Brooksby Quarry				Sheet: 1 of 3	

SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.25-0.75	B1				71.41		0.30	Topsoil
0.50	D2							Firm to stiff orange brown sandy gravelly CLAY. Fine to coarse sand. Fine to coarse angular to subrounded sandstone, flint, peat, quartzite and igneous gravel.
0.70-1.20	B3							
0.80	D4							
1.20-1.65	U5	U	45					
1.70	D6							
2.20	D7	N	10	1				
2.25-2.70	SPT8		(2,3)2,3,2,3					
2.25-2.75	B10							
2.70	D9							
3.20	D11						(6.10)	
4.20	D12							
5.20	D13							
5.20-5.60	U14							
5.65	D15							
5.90-6.05	NR16	N	50/0.04					
5.90-6.30	B17		(17,8)50		65.31		6.40	
6.40	D18	N	21					
6.50-6.95	NR19		(3,4)4,5,6,6					
6.50-7.00	B20							

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
06-08-07	14.00	0.00		0.00							Cable Percussion and Rotary Follow On
06-08-07	17.00	3.00	2.4	1.20							
07-08-07	08.30	3.00	1.2	1.20							
07-08-07	14.00	12.20	Dry	12.00							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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BOREHOLE LOG				BOREHOLE No BH 5	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 07/08/07	Ground Level: 71.71mATBM	Co-ordinates: E 67,910 N 15,489		
Project: Brooksby Quarry				Sheet: 2 of 3	

SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill				
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)		DESCRIPTION			
8.00-8.45 8.00-8.50	NR21 B22	N	25 (3,6)5,7,7,6			(5.50)	Medium dense brown fine to coarse SAND and GRAVEL. Angular to subrounded sandstone, quartzite, igneous (Schist and Phyllite as well.) and occasional peat gravel.(continued)					
9.50-9.95 9.50-10.00	NR23 B24	N	40 (4,7)7,9,11,13									
11.00-11.40 11.00-11.50	C25 B26	N	50/0.23 (2,5)10,15,22,3									
11.90-12.05 12.05-12.20	D27 B28 SPT29	N	50/0.05 (19,6)50									
				59.81						11.90		
				59.61						12.10	Very weak weathered blue grey MUDSTONE. (Lias Clay)	
											Borehole continued as a Cored Drillhole	

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	Cable Percussion and Rotary Follow On
06-08-07	14.00	0.00		0.00							
06-08-07	17.00	3.00	2.4	1.20							
07-08-07	08.30	3.00	1.2	1.20							
07-08-07	14.00	12.20	Dry	12.00							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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BOREHOLE LOG				BOREHOLE No BH 6	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 07/08/07	Ground Level: 73.57mATBM	Co-ordinates: E 67,996 N 15,506		
Project: Brooksby Quarry				Sheet: 1 of 3	

SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.30-0.80	B1					0.30	Topsoil	
0.50	D2					(0.90)	Firm to stiff brown slightly sandy slightly gravelly CLAY. Fine to coarse sand. Fine to coarse subangular to rounded igneous and sandstone gravel. Mostly fine to medium.	
1.20	D3	U	40			1.20	Firm to stiff brown and grey gravelly CLAY. Fine to coarse sub angular to rounded chalk, sandstone, igneous and some quartzite gravel.	
1.20-1.60	U4							
1.65	D5							
1.70-2.20	B6							
2.65	D7							
3.20	D8	N	50/0.05					
3.25-3.40	NR9		(10,15)50					
3.25-3.75	B10							
3.75-4.25	NR11	N	9					
3.75-4.25	B12		(1,2)2,2,3,2					
4.30	D13					(6.75)		
5.30	D14	N	9					
5.30-5.75	SPT15		(2,2)2,2,2,3					
5.75	D16							
6.00	D17							
6.20-6.60	U18	U	55				6.00 - 7.95 Becomes stiff and grey	
6.65	D19							
7.65	D20					7.95		

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
02-08-07	08.30	0.00		0.00							Cable Percussion and Rotary Follow On
02-08-07	17.00	6.00	Dry	6.00							
06-08-07	08.30	6.00	Dry	6.00							
06-08-07	14.00	8.50	Dry	8.00							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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BOREHOLE LOG				BOREHOLE No BH 6
Client: Lafarge Aggregates Ltd				
Project No: 403.0164.00071	Date: 07/08/07	Ground Level: 73.57mATBM	Co-ordinates: E 67,996 N 15,506	
Project: Brooksby Quarry				Sheet: 2 of 3

SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
7.95 7.95-8.05 8.05-8.50	D21 B24 SPT22	N	41/0.225 (5,9)11,15,15				Very weak weathered grey MUDSTONE. (Lias Clay) <i>(continued)</i> Borehole continued as a Cored Drillhole	<input type="checkbox"/>
9								
10								
11								
12								
13								
14								
15								

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
02-08-07	08.30	0.00		0.00							Cable Percussion and Rotary Follow On
02-08-07	17.00	6.00	Dry	6.00							
06-08-07	08.30	6.00	Dry	6.00							
06-08-07	14.00	8.50	Dry	8.00							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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Form SLR AGS3 UK BH File BROOKSBY 2007.GPI 19-09-07

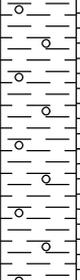
BOREHOLE LOG				BOREHOLE No BH 7	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 10/08/07	Ground Level: 68.17mATBM	Co-ordinates: E 68,105 N 15,505		
Project: Brooksby Quarry				Sheet: 1 of 2	

SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thick-ness)	
					67.87		0.30	Topsoil
0.40 0.50-1.00	D1 B2							Firm to stiff red brown slightly sandy gravelly CLAY. Fine to coarse sand. Fine to coarse angular to subrounded sandstone, quartzite, and igneous gravel. With Thin silty sandy lenses in the clay.
1.20 1.20-1.65	D3 U4	U	55					
1.70	D5							
2.20 2.30-2.75 2.30-2.80	D6 SPT7 B9	N	13 (2,3)3,3,3,4					
2.75	D8							
3.30	D10							
4.30	D11							
5.30 5.30-5.75 5.30-5.80 5.75	D12 SPT13 B15 D14	N	18 (3,4)3,4,5,6				(9.60)	
6.30	D16							
7.30	D17							

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	Cable Percussion
09-08-07	08.30	0.00		0.00							
09-08-07	17.00	10.00	Dry	9.20							
10-08-07	08.30	10.00	Dry	9.20							
10-08-07	11.00	10.40	Dry	9.20							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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BOREHOLE LOG				BOREHOLE No BH 7
Client: Lafarge Aggregates Ltd				
Project No: 403.0164.00071	Date: 10/08/07	Ground Level: 68.17mATBM	Co-ordinates: E 68,105 N 15,505	
Project: Brooksby Quarry				Sheet: 2 of 2

SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill		
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)		DESCRIPTION	
8.00 8.10-8.35	D18 U19	U	80					Firm to stiff red brown slightly sandy gravelly CLAY. Fine to coarse sand. Fine to coarse angular to subrounded sandstone, quartzite, and igneous gravel. With Thin silty sandy lenses in the clay. (continued)		
8.40	D20									
9.00	D21									
10.00	D22	N	50/0.045 (17,8) ⁵⁰		58.27		9.90			
10.00-10.25	B23						57.92		10.25	Stiff grey gravelly CLAY. Fine to coarse subangular to rounded sandstone, quartzite and igneous gravel.
10.25-10.40	D24						57.77		10.40	Weak blue grey thinly laminated MUDSTONE. Moderately to highly weathered.
10.40	SPT25									
11.00	D26							Borehole complete at 10.40m		
12.00										
13.00										
14.00										
15.00										

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	Cable Percussion
09-08-07	08.30	0.00		0.00							
09-08-07	17.00	10.00	Dry	9.20							
10-08-07	08.30	10.00	Dry	9.20							
10-08-07	11.00	10.40	Dry	9.20							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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Form SLR AGS3 UK BH File BROOKSBY 2007.GPI 19-09-07

BOREHOLE LOG				BOREHOLE No BH 8	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 06/08/07	Ground Level: 72.69mATBM	Co-ordinates: E 67,816 N 15,238		
Project: Brooksby Quarry				Sheet: 1 of 4	

SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.00-0.50	B1				72.49		0.20	Topsoil
					72.29		0.40	Firm to Stiff light brown slightly sandy gravelly CLAY. Fine to coarse sand, fine to coarse angular to subrounded flint and sandstone gravel.
1 1.00	D1							Stiff red brown gravelly CLAY. Fine to coarse subangular to rounded flint, sandstone and igneous gravel.
2 2.00	D2							
3 3.00-3.50	B2 D3						(6.60)	
4 4.00	D4							
5 5.00-5.50	B3 D5							
6 6.00-6.30	U1	U	80					
6.00-6.50	B4							
6.50	D6							6.50 - 7.00 Clay becomes more grey, brown grey mottled and more gravelly.
7 7.10	D7				65.69		7.00	Medium dense brown fine to coarse SAND.
7.50-7.90	SPT2 D7	N	50/0.21 (2.5)10,19,21				(1.70)	

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
30-07-07	10.00	0.00	0	0.00							Cable Percussion and Rotary Follow On
30-07-07	17.00	7.20	Dry	4.50							
31-07-07	08.30	7.20	Dry	4.50							
31-07-07	17.00	8.50	Dry	8.50							
01-08-07	08.30	8.50	Dry	8.50							
01-08-07	17.00	11.00	5.5	11.00							
02-08-07	08.30	11.00	5.5	11.00							
02-08-07	17.00	16.00	5.0	15.70							
06-08-07	10.00	16.00	14.00	16.00							
06-08-07	13.00	24.50	14.00	16.00							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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BOREHOLE LOG				BOREHOLE No BH 8	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 06/08/07	Ground Level: 72.69mATBM	Co-ordinates: E 67,816 N 15,238		
Project: Brooksby Quarry				Sheet: 2 of 4	

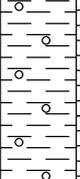
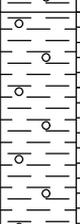
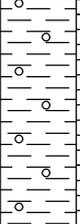
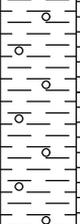
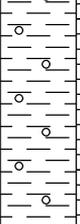
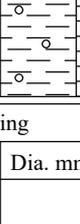
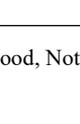
SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
8.50-8.80	B5						Medium dense brown fine to coarse SAND(<i>continued</i>)	
9.00-9.50	B6	N	50/0.225 (2,6)9,18,23	63.99		8.70	Medium dense brown very gravelly fine to coarse SAND. Fine to medium and occasionally coarse subangular to rounded quartz, sandstone and igneous gravel.	
10.00	D8			62.69		10.00	Medium dense brown gravelly fine to coarse SAND. Fine to coarse subangular to rounded sandstone. igneous and quartz gravel, in bands in sand. (Blowing Sand).	
10.50-11.00	B7	N	23 (1,1)2,5,7,9			(1.70)		
11.70	D9			60.99		11.70	Firm to stiff brown Clay	
12.20-12.70	B8	N	45 (2,5)8,11,12,14	60.89		11.80	Dense brown gravelly fine to coarse SAND. Fine to coarse subangular to rounded sandstone. igneous and quartz gravel, in bands in sand.	
13.70-14.20	B9	N	38 (2,4)6,9,11,12			(4.20)		
15.00-15.50	B10	N	50/0.06 (17,8)50					
15.80	D10			56.69		16.00		

Boring Progress and Water Observations				Casing		Borehole continued as a Cored Drillhole					General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	Chiselling			Water Added		Cable Percussion and Rotary Follow On
						From	To	Hours	From	To	
30-07-07	10.00	0.00	0	0.00							
30-07-07	17.00	7.20	Dry	4.50							
31-07-07	08.30	7.20	Dry	4.50							
31-07-07	17.00	8.50	Dry	8.50							
01-08-07	08.30	8.50	Dry	8.50							
01-08-07	17.00	11.00	5.5	11.00							
02-08-07	08.30	11.00	5.5	11.00							
02-08-07	17.00	16.00	5.0	15.70							
06-08-07	10.00	16.00	14.00	16.00							
06-08-07	13.00	24.50	14.00	16.00							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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Form SLR AGS3 UK BH File BROOKSBY 2007.GPJ 19-09-07

BOREHOLE LOG				BOREHOLE No BH 9	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 07/08/07	Ground Level: 82.90mATBM	Co-ordinates: E 67,786 N 15,086		
Project: Brooksby Quarry				Sheet: 1 of 3	

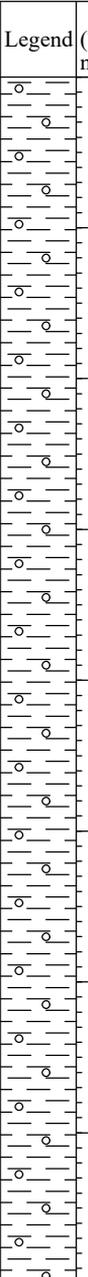
SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.00-0.40	B1				82.70		0.20	Topsoil
1.00	D1						(1.30)	Firm to stiff brown and grey brown sandy gravelly CLAY. Fine to coarse sand. Fine to coarse subangular to rounded sandstone, quartzite chalk, flint and charcoal gravel.
1.50-2.00	B2 D2				81.40		1.50	Firm to stiff red brown slightly sandy gravelly CLAY. Fine to coarse sand. Fine to coarse subangular to rounded sandstone and quartzite gravel.
2.50	D3							
3.00-3.50	U1	U	50					
3.50	D4							
4.50-4.90	SPT1							
4.50-5.00	B3							
4.50	D5							
4.50	D6	N	12 (1,1)2,3,3,4					
6.00-6.45	SPT2	N	15 (1,2)3,3,4,5					
6.00-6.50	B4							
6.00	D7							
7.50	D8							

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	Cable Percussion
03-08-07	08.30	0.00		0.00							
03-08-07	14.00	7.00	5.0	7.00							
06-08-07	08.30	7.00	Dry	7.00							
06-08-07	17.00	20.00	Dry	18.00							
07-08-07	08.30	20.00	Dry	18.00							
07-08-07	12.00	23.00	Dry	18.00							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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Form SLR AGS3 UK BH File BROOKSBY 2007.GPJ 19-09-07

BOREHOLE LOG				BOREHOLE No BH 9	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 07/08/07	Ground Level: 82.90mATBM	Co-ordinates: E 67,786 N 15,086		
Project: Brooksby Quarry				Sheet: 2 of 3	

SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
8.50	D9					(16.50)	Firm to stiff red brown slightly sandy gravelly CLAY. Fine to coarse sand. Fine to coarse subangular to rounded sandstone and quartzite gravel. <i>(continued)</i>	
9.00-9.45 9.00	SPT3 D10	N	21 (2,3)4,5,5,7					
10.00	D11							
11.00	D12							
12.00-12.50	U2	U	75					
12.50	D13							
13.50	D14							
14.50	D15							
15.00-15.45 15.00	SPT4 D16	N	33 (3,5)6,7,9,11					

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	Cable Percussion
03-08-07	08.30	0.00		0.00							
03-08-07	14.00	7.00	5.0	7.00							
06-08-07	08.30	7.00	Dry	7.00							
06-08-07	17.00	20.00	Dry	18.00							
07-08-07	08.30	20.00	Dry	18.00							
07-08-07	12.00	23.00	Dry	18.00							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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Form SLR AGS3 UK BH File BROOKSBY 2007.GPI 19-09-07

BOREHOLE LOG				BOREHOLE No BH 9	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 07/08/07	Ground Level: 82.90mATBM	Co-ordinates: E 67,786 N 15,086		
Project: Brooksby Quarry				Sheet: 3 of 3	

SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
16.00	D17						Firm to stiff red brown slightly sandy gravelly CLAY. Fine to coarse sand. Fine to coarse subangular to rounded sandstone and quartzite gravel. (continued)	
17	17.00	D18						
	17.60-17.90	B5						
18	18.00-18.45	SPT5	N	50/0.18 (3,7)11,18,21	64.90		18.00	Dense mottled brown fine to coarse SAND and GRAVEL. Subangular to rounded quartzite, sandstone and igneous gravel. Alternating in various order bands of sand, gravel and sand and gravel.
	18.00-18.50	B6						
	18.00	D19						
19	19.00-19.50	B7						
			N	50/0.155 (5,10)20,27,3				
20								
							(4.80)	
21	21.00-21.50	B8	N	33 (3,5)7,7,8,11				
22	22.00	D21						
	22.50-23.00	B9	N	50/0.195 (5,9)12,21,17				
	22.80	D22			60.10		22.80	
23					59.90		23.00	Very weak grey thinly laminated moderately weathered MUDSTONE. (Lias.)
Borehole complete at 23.00m								

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	Cable Percussion
03-08-07	08.30	0.00		0.00		17.6	17.9	0015			
03-08-07	14.00	7.00	5.0	7.00		22.8	23.0	0015			
06-08-07	08.30	7.00	Dry	7.00							
06-08-07	17.00	20.00	Dry	18.00							
07-08-07	08.30	20.00	Dry	18.00							
07-08-07	12.00	23.00	Dry	18.00							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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Form SLR AGS3 UK BH File BROOKSBY 2007.GPI 19-09-07

BOREHOLE LOG				BOREHOLE No BH 10	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 10/08/07	Ground Level: 80.68mATBM	Co-ordinates: E 67,968 N 15,070		
Project: Brooksby Quarry					

SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
0.00-0.50	B1				80.38		0.30	Topsoil
1 1.00	D1							Firm to stiff red brown slightly sandy gravelly CLAY. Fine to coarse sand, fine to coarse subangular to rounded sandstone, igneous and occasional chalk and quartzite gravel.
2.00-2.50	B2							
2.00	D2							
3.00-3.50	NR1	U	30					
3.00-3.50	B3							
3.50-4.00	NR2	U	25					
3.50-4.00	B4							
4 4.00	D3	N	27 (3,4)5,6,7,9					
5 5.00	D4							
6 6.00	D5							
7.00-7.50	U3	U	75					
7.00-7.50	B5							
7.50	D6							
							(15.20)	

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	Cable Percussion
07-08-07	13.00	0.00		0.00							
07-08-07	17.00	6.00	Dry	4.50							
08-08-07	08.30	6.00	Dry	4.50							
08-08-07	17.00	15.50	Dry	15.50							
09-08-07	08.30	15.50	Dry	15.50							
09-08-07	12.00	19.30	Dry	19.20							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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Form SLR AGS3 UK BH File BROOKSBY 2007.GPJ 19-09-07

BOREHOLE LOG				BOREHOLE No BH 10	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 10/08/07	Ground Level: 80.68mATBM	Co-ordinates: E 67,968 N 15,070		
Project: Brooksby Quarry				Sheet: 2 of 3	

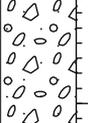
SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
8.00	D7						Firm to stiff red brown slightly sandy gravelly CLAY. Fine to coarse sand, fine to coarse subangular to rounded sandstone, igneous and occasional chalk and quartzite gravel(<i>continued</i>)	
9.00	D8							
10.00-10.50	B6	N	32 (3,4)5,7,10,10					
10.50-10.00	D9							
11.00	D10							
12.00	D11							
13.00-13.50	U4	U	85					
13.50	D12							
14.50	D13							
15.50-16.00	B7	N	18 (2,3)3,4,5,6	65.18		15.50		Medium dense becoming dense, mottled brown fine to coarse SAND and GRAVEL. Subangular to rounded sandstone, quartzite and igneous gravel.
15.50	D14							

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	Cable Percussion
07-08-07	13.00	0.00		0.00		13.7	14.2	0030			
07-08-07	17.00	6.00	Dry	4.50		14.7	15	0030			
08-08-07	08.30	6.00	Dry	4.50							
08-08-07	17.00	15.50	Dry	15.50							
09-08-07	08.30	15.50	Dry	15.50							
09-08-07	12.00	19.30	Dry	19.20							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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Form SLR AGS3 UK BH File BROOKSBY 2007.GPJ 19-09-07

BOREHOLE LOG				BOREHOLE No BH 10	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 10/08/07	Ground Level: 80.68mATBM	Co-ordinates: E 67,968 N 15,070		
Project: Brooksby Quarry				Sheet: 3 of 3	

SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
16.50	D15						Medium dense becoming dense, mottled brown fine to coarse SAND and GRAVEL. Subangular to rounded sandstone, quartzite and igneous gravel. <i>(continued)</i>	
17 17.00-17.50	B8	N	27 (3,4)5,6,7,9				(3.70)	
18 18.50-19.00	B9	N	35 (5,6)6,7,10,12					
19 19.20	D16	N	50/0.02 (7,18)50					
				61.48		19.20	Very weak blue grey thinly laminated weathered MUDSTONE. (Lias Clay)	
				61.38		19.30		
Borehole complete at 19.30m								
20								
21								
22								
23								

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	Cable Percussion
07-08-07	13.00	0.00		0.00							
07-08-07	17.00	6.00	Dry	4.50							
08-08-07	08.30	6.00	Dry	4.50							
08-08-07	17.00	15.50	Dry	15.50							
09-08-07	08.30	15.50	Dry	15.50							
09-08-07	12.00	19.30	Dry	19.20							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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Form SLR AGS3 UK BH File BROOKSBY 2007.GPI 19-09-07

BOREHOLE LOG				BOREHOLE No BH 11	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 14/08/07	Ground Level: 81.71mATBM	Co-ordinates: E 68,174 N 15,239		
Project: Brooksby Quarry				Sheet: 1 of 3	

SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
							Topsoil	
0.40 0.50-1.00	D1 B2					0.30		
1 1.20 1.20-1.65	D3 U4	U	50			(1.30)	Firm to stiff orange brown sandy slightly gravelly CLAY. Fine to coarse sand. Fine to coarse angular to subrounded flint, sandstone and peat, charcoal gravel.	
2 1.70 1.70-2.20	D5 B6					1.60	Firm to stiff red brown sandy slightly gravelly CLAY. With pockets of wet fine to coarse sand. Fine to coarse subangular to rounded sandstone, quartzite and igneous gravel.	
3 3.20	D8							
4 4.20 4.20-4.65 4.20-4.70 4.65	D9 SPT10 B12 D11	N	8 (2,2)2,1,2,3					
5 5.20	D13							
6 6.20	D14							
7 7.20 7.20-7.65 7.25-7.75 7.65	D15 SPT16 B18 D17	N	26 (2,3)5,6,7,8					

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	Cable Percussion
10-08-07	10.00	0.00		0.00							
10-08-07	14.00	6.00	Dry	6.00							
13-08-07	08.30	6.00	1.9	6.00							
13-08-07	17.00	18.00	Dry	16.50							
14-08-07	08.30	18.00		16.50							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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BOREHOLE LOG				BOREHOLE No BH 11	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 14/08/07	Ground Level: 81.71mATBM	Co-ordinates: E 68,174 N 15,239		
Project: Brooksby Quarry				Sheet: 2 of 3	

SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
8.70-9.15	SPT19	N	28				Firm to stiff red brown sandy slightly gravelly CLAY. With pockets of wet fine to coarse sand. Fine to coarse subangular to rounded sandstone, quartzite and igneous gravel. <i>(continued)</i>	
8.70-9.20	B21		(3,4)6,7,8,7					
9.15	D20							
						(16.45)		
10.10	D22	U	75					
10.20-10.65	U23							
10.70	D24							
10.70-11.20	B25							
11.70	D26							
12.70	D27			4				
13.20-13.65	SPT28	N	8	4				
13.20-13.70	B30		(2,2)2,3,1,2					
13.65	D29			5				
14.00	D31							
15.00	D32	U	75	5				
15.00-15.20	U33							
15.30	D34	N	21/0.095					
15.35-15.75	SPT35		(14,15)15,6					

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	Cable Percussion
10-08-07	10.00	0.00		0.00							
10-08-07	14.00	6.00	Dry	6.00							
13-08-07	08.30	6.00	1.9	6.00							
13-08-07	17.00	18.00	Dry	16.50							
14-08-07	08.30	18.00		16.50							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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Form SLR AGS3 UK BH File BROOKSBY 2007.GPI 19-09-07

BOREHOLE LOG				BOREHOLE No BH 11	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 14/08/07	Ground Level: 81.71mATBM	Co-ordinates: E 68,174 N 15,239		
Project: Brooksby Quarry				Sheet: 3 of 3	

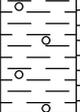
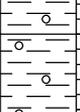
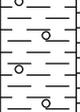
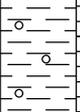
SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
15.35-15.75	B37	N	50/0.1 (10,15)29,21	63.66		18.05	Firm to stiff red brown sandy slightly gravelly CLAY. With pockets of wet fine to coarse sand. Fine to coarse subangular to rounded sandstone, quartzite and igneous gravel.(continued)	
15.75	D36							
16.75	D38							
17.75	D39							
18.05	D40							
18.05-18.25	B41							
18.25-18.50	SPT42							
18.50	D43							
18.50	D43							
18.50	D43							
18.05	B41			63.21		(0.45) 18.50	Very weak to weak blue grey thinly laminated MUDSTONE. (Lias Clay)	
Borehole complete at 18.60m								

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	Cable Percussion
10-08-07	10.00	0.00		0.00							
10-08-07	14.00	6.00	Dry	6.00							
13-08-07	08.30	6.00	1.9	6.00							
13-08-07	17.00	18.00	Dry	16.50							
14-08-07	08.30	18.00		16.50							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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Form SLR AGS3 UK BH File BROOKSBY 2007.GPI 19-09-07

BOREHOLE LOG				BOREHOLE No BH 12	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 07/08/07	Ground Level: 76.94mATBM	Co-ordinates: E 68,056 N 15,313		
Project: Brooksby Quarry				Sheet: 1 of 4	

SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
					76.74		0.20	Topsoil
0.30-0.80	B1						(1.30)	Firm to stiff light brown sandy slightly gravelly CLAY. Fine to coarse sand. Fine to coarse subangular to rounded sandstone and igneous gravel.
1.20	D2	U	20					
1.20-1.65	U3				75.44		1.50	Firm to stiff red brown slightly gravelly CLAY, with some silt. Fine to coarse subangular to rounded sandstone and igneous gravel with rare to occasional black peat freckles in the top metre. Becomes stiffer below 3.00 m.
1.70	D4							
1.70-2.20	B5							
2.50	D6							
2.70-3.15	SPT7	N	19					
2.70-3.20	B9		(2,3)3,5,5,6					
3.15	D8							
4.20	D10							
5.70-6.05	U11	U	60					
6.10	D12							
7.10	D13						(10.80)	

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	Cable Percussion and Rotary Follow On
30-07-07	14.00	0.00		0.00							
30-07-07	17.00	2.20	Dry	2.20							
31-07-07	08.30	2.20	1.5	2.20							
31-07-07	17.00	14.20	12.2	14.20							
01-08-07	08.30	14.20	10.7	14.20							
01-08-07	15.00	19.70	3.5	19.50							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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Form SLR AGS3 UK BH File BROOKSBY 2007.GPJ 19-09-07

BOREHOLE LOG				BOREHOLE No BH 12	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 07/08/07	Ground Level: 76.94mATBM	Co-ordinates: E 68,056 N 15,313		
Project: Brooksby Quarry				Sheet: 2 of 4	

SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill	
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)		DESCRIPTION
8.10	D14			↓					
8.70-9.05	SPT15	N	50/0.2						Firm to stiff red brown slightly gravelly CLAY, with some silt. Fine to coarse subangular to rounded sandstone and igneous gravel with rare to occasional black peat freckles in the top metre. Becomes stiffer below 3.00 m. (continued)
8.70-9.20	B17		(5,12)17,17,16						
9.05	D16								
10.10	D18								
11.10	D19								
11.70-12.05	SPT20	N	50/0.195						Loose to medium dense grey brown fine to coarse SAND and GRAVEL. Subangular to rounded igneous, sandstone and quartzite gravel.
11.75-12.25	B22		(7,15)16,18,16		64.64		12.30		
12.05-12.30	D21	N	10				(0.90)		
12.30-12.75	NR23		(2,3)2,3,2,3						
12.30-12.80	B24				63.74		13.20		
13.70-14.15	NR25	N	27						Medium dense red brown fine to coarse SAND and GRAVEL. Subangular to rounded igneous, quartzite and sandstone gravel. Becomes more gravelly and occasional cobbles with depth.
13.70-14.20	B26		(3,5)5,6,7,9						
15.20-15.60	NR27	N	50/0.245						15.20 - 19.40 Becomes dense.
15.20-15.70	B28		(2,4)9,13,21,7						

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	
30-07-07	14.00	0.00		0.00					14.2	19.5	Cable Percussion and Rotary Follow On
30-07-07	17.00	2.20	Dry	2.20							
31-07-07	08.30	2.20	1.5	2.20							
31-07-07	17.00	14.20	12.2	14.20							
01-08-07	08.30	14.20	10.7	14.20							
01-08-07	15.00	19.70	3.5	19.50							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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Form SLR AGS3 UK BH File BROOKSBY 2007.GPI 19-09-07

BOREHOLE LOG				BOREHOLE No BH 12	
Client: Lafarge Aggregates Ltd					
Project No: 403.0164.00071	Date: 07/08/07	Ground Level: 76.94mATBM	Co-ordinates: E 68,056 N 15,313		
Project: Brooksby Quarry				Sheet: 3 of 4	

SAMPLES & TESTS				Water	STRATA			Instrument/ Backfill
Depth	Type No	Test Type	Test Result		Reduced Level	Legend	Depth (Thickness)	
17 16.70-17.10 16.70-17.20	NR29 B30	N	50/0.245 (4,7)10,14,20,6			(6.20)	Medium dense red brown fine to coarse SAND and GRAVEL. Subangular to rounded igneous, quartzite and sandstone gravel. Becomes more gravelly and occasional cobbles with depth. (continued)	
18 18.20-18.50 18.20-18.70	NR31 B32	N	50/0.135 (8,14)20,30					
19 19.50-19.50 19.50-19.65 19.50-19.70 19.50-19.65	D33 SPT34 B36 D35	N	50/0.055 (15,10)50	57.54 57.24		19.40 19.70	Very weak to weak grey MUDSTONE. (Lias Clay.)	
20							Borehole continued as a Cored Drillhole	
21								
22								
23								

Boring Progress and Water Observations				Casing		Chiselling			Water Added		General Remarks
Date	Time	Depth	Water Dpt	Depth	Dia. mm	From	To	Hours	From	To	Cable Percussion and Rotary Follow On
30-07-07	14.00	0.00		0.00		18.9	19.1	0030			
30-07-07	17.00	2.20	Dry	2.20							
31-07-07	08.30	2.20	1.5	2.20							
31-07-07	17.00	14.20	12.2	14.20							
01-08-07	08.30	14.20	10.7	14.20							
01-08-07	15.00	19.70	3.5	19.50							

All dimensions in metres Scale 1:50	Contractor : Soil Mechanics Plant:	Method:	Logged By: SJS	Approved By:
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Form SLR AGS3 UK BH File BROOKSBY 2007.GPJ 19-09-07

BOREHOLE WM1

PROJECT NUMBER 2484 PROJECT NAME Brooksby Quarry CLIENT Lafarge ADDRESS	DRILLING COMPANY Direct Drilling DRILLER DRILL RIG DRILLING METHOD TOTAL DEPTH 4.0 m DIAMETER 150 mm	COORDINATES E 466517.674 N 314897.154 SURFACE ELEVATION 63.595 mAOD TOP OF PIEZOMETER COLLAR 64.000 mAOD LOGGED BY Driller
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COMPLETION 8 December 1998	CASING 50 mm dia PVC 1.0 - GL	SCREEN 50 mm dia PVC 4.0 - 1.0 m
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COMMENTS

Depth (m)	Water	Well Installation	Annulus	Graphic Log	Material Description	Elevation (mAOD)
0.5			Cement		Firm brown TOPSOIL	63.5
1			Bentonite (0.2 - 1)		Firm to stiff mottled brown silty CLAY	63
1.5			Gravel pack (1 - 4.0)		Firm to stiff dark reddish-brown silty, sandy CLAY, impregnated with abundant Gravel	62.5
2	∇				Reddish-brown medium SAND with fine-medium and scattered large semi-rounded GRAVEL	62
2.5						61.5
3						61
3.5					Stiff blue grey silty CLAY	60.5
4					Termination Depth at:4 m	60
4.5						59.5
5						59
5.5						58.5
6						58
6.5						57.5
7						57
7.5						56.5
8						56
8.5						55.5
9						55
9.5						54.5
10						54
10.5						53.5
11						53
11.5						52.5
						52

Disclaimer

BOREHOLE WM2

PROJECT NUMBER 2484 PROJECT NAME Brooksby Quarry CLIENT Lafarge ADDRESS	DRILLING COMPANY Direct Drilling DRILLER DRILL RIG DRILLING METHOD TOTAL DEPTH 5.50 m DIAMETER 150 mm	COORDINATES E 467046.664 N 314893.993 SURFACE ELEVATION 65.410 mAOD TOP OF PIEZOMETER COLLAR 65.797 mAOD LOGGED BY Driller
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COMPLETION 17 November 1998	CASING 50 mm dia. PVC GL - 1.5 m	SCREEN 50 mm dia. PVC 1.5 to 5.5 m
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COMMENTS

Depth (m)	Water	Well Installation	Annulus	Graphic Log	Material Description	Elevation (mAOD)
0.5		Cement Bentonite (0.2 - 1 m)		Firm brown sun-soil impregnated with bricks and concrete fragments		65
1				Firm mottled brown silty CLAY with fine grey sand veins		64.5
1.5		Gravel pack (1 - 5.5 m)		Brown fine to medium SAND in a slightly silty matrix		64
2				Brown fine to medium SAND in a slightly silty matrix		63.5
2.5				Brown fine to medium SAND in a slightly silty matrix		63
3				Brown fine to medium SAND in a slightly silty matrix		62.5
3.5	▽			Brown fine to medium SAND in a slightly silty matrix		62
4				Brown fine to medium SAND with scattered fine rounded gravel		61.5
4.5				Firm greenish-grey 'clay-bound' SILT		61
5				Firm to stiff, blue-grey, slightly 'clay-bound' silt, impregnated with fine siltstone fragments		60.5
5.5				Termination Depth at:5.5 m		60
6						59.5
6.5						59
7						58.5
7.5						58
8						57.5
8.5						57
9						56.5
9.5						56
10						55.5
10.5						55
11						54.5
11.5						54
						53.5

Disclaimer

BOREHOLE WM3

PROJECT NUMBER 2484 PROJECT NAME Brooksby Quarry CLIENT Lafarge ADDRESS	DRILLING COMPANY Direct Drilling DRILLER DRILL RIG DRILLING METHOD TOTAL DEPTH 18 m DIAMETER 150 mm	COORDINATES E 467473.606 N 314804.614 SURFACE ELEVATION 80.013 mAOD TOP OF PIEZOMETER COLLAR 80.440 mAOD LOGGED BY Driller
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COMPLETION 19 November 1998	CASING 50 mm dia., 0.0 - 15.5 m	SCREEN 50 mm dia., 15.5 - 18.0 m
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COMMENTS

Depth (m)	Water	Well Installation	Annulus	Graphic Log	Material Description	Elevation (mAOD)
				~ ~ ~ ~ ~	Soft to firm brown TOPSOIL	80
1			Cement Bentonite (0.2 - 1.0 m)	~ ~ ~ ~ ~	Firm mottled brown silty CLAY	79
2			Gravel pack (1.0 - 14.5 m)	~ ~ ~ ~ ~	Stiff dark reddish-brown CLAY with grey mottling and occasional gravels, becoming stiff to hard with depth	78
3				~ ~ ~ ~ ~		77
4				~ ~ ~ ~ ~		76
5				~ ~ ~ ~ ~		75
6				~ ~ ~ ~ ~		74
7				~ ~ ~ ~ ~		73
8				~ ~ ~ ~ ~		72
9				~ ~ ~ ~ ~		71
10				~ ~ ~ ~ ~		70
11				~ ~ ~ ~ ~		69
12				~ ~ ~ ~ ~		68

Disclaimer

BOREHOLE WM3

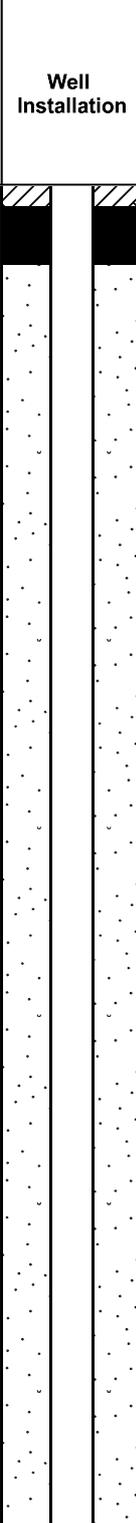
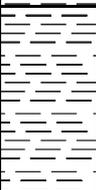
Depth (m)	Water	Well Installation	Annulus	Graphic Log	Material Description	Elevation (mAOD)
12					Dense grey SILTSTONE	68
13					Stiff to hard reddish-brown and grey mottled silty CLAY	67
14					Grey medium to coarse SAND	66
15			Bentonite		Stiff blue-grey SILT with fine siltstone fragments	65
16	▽		Gravel pack		Brown medium to coarse silty SAND with scattered fine gravels and sandstone fragments at depth	64
17					Stiff to hard green-grey SILT with siltstone bands	63
18					Termination Depth at: 18 m	62
19						61
20						60
21						59
22						58
23						57
24						56
25						55
26						54

BOREHOLE WM4

PROJECT NUMBER 2484 PROJECT NAME Brooksby Quarry CLIENT Lafarge ADDRESS	DRILLING COMPANY Direct Drilling DRILLER DRILL RIG DRILLING METHOD TOTAL DEPTH 21 m DIAMETER 150 mm	COORDINATES E 468126.827 N 315184.809 SURFACE ELEVATION 81.4 mAOD TOP OF PIEZOMETER COLLAR 81.580 mAOD LOGGED BY Driller
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COMPLETION 23 November 1998	CASING 50 mm dia., 0.0 - 15.0 m	SCREEN 50 mm dia., 15.0 - 21.0 m
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COMMENTS

Depth (m)	Water	Well Installation	Annulus	Graphic Log	Material Description	Elevation (mAOD)
			Concrete (GL - 0.2 m)		Soft to firm brown TOPSOIL	
			Bentonite (0.2 - 0.7 m)		Firm reddish-brown silty CLAY	81
1	▽ 2		Gravel (0.7 - 14.0 m)		Soft to firm dark reddish-brown silty sandy CLAY with water seepage	80
2					Stiff dark reddish-brown silty CLAY	79
3					stiff dark grey and reddish brown mottled silty CLAY, impregnated with scattered fine gravel and sandy bands, with water seepage	78
4	▽ 1					77
5						76
6						75
7						74
8						73
9						72
10						71
11						70
12						70

Disclaimer

BOREHOLE WM4

Depth (m)	Water	Well Installation	Annulus	Graphic Log	Material Description	Elevation (mAOD)
12						69
13						68
14			Bentonite (14.0 - 14.5 m)		Dense grey SILTSTONE	67
15			Gravel (14.5 - 21.0 m)		stiff dark grey and reddish brown mottled silty CLAY, impregnated with scattered fine gravel and sandy bands, with water seepage	66
16					Dense grey SILTSTONE	65
17					Fine to medium brown SAND with scattered fine gravels	64
18						63
19						62
20						61
21					Termination Depth at:21 m	60
22						59
23						58
24						57
25						56
26						55

Disclaimer

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BOREHOLE WM5

PROJECT NUMBER 2484 PROJECT NAME Brooksby Quarry CLIENT Lafarge ADDRESS	DRILLING COMPANY Direct Drilling DRILLER DRILL RIG DRILLING METHOD TOTAL DEPTH 10 m DIAMETER 150 mm	COORDINATES E 467960.653 N 315726.334 SURFACE ELEVATION 71.1 mAOD TOP OF PIEZOMETER COLLAR 71.381 LOGGED BY Driller
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COMPLETION 16 November 1998	CASING 50 mm dia., 0.0 - 5.0 m	SCREEN 50 mm dia., 5.0 - 10.0 m
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COMMENTS

Depth (m)	Water	Well Installation	Annulus	Graphic Log	Material Description	Elevation (mAOD)
			Concrete (GL - 0.2 m)		Firm brown TOPSOIL	71
0.5			Bentonite (0.2 - 0.5 m)		Firm brown sandy subsoil with scattered gravels	70.5
1	▽ 1		Gravel (0.5 - 4.0 m)			70
1.5						69.5
2					Firm to stiff mauve-brown grey mottled silty CLAY	69
2.5						68.5
3						68
3.5						67.5
4			Bentonite (4.0 - 4.5 m)			67
4.5			Gravel (4.5 - 10.0 m)		Brown fine to medium SAND with fine to medium sized semi-rounded gravel	66.5
5						66
5.5	▽ 2					65.5
6						65
6.5						64.5
7						64
7.5						63.5
8						63
8.5						62.5
9					Stiff dark grey silty CLAY	62
9.5						61.5
10					Termination Depth at: 10 m	61
10.5						60.5
11						60
11.5						59.5

Disclaimer

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BOREHOLE WM6

PROJECT NUMBER 2484 PROJECT NAME Brooksby Quarry CLIENT Lafarge ADDRESS	DRILLING COMPANY Direct Drilling DRILLER DRILL RIG DRILLING METHOD TOTAL DEPTH 15.2 m DIAMETER 150 mm	COORDINATES E 466889.074 N 315430.400 SURFACE ELEVATION 75.950 mAOD TOP OF PIEZOMETER COLLAR 76.600 LOGGED BY Driller
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COMPLETION 25 November 1998	CASING 50 mm dia., 0.0 - 9.2 m	SCREEN 50 mm dia., 9.2 - 15.2 m
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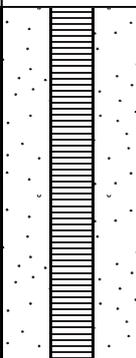
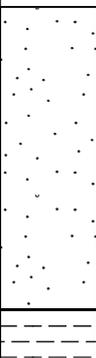
COMMENTS

Depth (m)	Water	Well Installation	Annulus	Graphic Log	Material Description	Elevation (mAOD)
			Concrete (GL - 0.2 m)		Soft to firm brown TOPSOIL	
			Bentonite (0.2 - 0.7 m)		Orange-brown mottled sandy silty CLAY	
1			Gravel (0.7 - 8.2 m)			75
2						74
3					Dense grey friable silt with siltstone fragments and siltstone bands, becoming dense with depth	73
4						72
5					Dense grey SILTSTONE	71
6					Stiff dark reddish brown silty CLAY with local bands of siltstone	70
7						69
8						68
			Bentonite (8.2 - 8.7 m)			
9			Gravel (8.7 - 15.2 m)			67
10						66
11					Reddish-brown medium SAND	65
12					Reddish-brown medium SAND with fine-medium and some large semi-rounded gravels	64

Disclaimer

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BOREHOLE WM6

Depth (m)	Water	Well Installation	Annulus	Graphic Log	Material Description	Elevation (mAOD)
13						63
14						62
15					Dense blue-grey SILT	61
16					Termination depth at 15.2 m	60
17						59
18						58
19						57
20						56
21						55
22						54
23						53
24						52
25						51
26						50

BOREHOLE WM7

PROJECT NUMBER 2484 PROJECT NAME Brooksby Quarry CLIENT Lafarge ADDRESS	DRILLING COMPANY Blue Diamond Drilling Ltd DRILLER DRILL RIG Terramec 100 DRILLING METHOD TOTAL DEPTH 10.5 m DIAMETER 200 mm	COORDINATES E 467584 N 315429 SURFACE ELEVATION 68.1 mAOD TOP OF PIEZOMETER TOP OF COVER LOGGED BY Driller
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COMPLETION 19 December 1995	CASING 19 mm dia., 0.0 - 8.7 m	SCREEN not recorded
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COMMENTS

Depth (m)	Water	Well Installation	Annulus	Graphic Log	Material Description	Elevation (mAOD)
0.5					SOIL	68
1					CLAY - mottled dark red-brown, soft to firm with about 20% mixed angular gravel	67.5
1.5						67
2						66.5
2.5					SAND - pale red-brown, fine to medium grained, significant small flakes of lignite, very occasional small rounded pebbles	66
3						65.5
3.5						65
4					SAND and GRAVEL - pale yellow-brown becoming brown with depth, medium-grained sand with about 50% fine to coarse rounded quartzite gravel, trace of lignite	64.5
4.5						64
5						63.5
5.5						63
6						62.5
6.5						62
7						61.5
7.5						61
8						60.5
8.5						60
9						59.5
9.5					CLAY - dark blue-grey, firm to stiff with occasional angular limestone pebbles	59
10						58.5
10.5						58
11					Termination Depth at:10.5 m	57.5
11.5						57
						56.5

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BOREHOLE WM 8

PROJECT NUMBER 2479 PROJECT NAME Brooksby Quarry CLIENT Lafarge ADDRESS	DRILLING COMPANY Project Dewatering DRILLER A Metcalf DRILL RIG Dando 150 DRILLING METHOD S&A TOTAL DEPTH 10 m DIAMETER 150 mm	COORDINATES E 467403.222 N 315177.993 SURFACE ELEVATION 66.877 mAOD TOP OF PIEZOMETER COLLAR 67.333 mAOD LOGGED BY Driller
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COMPLETION 4 April 2006	CASING	SCREEN
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COMMENTS

Depth (m)	Water	Well Installation	Annulus	Graphic Log	Material Description	Elevation (mAOD)	
0.5			Cement?		Clayey soil	66.5	
1			Bentonite		Stiff brown clay	66	
1.5			Sand		Firm gravelly brown clay	65.5	
2					very clayey reddish-brown fine to medium sand with rare gravel	65	
2.5						Brown silty fine to coarse sand and gravel some charcoal found in samples	64.5
3						firm brown sandy stoney clay	64
3.5						63.5	
4						63	
4.5						62.5	
5						62	
5.5						61.5	
6						61	
6.5						60.5	
7						60	
7.5						59.5	
8						59	
8.5						58.5	
9						58	
9.5						57.5	
10					firm dark grey sandy clay	57	
10.5					Termination Depth at: 10 m	56.5	
11						56	
11.5						55.5	
						55	

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BOREHOLE WM 9

PROJECT NUMBER 2479 PROJECT NAME Brooksby Quarry CLIENT Lafarge ADDRESS	DRILLING COMPANY Project Dewatering DRILLER A Metcalf DRILL RIG Dando 150 DRILLING METHOD S&A TOTAL DEPTH 12.8 m DIAMETER 150 mm	COORDINATES E 467531 N 315295 SURFACE ELEVATION 67.44 mAOD TOP OF PIEZOMETER COLLAR 67.83 mAOD LOGGED BY Driller
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COMPLETION 3 April 2006	CASING	SCREEN
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COMMENTS

Depth (m)	Water	Well Installation	Annulus	Graphic Log	Material Description	Elevation (mAOD)
			Cement?		Topsoil	67
1			Bentonite		Firm to stiff brown clay	66
2	▽				Very silty reddish brown fine to medium sand with thin soft clayey bands, also thin charcoal bands and rare gravel	65
3			Sand		Brown silty fine to coarse sand and gravel	64
4					As above - but with small brown and grey firm clay pieces. Charcoal found in all samples	63
5					As above - but with small brown and grey firm clay pieces. Charcoal found in all samples	62
6					As above - but with small brown and grey firm clay pieces. Charcoal found in all samples	61
7					As above - but with small brown and grey firm clay pieces. Charcoal found in all samples	60
8					Brown silty fine to medium sand with very small amount of gravel - some charcoal in samples	59
9					Brown silty fine to medium sand with very small amount of gravel - some charcoal in samples	58
10					Brown silty fine to medium sand with very small amount of gravel - some charcoal in samples	57
11					Brown silty fine to medium sand with very small amount of gravel - some charcoal in samples	56

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BOREHOLE WM 9

Depth (m)	Water	Well Installation	Annulus	Graphic Log	Material Description	Elevation (mAOD)
		•••••		○○○○○	Brown fine to coarse silty sand and gravel	55
					Weak dark grey shaley rock	
13					Termination Depth at: 12.8 m	54
14						53
15						52
16						51
17						50
18						49
19						48
20						47
21						46
22						45
23						44
24						43
25						42
26						41

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BOREHOLE WM10

PROJECT NUMBER 2484 PROJECT NAME Brooksby Quarry CLIENT Lafarge ADDRESS	DRILLING COMPANY Direct Drilling DRILLER DRILL RIG DRILLING METHOD TOTAL DEPTH 5.0 m DIAMETER 150 mm	COORDINATES E 467199.166 N 314992.307 SURFACE ELEVATION 66.996 mAOD TOP OF PIEZOMETER COLLAR 67.340 mAOD LOGGED BY Driller
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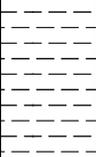
COMPLETION 24 October 2007	CASING 110 mm dia PVC	SCREEN 110 mm dia PVC with Geowrap
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COMMENTS

Depth (m)	Water	Well Installation	Annulus	Graphic Log	Material Description	Elevation (mAOD)
0.5			Bentonite (0 - 1)		MADE GROUND	66.5
1			Gravel pack (1 - 6.0)			66
1.5						65.5
2						65
2.5						64.5
3					Silty fine - medium sand with scattered fine to medium rounded gravels and fine lignite	64
3.5						63.5
4					Siltstone	63
4.5					Dark grey stiff silty laminated clay with scattered silt stones	62.5
5						62
5.5					Heavy siltstone band	61.5
6					Termination Depth at:6 m	61
6.5						60.5
7						60
7.5						59.5
8						59
8.5						58.5
9						58
9.5						57.5
10						57
10.5						56.5
11						56
11.5						55.5

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BOREHOLE ABC1 Spencer (BHA & B)

Depth (m)	Water	Well Installation	Annulus	Graphic Log	Material Description	Elevation (mAOD)
13						67
14					sand and gravel	66
15						65
16						64
17						63
18					Lias Clay	62
19						61
20					Termination Depth at: 19.5 m	60
21						59
22						58
23						57
24						56
25						55
26						54
						53

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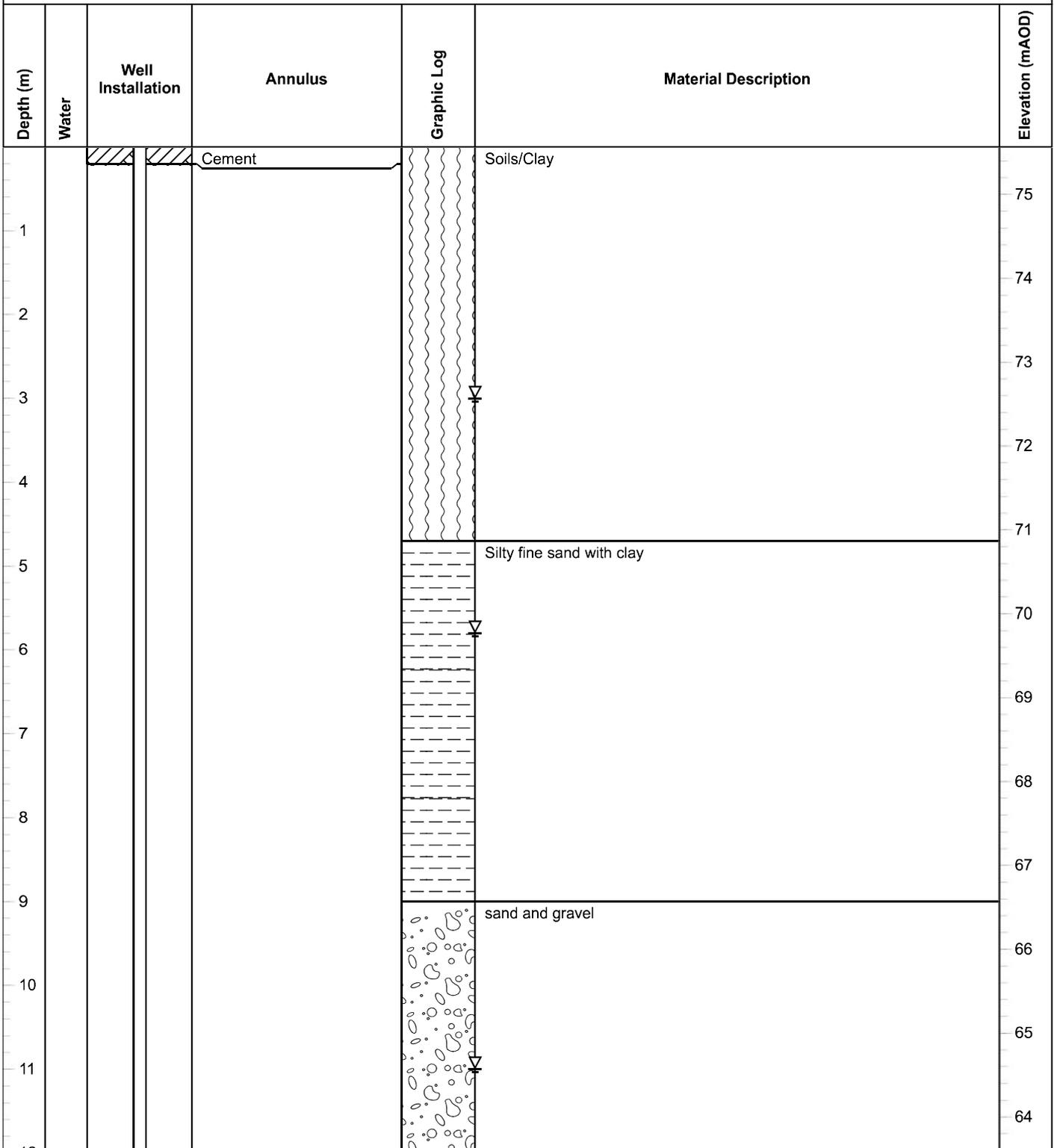
Page 2 of 2

BOREHOLE ABC2 Spencer (BHC)

PROJECT NUMBER 2484 PROJECT NAME Brooksby Quarry CLIENT Lafarge ADDRESS	DRILLING COMPANY DRILLER DRILL RIG DRILLING METHOD TOTAL DEPTH 13.3 m DIAMETER	COORDINATES E 467881.008 N 315988.583 SURFACE ELEVATION 75.569 mAOD TOP OF PIEZOMETER COLLAR 75.592 mAOD LOGGED BY
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COMPLETION 8 May 2013	CASING	SCREEN Not recorded
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COMMENTS Dry on completion of drilling



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BOREHOLE ABC2 Spencer (BHC)

Depth (m)	Water	Well Installation	Annulus	Graphic Log	Material Description	Elevation (mAOD)
12						63
13					Lias Clay	63
14					Termination Depth at: 13.3 m	62
15						61
16						60
17						59
18						58
19						57
20						56
21						55
22						54
23						53
24						52
25						51
26						50
						49

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BOREHOLE WM 1/10

PROJECT NUMBER 2484 PROJECT NAME Brooksby Quarry CLIENT Lafarge ADDRESS	DRILLING COMPANY DRILLER DRILL RIG DRILLING METHOD TOTAL DEPTH 12 m DIAMETER	COORDINATES E 467754.359 N 315990.28 SURFACE ELEVATION 78.37 mAOD (approx) TOP OF PIEZOMETER COLLAR 78.374 mAOD LOGGED BY
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COMPLETION 8 May 2013	CASING	SCREEN Not recorded
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COMMENTS Dry on completion of drilling

Depth (m)	Water	Well Installation	Annulus	Graphic Log	Material Description	Elevation (mAOD)
0.5		/ / / / /	Cement		Clay	78
1						77.5
1.5						77
2						76.5
2.5						76
3						75.5
3.5						75
4						74.5
4.5						74
5					Silt and clay	73.5
5.5						73
6						72.5
6.5						72
7						71.5
7.5						71
8						70.5
8.5						70
9						69.5
9.5						69
10						68.5
10.5						68
11						67.5
11.5						67
12					Termination Depth at: 12 m	66.5
12.5						66

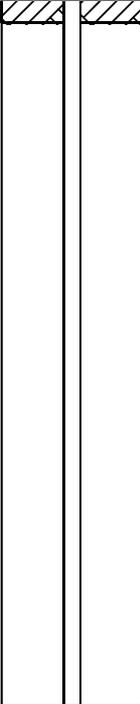
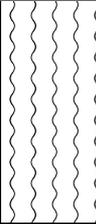
Disclaimer

BOREHOLE WM 2/10

PROJECT NUMBER 2479 PROJECT NAME Brooksby Quarry CLIENT Lafarge ADDRESS	DRILLING COMPANY DRILLER DRILL RIG DRILLING METHOD TOTAL DEPTH 6.3 m DIAMETER	COORDINATES E 467844.536 N 315875.792 SURFACE ELEVATION 74.359 mAOD TOP OF PIEZOMETER COLLAR 74.359 mAOD LOGGED BY
--	--	---

COMPLETION 16 Oct 2010	CASING	SCREEN Not recorded
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COMMENTS

Depth (m)	Water	Well Installation	Annulus	Graphic Log	Material Description	Elevation (mAOD)
0.5			Cement		Clay	78
1						77.5
1.5						77
2						76.5
2.5					Sand and gravel	76
3						75.5
3.5						75
4						74.5
4.5						74
5						73.5
5.5						73
6					Silt	72.5
6.5					Termination Depth at:6.3 m	72
7						71.5
7.5						71
8						70.5
8.5						70
9						69.5
9.5						69
10						68.5
10.5						68
11						67.5
11.5						67
						66.5

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BOREHOLE LOG

Project Brooksby Quarry		Client Tarmac		Date Completed 09/02/2017
Project No. TAR/BRO/SHA/2905/01		Ground Level (mAOD)	Co-ordinates E 467 328. N 315 774.	
Contractor Hughes Exploration & Environmental Ltd.			Location Brooksby, Leicestershire	Sheet 1 of 2

Scale	SAMPLES & TESTS			STRATA				Water	Instrument/ Backfill
	Depth	Type No	Result / Blows	Reduced Level	Depth (Thickness)	DESCRIPTION	Legend		
1					0.10	Soft dark brown slightly sandy silty CLAY with abundant rootlets. Sand is fine to medium.			
					0.40	Soft brown slightly silty slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is sub-rounded to sub-angular fine to coarse grey and brown flint and sandstone.			
					(1.10)	Stiff reddish brown slightly sandy slightly gravelly silty CLAY. Sand is fine to medium. Gravel is sub-rounded to angular fine to coarse grey and brown flint and sandstone.			
					1.50	Very stiff reddish brown silty CLAY.			
						4.30 Sub-angular fine to coarse grey gravel of flint.			
6					(8.00)				
					9.50	9.30 Sub-angular fine to coarse grey gravel of flint.			
					(0.70)				

GROUNDWATER							REMARKS / INSTALLATIONS		DRILLING	
Date	Depth of hole	Depth of casing	Depth to water	Depth struck	Depth after 20 mins	Depth sealed			Type and Diameter	Depth m
10/02/17 13/02/17	17.20		15.14	16.70			Slotted and geo-wrapped 63mm external diameter HDPE pipe installed from approximately 18.0mbgl to approximately 1.0mbgl fitted with an end cap at the base. Annulus between borehole and slotted section filled with fines free gravel pack. Plain 63mm external diameter HDPE pipe installed from 1.0mbgl to ground level fitted with gas tight bung incorporating a gas monitoring tap at the top. Annulus between borehole and plain section filled progressively with bentonite granules hydrated at approximately 0.2m intervals. Concrete seal around base of padlocked headworks at ground level with headworks raised approximately 0.3m above ground level.		Plant: SDC550-18 Crew: MO & JL	
							LOGGED BY	JR	Sonic 150mm	18.00



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BOREHOLE LOG

Project Brooksby Quarry		Client Tarmac		Date Completed 09/02/2017
Project No. TAR/BRO/SHA/2905/01		Ground Level (mAOD)	Co-ordinates E 467 328. N 315 774.	
Contractor Hughes Exploration & Environmental Ltd.			Location Brooksby, Leicestershire	Sheet 2 of 2

Scale	SAMPLES & TESTS			STRATA				Water	Instrument/ Backfill
	Depth	Type No	Result / Blows	Reduced Level	Depth (Thick-ness)	DESCRIPTION	Legend		
11 12 13 14 15 16 17 18 19					10.20	Very stiff reddish brown silty gravelly CLAY. Gravel is sub-rounded to sub-angular fine to coarse grey and brown flint and sandstone. <i>(continued)</i>			
					(0.70)				
					10.90	Very weak to weak greenish grey interbedded SILTSTONE & SANDSTONE.			
						Orangish brown slightly gravelly SAND. Sand is fine to medium. Gravel is sub-rounded to angular fine to medium grey and brown flint and sandstone.			
					(2.60)				
					13.50	Orangish brown gravelly SAND. Sand is fine to coarse. Gravel is sub-rounded to angular fine to coarse grey and brown flint and sandstone.			
					(3.50)				
					17.00	Very weak greenish grey MUDSTONE.			
					(0.50)				
					17.50	Extremely weak dark grey fissile MUDSTONE.			
				(0.50)					
				18.00	END OF BOREHOLE				

GROUNDWATER							REMARKS / INSTALLATIONS	DRILLING	
Date	Depth of hole	Depth of casing	Depth to water	Depth struck	Depth after 20 mins	Depth sealed	Slotted and geo-wrapped 63mm external diameter HDPE pipe installed from approximately 18.0mbgl to approximately 1.0mbgl fitted with an end cap at the base. Annulus between borehole and slotted section filled with fines free gravel pack. Plain 63mm external diameter HDPE pipe installed from 1.0mbgl to ground level fitted with gas tight bung incorporating a gas monitoring tap at the top. Annulus between borehole and plain section filled progressively with bentonite granules hydrated at approximately 0.2m intervals. Concrete seal around base of padlocked headworks at ground level with headworks raised approximately 0.3m above ground level.	Plant: SDC550-18	Crew: MO & JL
10/02/17 13/02/17	17.20		15.14	16.70				Type and Diameter	Depth m
								Sonic 150mm	18.00
LOGGED BY							JR		



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BOREHOLE LOG

Project Brooksby Quarry		Client Tarmac		Date Completed 10/02/2017
Project No. TAR/BRO/SHA/2905/01		Ground Level (mAOD)	Co-ordinates E 467 057. N 315 186.	
Contractor Hughes Exploration & Environmental Ltd.			Location Brooksby, Leicestershire	Sheet 1 of 2

Scale	SAMPLES & TESTS			STRATA				Water	Instrument/ Backfill
	Depth	Type No	Result / Blows	Reduced Level	Depth (Thickness)	DESCRIPTION	Legend		
1					(2.80)	Soft reddish brown slightly sandy slightly gravelly silty CLAY with rare rootlets. Sand is fine to medium. Gravel is sub-rounded to sub-angular fine to coarse grey and brown flint, mudstone, siltstone and mudstone. 0.50 Becoming firm. 1.00 Becoming stiff.			
2					2.80				
3					(0.70)	Very stiff dark blueish grey slightly gravelly silty CLAY. Gravel is sub-rounded to sub-angular fine to coarse grey and brown flint and sandstone.			
					3.50	3.00 Sub-rounded brown cobble of sandstone.			
4					3.70	Firm light grey slightly gravelly sandy CLAY. Sand is fine to medium. Gravel is sub-rounded to sub-angular fine to coarse grey and brown flint and sandstone.			
5					(2.00)	Orangish brown slightly gravelly SAND. Sand is fine to medium. Gravel is sub-rounded to sub-angular fine to medium grey and brown flint and sandstone.			
6					5.70				
7					(4.00)	Orangish brown gravelly SAND. Sand is fine to coarse. Gravel is sub-rounded to sub-angular fine to coarse grey and brown flint and sandstone.			
8									
9					9.70				
						Extremely weak dark grey fissile MUDSTONE.			

GROUNDWATER							REMARKS / INSTALLATIONS	DRILLING		
Date	Depth of hole	Depth of casing	Depth to water	Depth struck	Depth after 20 mins	Depth sealed	Slotted and geo-wrapped 63mm external diameter HDPE pipe installed from approximately 11.0mbgl to approximately 2.0mbgl fitted with an end cap at the base. Annulus between borehole and slotted section filled with fines free gravel pack. Plain 63mm external diameter HDPE pipe installed from 2.0mbgl to ground level fitted with gas tight bung incorporating a gas monitoring tap at the top. Annulus between borehole and plain section filled progressively with bentonite granules hydrated at approximately 0.2m intervals. Concrete seal around base of padlocked headworks at ground level with headworks raised approximately 0.3m above ground level.	Plant: SDC550-18		
08/02/17 13/02/17	9.90		8.02	9.00				Crew: MO & JL	Type and Diameter	Depth m
								LOGGED BY	JR	Sonic 150mm



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BOREHOLE LOG

Project Brooksby Quarry		Client Tarmac		Date Completed 10/02/2017
Project No. TAR/BRO/SHA/2905/01		Ground Level (mAOD)	Co-ordinates E 467 057. N 315 186.	
Contractor Hughes Exploration & Environmental Ltd.			Location Brooksby, Leicestershire	Sheet 2 of 2

Scale	SAMPLES & TESTS			STRATA				Legend	Water	Instrument/ Backfill
	Depth	Type No	Result / Blows	Reduced Level	Depth (Thickness)	DESCRIPTION				
11					(1.30) 11.00	Extremely weak dark grey fissile MUDSTONE. <i>(continued)</i>				
12						END OF BOREHOLE				
13										
14										
15										
16										
17										
18										
19										

GROUNDWATER							REMARKS / INSTALLATIONS	DRILLING		
Date	Depth of hole	Depth of casing	Depth to water	Depth struck	Depth after 20 mins	Depth sealed		Type and Diameter	Depth m	
08/02/17 13/02/17	9.90		8.02	9.00			Slotted and geo-wrapped 63mm external diameter HDPE pipe installed from approximately 11.0mbgl to approximately 2.0mbgl fitted with an end cap at the base. Annulus between borehole and slotted section filled with fines free gravel pack. Plain 63mm external diameter HDPE pipe installed from 2.0mbgl to ground level fitted with gas tight bung incorporating a gas monitoring tap at the top. Annulus between borehole and plain section filled progressively with bentonite granules hydrated at approximately 0.2m intervals. Concrete seal around base of padlocked headworks at ground level with headworks raised approximately 0.3m above ground level.	Plant: SDC550-18 Crew: MO & JL	Sonic 150mm	11.00
LOGGED BY							JR			



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BOREHOLE LOG

Project Brooksby Quarry		Client Tarmac		Date Completed 13/02/2017
Project No. TAR/BRO/SHA/2905/01		Ground Level (mAOD)	Co-ordinates E 466 985. N 315 306.	Borehole No. BH3/17
Contractor Hughes Exploration & Environmental Ltd.			Location Brooksby, Leicestershire	Sheet 1 of 2

Scale	SAMPLES & TESTS			STRATA				Legend	Water	Instrument/ Backfill
	Depth	Type No	Result / Blows	Reduced Level	Depth (Thick-ness)	DESCRIPTION				
1 2 3 4 5 6 7 8 9					0.10	Firm brown slightly sandy silty CLAY with frequent rootlets. Sand is fine to medium.				
					(0.90)	Soft dark orangish brown slightly silty slightly gravelly sandy CLAY. Sand is fine to coarse. Gravel is sub-rounded to sub-angular fine to medium grey and brown flint and sandstone.				
					1.00	0.70 Sub-angular brownish grey cobble of flint.				
					1.40	Greyish brown SAND. Sand is fine to medium.				
					(4.10)	Very firm reddish brown slightly sandy slightly gravelly silty CLAY. Sand is fine to medium. Gravel is sub-rounded to sub-angular fine to coarse brown and grey flint and sandstone.				
					5.50	4.00 Lens of orangish brown sand. Sand is fine to medium. 4.90 Becoming sandy.				
				(6.20)	6.20	Orangish brown slightly gravelly SAND. Sand is fine to medium. Gravel is sub-rounded to sub-angular fine to coarse brown and grey flint and sandstone.				
					8.80	8.80 Becoming gravelly.				

GROUNDWATER							REMARKS / INSTALLATIONS	DRILLING		
Date	Depth of hole	Depth of casing	Depth to water	Depth struck	Depth after 20 mins	Depth sealed		Type and Diameter	Depth m	
09/02/17 13/02/17	11.70		11.19	11.00			Slotted and geo-wrapped 63mm external diameter HDPE pipe installed from approximately 13.2mbgl to approximately 1.0mbgl fitted with an end cap at the base. Annulus between borehole and slotted section filled with fines free gravel pack. Plain 63mm external diameter HDPE pipe installed from 1.0mbgl to ground level fitted with gas tight bung incorporating a gas monitoring tap at the top. Annulus between borehole and plain section filled progressively with bentonite granules hydrated at approximately 0.2m intervals. Concrete seal around base of padlocked headworks at ground level with headworks raised approximately 0.3m above ground level.	Plant: SDC550-18 Crew: MO & JL	Sonic 150mm	13.20
							LOGGED BY	JR		



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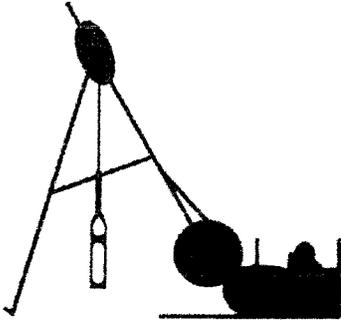
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BOREHOLE LOG

Project Brooksby Quarry		Client Tarmac		Date Completed 13/02/2017
Project No. TAR/BRO/SHA/2905/01		Ground Level (mAOD)	Co-ordinates E 466 985. N 315 306.	
Contractor Hughes Exploration & Environmental Ltd.			Location Brooksby, Leicestershire	Sheet 2 of 2

Scale	SAMPLES & TESTS			STRATA				Water	Instrument/ Backfill
	Depth	Type No	Result / Blows	Reduced Level	Depth (Thickness)	DESCRIPTION	Legend		
11					11.70	Orangish brown slightly gravelly SAND. Sand is fine to medium. Gravel is sub-rounded to sub-angular fine to coarse brown and grey flint and sandstone. <i>(continued)</i>			
12					(1.50)	Extremely weak dark grey fissile MUDSTONE.			
13					13.20	END OF BOREHOLE			
14									
15									
16									
17									
18									
19									

GROUNDWATER							REMARKS / INSTALLATIONS	DRILLING		
Date	Depth of hole	Depth of casing	Depth to water	Depth struck	Depth after 20 mins	Depth sealed	Slotted and geo-wrapped 63mm external diameter HDPE pipe installed from approximately 13.2mbgl to approximately 1.0mbgl fitted with an end cap at the base. Annulus between borehole and slotted section filled with fines free gravel pack. Plain 63mm external diameter HDPE pipe installed from 1.0mbgl to ground level fitted with gas tight bung incorporating a gas monitoring tap at the top. Annulus between borehole and plain section filled progressively with bentonite granules hydrated at approximately 0.2m intervals. Concrete seal around base of padlocked headworks at ground level with headworks raised approximately 0.3m above ground level.	Plant: SDC550-18		
09/02/17 13/02/17	11.70		11.19	11.00				Crew: MO & JL	Type and Diameter	Depth m
LOGGED BY								JR	Sonic 150mm	13.20



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Tel: (01727) 823866

Site Investigation
Soakaways
Bored Wells

Proprietor: D.S.WATTS
Vat No :905016070

Depth	Strata Description	Penetration Testing and Samples									
		Type	From	To	75	150	225	300	375	450	Blows
G/h	TOP SOIL										
0.30	ORANGE BROWN FIRM SILTY CLAY	B1	800	850	DRY						
	BECOMING MAUVE BROWN AND GRAY WITH DEPTH.	B2	900	950	DRY						
1.60	ORANGE BROWN FIRM SANDY CLAY										
5.10	AS AT 0.30										
7.40	MAUVE ORANGE BROWN FINE TO MEDIUM SAND WITH FINE GRAVELS										
8.80	WITH LIGNITE TRACES										
9.60	MARL										
DRILLED TO 10.M											

Remarks: MOVED RIG BOWZER AND CASING = 1/2 HR

Driller: *W.C.*

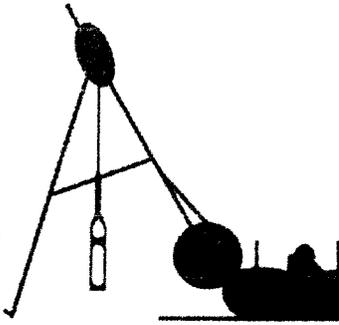
1120	Strike 1	Strike 2	Strike 3
Depth			
Depth 5 mins			
Depth 10 mins			
Depth 15 mins			
Depth 20 mins			
Casing			
Water Levels			
Depth	Casing	Time	
Morning			
Depth at end of day			
Diameter (mm)	Borehole	Casing	
150	10.00	3.00	

Hard Strata / Chiseling			
From (m)	To (m)	From (Hrs)	To (Hrs)
Total number of samples			
SPT's	Bulks	U100's	Disturbs
	2		
Move	Drill	Stand	D Work's
1	10.00		1/2
Back filling	Trial Pit		
10			
Site	BROOKSBY		
Job No			B/H No 2
Day	WEDNESDAY		Date 28/11/18

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Site Investigation
Soakaways
Bored Wells

Proprietor: D.S.WATTS
Vat No :905016070

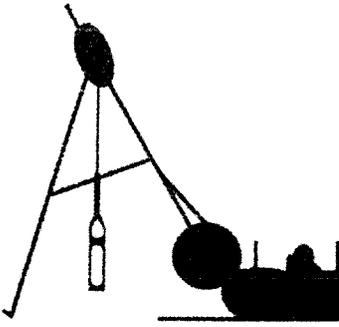
Depth	Strata Description	Penetration Testing and Samples													
		Type	From	To	75	150	225	300	375	450	Blows				
G/h	TOP SOIL														
0.30	ORANGE BROWN FIRM SILTY CLAY	B1	300	350											
2.50	ORANGE BROWN FINE TO MEDIUM SANDS WITH FINE TO MEDIUM SUB ANGULAR AND SEMI ROUNDED GRAVELS	B2	450	500											
5.40	MARL														
DRILLED TO 6.50M															

Remarks: MOVED RIG BOWZER AND CASING = 1/2 HR

Driller:

H2O	Strike 1	Strike 2	Strike 3
Depth			
Depth 5 mins			
Depth 10 mins			
Depth 15 mins			
Depth 20 mins			
Casing			
Water Levels			
Depth	Casing	Time	
Morning			
Depth at end of day			
Diameter (mm)	Borehole	Casing	
150	6.50	6.00	

Hard Strata / Chiseling			
From (m)	To (m)	From (Hrs)	To (Hrs)
Total number of samples			
SPT's	Bulks	U100's	Disturbs
	2		
Move	Drill	Stand	D Work's
1	6.50		
Back filling	Trial Pit		
6.50			
Site: BROOKSBY			
Job No		B/H No 3	
Day: WEDNESDAY		Date: 28/11/18	



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Site Investigation
Soakaways
Bored Wells

Proprietor: D.S.WATTS
Vat No :905016070

Depth	Strata Description	Penetration Testing and Samples																		
		Type	From	To	75	150	225	300	375	450	Blows									
61h	TOP SOIL.																			
0.30	ORANGE BROWN FIRM SILTY CLAY WITH SCATTERED GRAVEL. BECOMING MAUVE BROWN AND GRAY WITH DEPTH																			
560	MAUVE BROWN FINE TO MEDIUM SAND																			
580	MARL																			
DRILLED TO 7.M																				

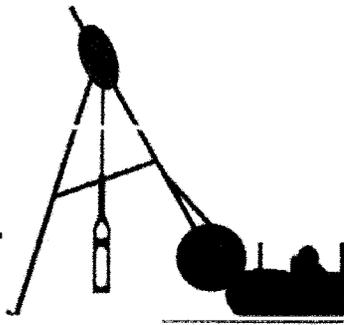
Remarks MOVED RIG BOWZER AND CASING = 1/2 HR

Driller *[Signature]*

H2O	Strike 1	Strike 2	Strike 3
Depth			
Depth 5 mins			
Depth 10 mins			
Depth 15 mins			
Depth 20 mins			
Casing			

Water Levels		
Depth	Casing	Time
Morning		
Depth at end of day		
Diameter (mm)	Borehole	Casing
150	7.00	6.00

Hard Strata / Chiseling			
From (m)	To (m)	From (Hrs)	To (Hrs)
Total number of samples			
SPT's	Bulks	U100's	Disturbs
Move	Drill	Stand	D Work's
1	700		1/2
Back filling	Trial Pit		
700			
Site BROOKSBY			
Job No		B/H No 4	
Day THURSDAY		Date 29/11/18	



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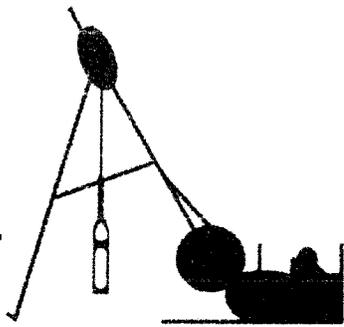
Proprietor: D.S.WATTS
Vat No :905016070

Depth	Strata Description	Penetration Testing and Samples																		
		Type	From	To	75	150	225	300	375	450	Blows									
GLK	GRASSED TOP SOIL																			
0.30	ORANGE BROWN SOFT TO FIRM CLAY	B1	1250	1300																
	BOUND SILT	B2	1400	1450																
2.70	GRAY FIRM SILTY CLAY BECOMING	B3	1550	1600																
	MAUVE BROWN AND GRAY WITH DEPTH	B4	1700	1750																
10.90	SILT STONE BANDS (CHISELING)	B5	1800	1850																
11.80	ORANGE BROWN FINE TO MEDIUM SAND	B6	1900	1950																
	WITH FINE TO MEDIUM SUB ANGULAR																			
	AND SEMI ROUNDED GRAVELS.																			
18.00	ORANGE BROWN FINE TO MEDIUM																			
	SILTY SAND.																			
18.90	GRAY BROWN FINE TO MEDIUM SAND																			
	WITH FINE / MEDIUM AND SCATTERED																			
	LARGE SUB ANGULAR AND SEMI ROUNDED																			
	GRAVELS (VERY DENSE)																			
	(CONGLOMERATE)																			
20.40	GRAY STIFF LAMINATED CLAY																			
	DRILLED TO 21.50																			

Remarks: 3/4 HR TO MOVED RIG BOWLER AND CASING. Driller: *[Signature]*

H2O	Strike 1	Strike 2	Strike 3
Depth			
Depth 5 mins			
Depth 10 mins			
Depth 15 mins			
Depth 20 mins			
Casing			
Water Levels			
Depth	Casing	Time	
Morning			
Depth at end of day			
Diameter (mm)	Borehole	Casing	
150	21.50	21.00	

Hard Strata - Chiseling					
From (m)	To (m)	From (Hrs)	To (Hrs)		
10.90	11.80	1 1/2			
18.90	20.40	1 1/2			
Total number of samples					
SPT's	Bulks	U100's	Disturbs	H2O	
	6			1	
Move	Drill	Stand	D Work's	Back filling	Trial Pit
1	21.50		3/4	21.50	
Site: BROOKSBY					
Job No			B/H No 6		
Day: FRIDAY			Date: 30/11/18		
			Date: 3/12/18		



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Site Investigation
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Bored Wells

Proprietor: D.S. WATTS
Vat No :905016070

Depth	Strata Description	Penetration Testing and Samples									
		Type	From	To	75	150	225	300	375	450	Blows
G/L	GRASSED TOP SOIL										
0.30	ORANGE BROWN FIRM SILTY CLAY	B1	600	650	DRY						
2.20	ORANGE BROWN CLAY BOUND SANDY SILT	B2	700	750							
		B3	850	900							
4.80	MAUVE BROWN AND GRAY FIRM SILTY CLAY	B4	1000	1050							
		B5	11.50	1200							
5.70	ORANGE BROWN FINE TO MEDIUM SAND WITH LIGNITE				WATER SAMPLE						
6.90	ORANGE BROWN FINE TO MEDIUM SAND WITH FINE/MEDIUM SUB ANGULAR AND SEMI ROUND CO GRAVELS				MOVED BOWZER AND CASING TO PIT FOR SAFE KEEPING OVER CHRISTMAS = 1 HR						
10.80	ORANGE BROWN FINE TO MEDIUM SAND WITH VERY LITTLE FINE GRAVEL				CLEARED AROUND W/M 8 TO FIND LINER, AND EXPOSED READY TO REPAIR ON RETURN = 1 HR						
12.20	GRAY STIFF LAMINATED CLAY										
	DRILLED TO 13.50										

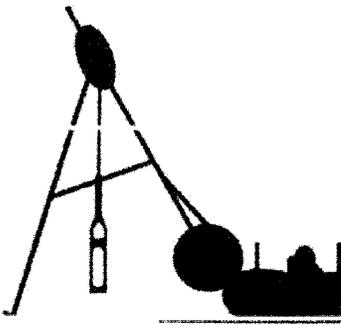
Remarks: Driller:

MOVED RIG BOWZER AND CASING = 1/2 HR

1120	Strike 1	Strike 2	Strike 3
Depth			
Depth 5 mins			
Depth 10 mins			
Depth 15 mins			
Depth 20 mins			
Casing			

Water Levels		
Depth	Casing	Time
Morning		
Depth at end of day		
Diameter (mm)	Borehole	Casing
150	13.50	12.50

Hard Strata / Chiseling			
From (m)	To (m)	From (Hrs)	To (Hrs)
Total number of samples			
SPT's	Bulks	U100's	Disturbs H2O
	5		1
Move	Drill	Stand	D Work's Back filling Trial Pit
1	13.50	2 1/2	13.50
Site: BROOKSBY			
Job No		B/H No 7	
Day TUESDAY WEDNESDAY		Date 11/12/18	



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Site Investigation
Soakaways
Bored Wells

Proprietor: D.S.WATTS
Vat No :905016070

Depth	Strata Description	Penetration Testing and Samples																		
		Type	From	To	75	150	225	300	375	450	Blows									
G/h	GRASSSED TOP SOIL																			
0.30	ORANGE BROWN FIRM SILTY CLAY																			
1.40	ORANGE BROWN FINE TO MEDIUM SAND WITH FINE GRAVELS																			
1.60	MAUVE BROWN AND GRAY FIRM SILTY CLAY																			
4.50	WITH FINE SAND SAND H2O																			
9.60	GRAY STIFF CLAY WITH LARGE SILT STONE BANDS																			
DRILLED TO 13.00M																				

Remarks: Driller: *[Signature]*

MOVED RIG BOWZER AND CASING = 1/2 HR

H2O	Strike 1	Strike 2	Strike 3
Depth			
Depth 5 mins			
Depth 10 mins			
Depth 15 mins			
Depth 20 mins			
Casing			

Water Levels		
Depth	Casing	Time
Morning		
Depth at end of day		
Diameter (mm)	Borehole	Casing
150	13.00	10.00

Hard Strata / Chiseling			
From (m)	To (m)	From (Hrs)	To (Hrs)
9.60	13.00	1 HR	

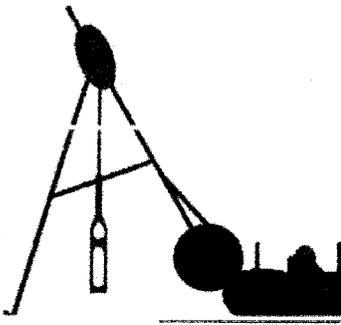
Total number of samples				
SPT's	Bulks	U100's	Disturbs	H2O
				1

Move	Drill	Stand	D Work's	Back filling	Trial Pit
1	13.00		1/2	13.00	

Site: *Brooksbury*

Job No: *8* B/H No: *8*

Day: *MONDAY* Date: *10/12/18*



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Site Investigation
Soakaways
Bored Wells

Proprietor: D.S. WATTS
Vat No :905016070

Depth	Strata Description	Penetration Testing and Samples									
		Type	From	To	75	150	225	300	375	450	Blows
G16	GRASSED TOP SOIL										
0.30	ORANGE BROWN FIRM CLAY BOUND SILT	B1	600	650							
4.50	SILT STONE BAND (CHISELING)	B2	7.50	800							
5.70	ORANGE BROWN SANDY SILT. H ² O	B3	1000	1050							
8.30	MAUVE ORANGE BROWN FIRM SILTY CLAY WITH SILT STONE BANDS (CHISELING)	B4	1150	1200							
		B5	1250	1300							
		B6	1400	1450							
9.40	ORANGE BROWN FINE TO MEDIUM SAND WITH NIGRITE		WATER SAMPLE								
		B7	1500	1550							
12.20	AS @ 9.40 WITH FINE TO MEDIUM SUB ANGULAR AND SEMI ROUNDED GRAVELS										
15.00	GREEN GRAY MEDIUM TO COARSE SAND WITH FINE MEDIUM AND SCATTERED LARGE SUB ANGULAR AND SEMI ROUNDED GRAVELS (DENSE)										
16.10	GRAY STIFF LAMINATED CLAY										
DRILLED TO 17.50											

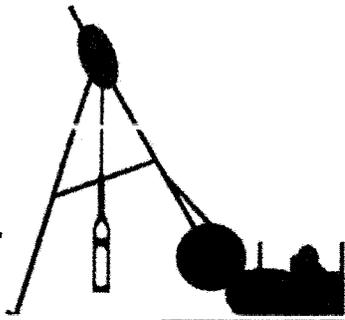
Remarks Driller

MOVED RIG, BOWSER AND CASING = 1/2 HR

DS

H2O	Strike 1	Strike 2	Strike 3
Depth			
Depth 5 mins			
Depth 10 mins			
Depth 15 mins			
Depth 20 mins			
Casing			
Water Levels			
Depth	Casing	Time	
Morning			
Depth at end of day			
Diameter (mm)	Borehole	Casing	
150	17.50	16.50	

Hard Strata / Chiseling			
From (m)	To (m)	From (Hrs)	To (Hrs)
4.50	5.70	1 HR	
8.30	9.40	1 HR	
Total number of samples			
SPT's	Bulks	U100's	Disturbs
	7		1
Move	Drill	Stand	D Work's
1	17.50		Y2
Back filling	Trial Pit		
17.50			
Site BROOKSBY			
Job No		B/H No 9	
Day THURSDAY		Date 6/12/18	
		Date 7/12/18	



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Site Investigation
Soakaways
Bored Wells

Proprietor: D.S.WATTS
Vat No :905016070

Depth	Strata Description	Penetration Testing and Samples																		
		Type	From	To	75	150	225	300	375	450	Blows									
G/L	GRASSED TOP SOIL																			
0-30	ORANGE BROWN CLAY BOUND SILT	B1	1100	1150																
3-60	MAUVE BROWN AND GRAY FIRM SILTY CLAY	B2	1250	1300																
7-50	SILT STONE BANDS (CHISELING)	B3	1400	1450																
10-40	ORANGE BROWN FINE TO MEDIUM SILTY SAND WITH FINE TO MEDIUM SUB ANGULAR AND SEMI ROUNDED GRAVELS	B4	1550	1600																
	(BECOMING CLEAN WITH DEPTH)	B5	1700	1750																
			WATER SAMPLE																	
14-00	GREEN GRAY FINE TO MEDIUM SAND WITH SCATTERED FINE GRAVELS AND LIGNITE																			
15-50	GREEN GRAY MEDIUM TO COARSE SAND WITH FINE MEDIUM AND SCATTERED LARGE SUB ANGULAR AND SEMI ROUNDED GRAVELS WITH LIGNITE																			
17-80	STIFF GRAY SILTY CLAY																			
	DRILLED TO 1900																			

Remarks: Filled BOWZER IN PIT = 1 HR
MOVED RIG BOWZER AND CASING = 1/2 HR

Driller: *[Signature]*

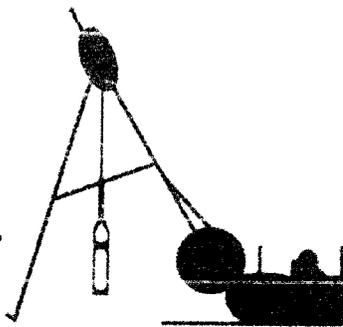
H2O	Strike 1	Strike 2	Strike 3
Depth			
Depth 5 mins			
Depth 10 mins			
Depth 15 mins			
Depth 20 mins			
Casing			
Water Levels			
Depth	Casing	Time	
Morning			
Depth at end of day			
Diameter (mm)	Borehole	Casing	
150	19.00	18.00	

Hard Strata - Chiseling					
From (m)	To (m)	From (Hrs)	To (Hrs)		
7.50	10.40	2 HRS			
Total number of samples					
SPT's	Bulks	U100's	Disturbs	H2O	
	5			1	
Move	Drill	Stand	D Work's	Back filling	Trial Pit
1	19.00		1 1/2	19.00	
Site: BROOKSBY					
Job No			B/H No 10		
Day WEDNESDAY			Date 5/12/18		
THURSDAY			6/12/18		

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Site Investigation
Soakaways
Bored Wells

Proprietor: D.S.WATTS
Vat No :905016070

Depth	Strata Description	Penetration Testing and Samples																		
		Type	From	To	75	150	225	300	375	450	Blows									
G/h	GRASSED TOP SOIL																			
0:30	ORANGE BROWN SANDY CLAY WITH FINE GRAVELS																			
0:50	MAUVE BROWN FIRM SILTY CLAY																			
2:20	MAUVE BROWN FIRM SILTY CLAY WITH SANDY SILT LENSES																			
4:30	GRAY STIFF SILTY CLAY WITH SILT STONES																			
DRILLED TO 11:00AM																				

Remarks

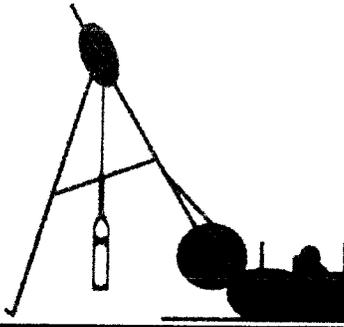
Driller

MOVED RIG BOWZER AND CASING = 1/2 HR

H2O	Strike 1	Strike 2	Strike 3
Depth			
Depth 5 mins			
Depth 10 mins			
Depth 15 mins			
Depth 20 mins			
Casing			

Water Levels		
Depth	Casing	Time
Morning		
Depth at end of day		
Diameter (mm)	Borehole	Casing
150	11:00	4:50'

Hard Strata / Chiseling			
From (m)	To (m)	From (Hrs)	To (Hrs)
Total number of samples			
SPT's	Bulks	U100's	Disturbs
Move	Drill	Stand	D Work's
1	11:00		Y2
Back filling	Trial Pit		
11:00			
Site BROOKSBY			
Job No		B/H No 11	
Day TUESDAY		Date 11/12/18	



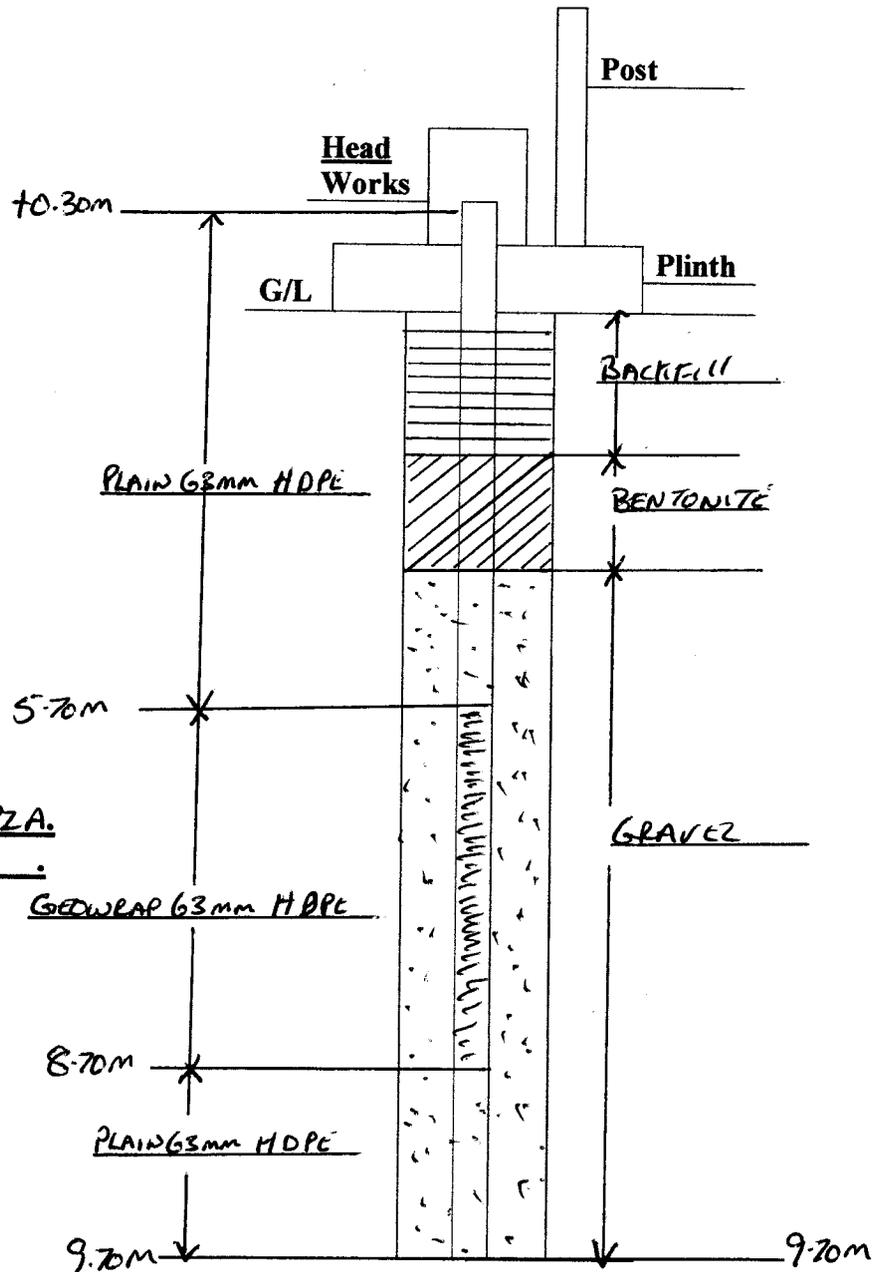
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BORED WELLS

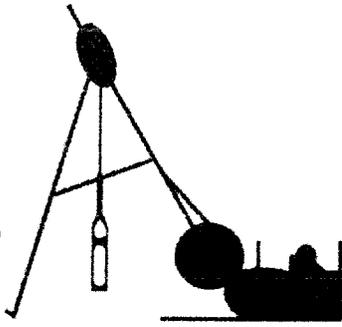
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Proprietor : D.S.Watts
Vat No : 905016070



Installation of B/H/18/PZA.
Site: Brooksby
Date: 30/1/19.

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Vat No :905016070

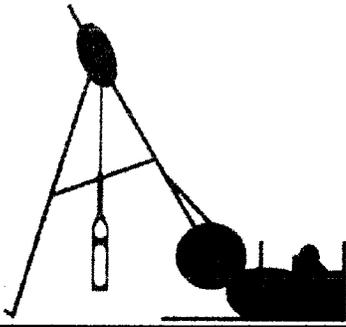
Depth	Strata Description	Penetration Testing and Samples													
		Type	From	To	75	150	225	300	375	450	Blows				
G/L	GRASSED TOP SOIL														
0.30	ORANGE BROWN FIRM SILTY CLAY	B1	1100	1150											
	BECOMING MAUVE BROWN AND GRAY WITH DEPTH	B2	1250	1300											
10.50	ORANGE BROWN FINE TO MEDIUM SAND WITH FINE TO MEDIUM SUB ANGULAR AND SEMI-ROUNDED GRAVELS	MOVED RIG CASING AND BOWZER = 1HR.													
		CLEARED SPOILS = 1/2 HR.													
13.20	FIRM GRAY SILTY CLAY	COLLECTED INSTALLATION EQUIPMENT FROM PIT = 1HR.													
	DRILLED TO 14.20														

Remarks _____ Driller 

H2O	Strike 1	Strike 2	Strike 3
Depth			
Depth 5 mins			
Depth 10 mins			
Depth 15 mins			
Depth 20 mins			
Casing			

Water Levels		
Depth	Casing	Time
Morning		
Depth at end of day		
Diameter (mm)	Borehole	Casing
150	14.20	13.50

Hard Strata / Chiseling			
From (m)	To (m)	From (Hrs)	To (Hrs)
Total number of samples			
SPT's	Bulks	U100's	Disturbs
	2		
Move	Drill	Stand	D Work's
1	14.20		2 1/2
Back filling			
Trial Pit			
Site BROOKSBY			
Job No		B/H No 18 P2C	
Day THURSDAY		Date 17/1/19	



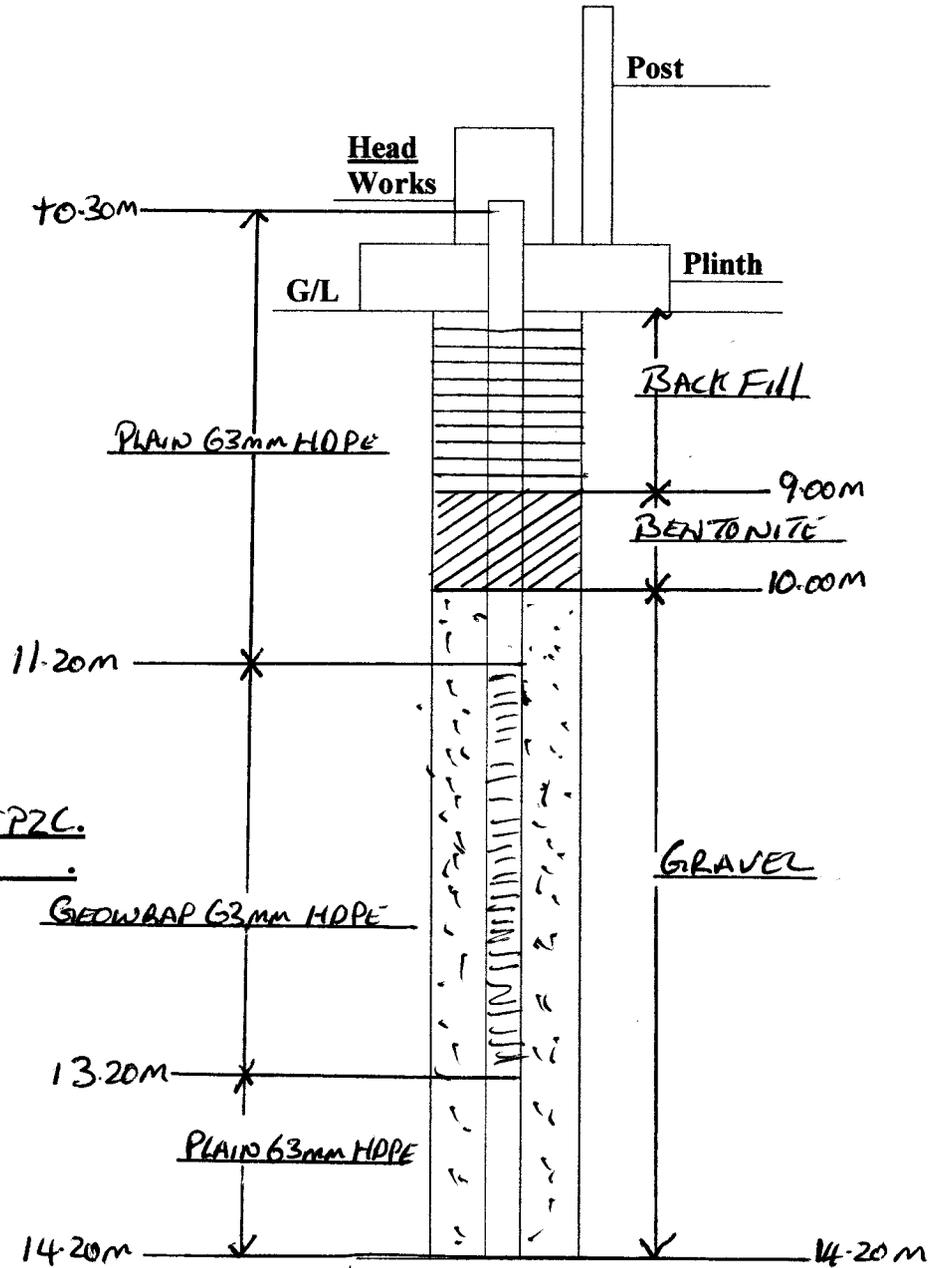
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Installation of B/H 18P2C.

Site: BROOKSBY

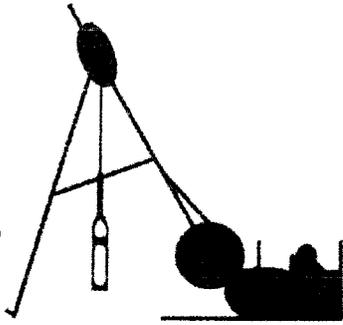
Date: 17/1/19.

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Proprietor: D.S.WATTS
Vat No :905016070

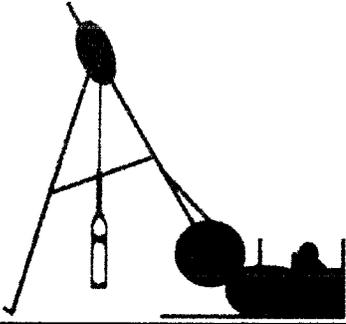
Depth	Strata Description	Penetration Testing and Samples									
		Type	From	To	75	150	225	300	375	450	Blows
6.1	GRASSSED TOP SOIL										
0.30	ORANGE BROWN FIRM SILTY CLAY	B1	1100	11.50							
1.00	BECOMING MAUVE BROWN AND CLAY	B2	1250	1300							
3.50	MAUVE BROWN SOFT FRIABLE SILTY CLAY H2O										
6.90	BECOMING FIRM										
7.80	FIRM GRAY SILTY CLAY										
9.50	SILT STONE BAND H2O (CHISELING)										
10.00	GRAY FIRM SILTY CLAY										
10.40	SILT STONE AND CLAY BANDS (CHISELING)										
10.80	GRAY FINE TO MEDIUM SAND WITH FINE TO MEDIUM SUB ANGULAR AND SEMI ROUNDED GRAVELS BECOMING ORANGE BROWN WITH DEPTH										
13.40	FIRM GRAY SILTY CLAY										
	DRILLED TO 14.50.										

FILLED BOWZER IN PIT = 1HR
ON STAND FROM 10.30 TO 12 NOON
TO LOOK AT B/H POSITIONS WITH
GARETH AND HAFRENWATER = 1 1/2 HRS.
COLLECTED INSTALLATION EQUIPMENT
FROM PIT = 1HR.
CLEARED SPOILS = 1/2 HR

Remarks _____ Driller *[Signature]*

H2O	Strike 1	Strike 2	Strike 3
Depth			
Depth 5 mins			
Depth 10 mins			
Depth 15 mins			
Depth 20 mins			
Casing			
Water Levels			
Depth	Casing	Time	
Morning			
Depth at end of day			
Diameter (mm)	Borehole	Casing	
150	14.50	13.50	

Hard Strata / Chiseling					
From (m)	To (m)	From (Hrs)	To (Hrs)		
9.50	10.00		1HR.		
10.40	10.80		1HR.		
Total number of samples					
SPT's	Bulks	U100's	Disturbs H2O		
	2				
Move	Drill	Stand	D Work's	Back filling	Trial Pit
1	14.50	1 1/2.	2 1/2		
Site BROOKSBY					
Job No			B/H No 18/PZD.		
Day MONDAY TUESDAY			Date 7/1/19		



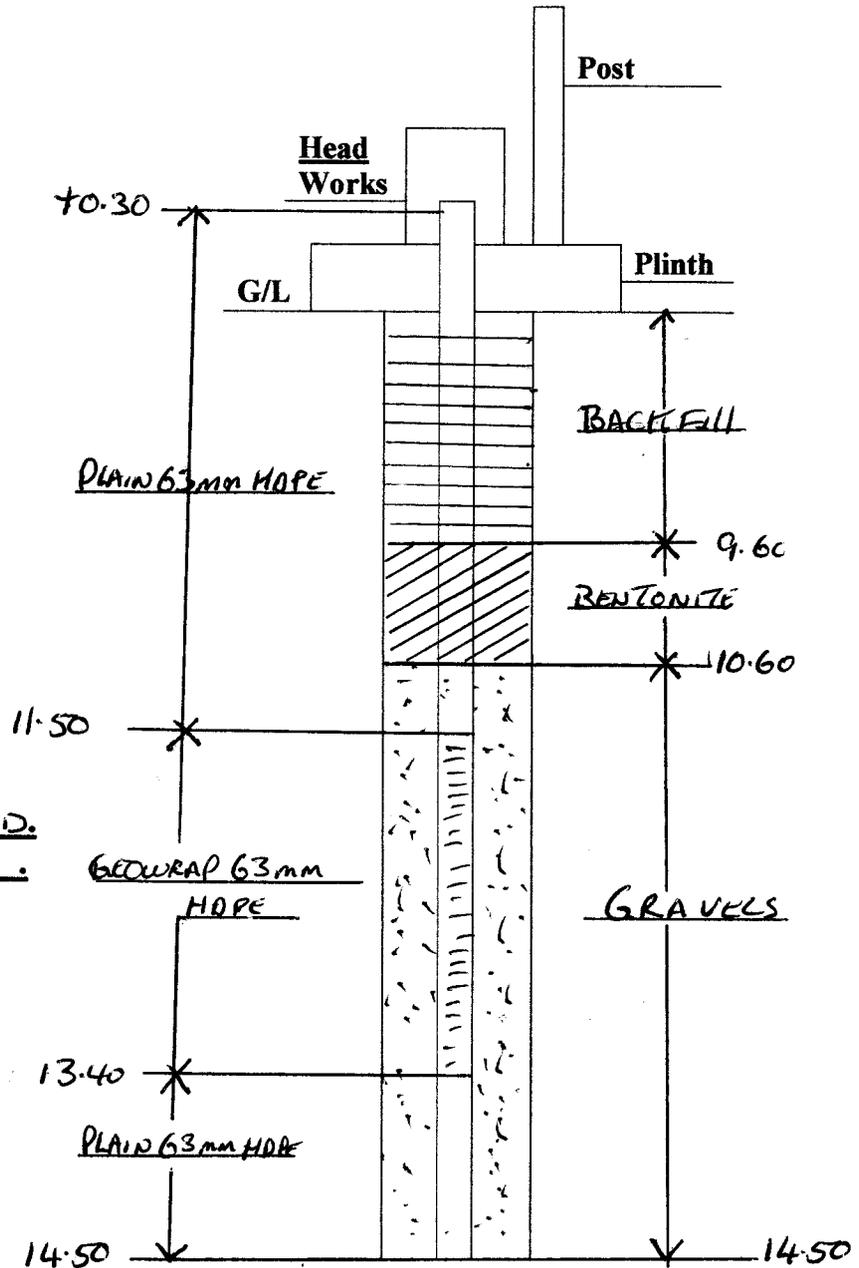
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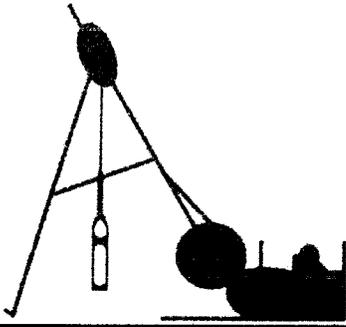
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Installation of B/H 18PZ D.
Site: BROOKSBY
Date: 8/1/19

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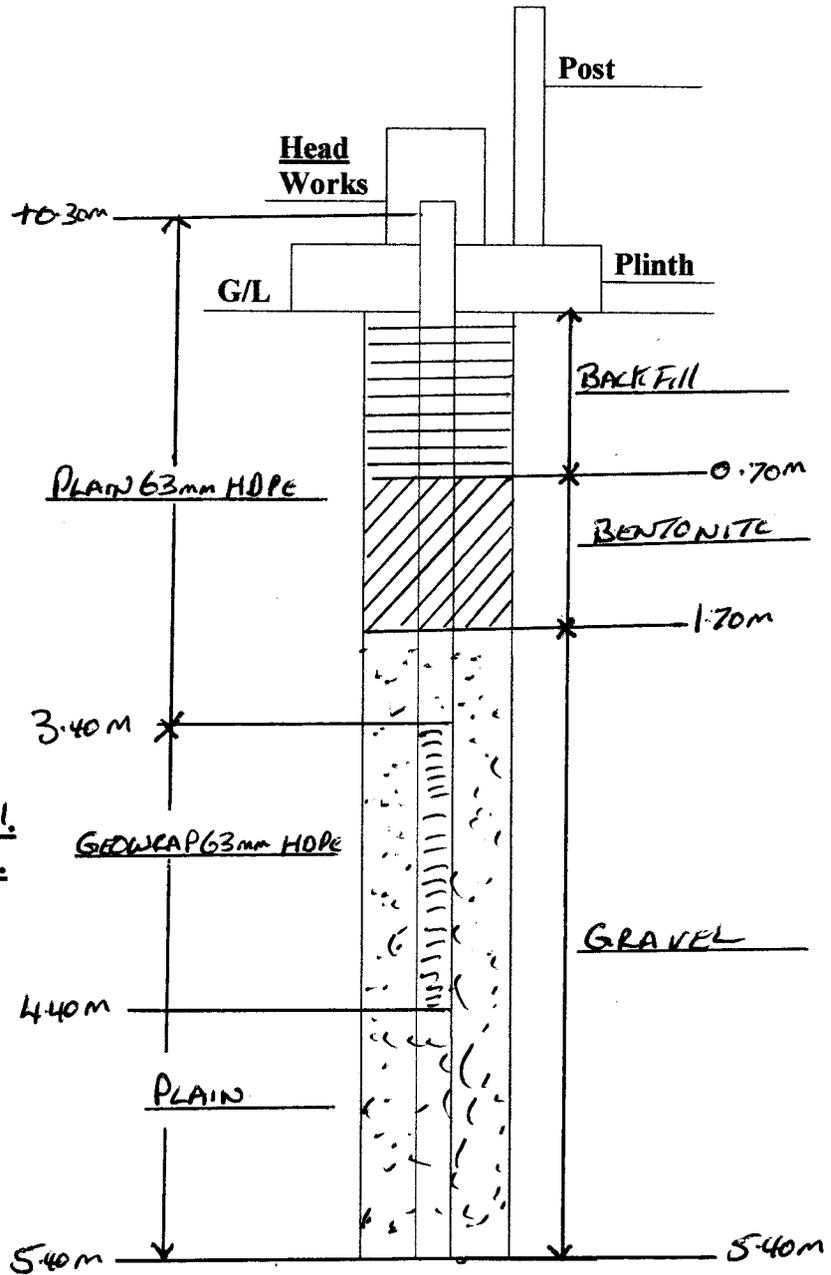
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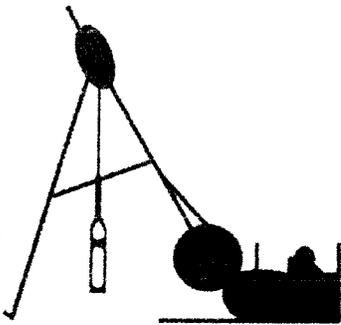
Installation of B/H 1872G1.
Site: Brooksby
Date: 28/1/19.

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Site Investigation
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Bored Wells

Proprietor: D.S.WATTS
Vat No :905016070

Depth	Strata Description	Penetration Testing and Samples									
		Type	From	To	75	150	225	300	375	450	Blows
6/16	GRASSED TOP SOIL										
0.30	ORANGE BROWN FIRM SILTY CLAY BECOMING GRAY WITH DEPTH.	B1	1100	11.50							
		B2	1250	1300							
6.00	BROWN FIRM CLAY BOUND SILT.										
7.90	GRAY FIRM SILTY CLAY										
10.40	FINE TO MEDIUM ORANGE BROWN SAND WITH FINE GRAVELS.	CLEARED SPOILS = 1/2 HR									
13.70	GRAY FIRM SILTY CLAY	COLLECTED INSULATION EQUIPMENT FROM PIT = 1HR.									
Drilled to 14.70.											

Remarks

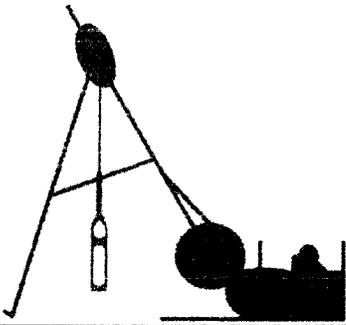
Driller

H2O	Strike 1	Strike 2	Strike 3
Depth			
Depth 5 mins			
Depth 10 mins			
Depth 15 mins			
Depth 20 mins			
Casing			

Water Levels		
Depth	Casing	Time
Morning		

Depth at end of day		
Diameter (mm)	Borehole	Casing
150	14.70	14.00

Hard Strata / Chiseling			
From (m)	To (m)	From (Hrs)	To (Hrs)
Total number of samples			
SPT's	Bulks	U100's	Disturbs
	2		
Move	Drill	Stand	D Work's
1	14.70		1 1/2
Back filling			
Trial Pit			
Site Brook's By			
Job No		B/H No 18 G. 2.	
Day MONDAY		Date 21/1/19.	



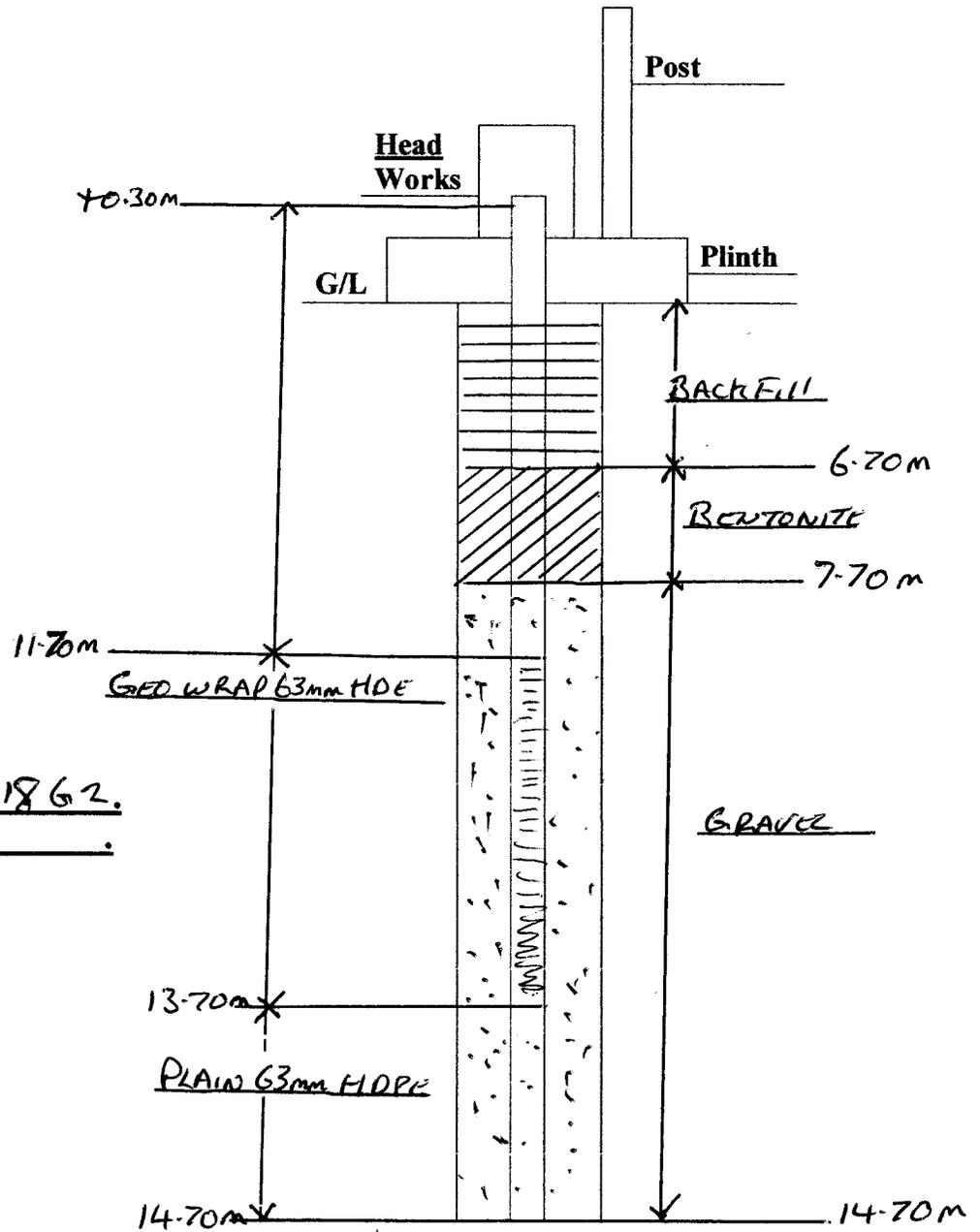
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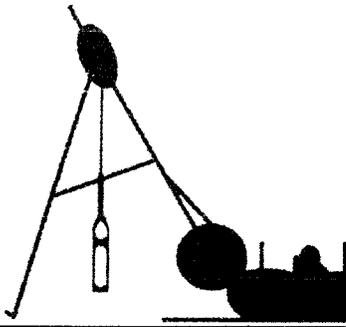
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Installation of B/H 1862.
Site: BROOKSBY
Date: 28/1/19..

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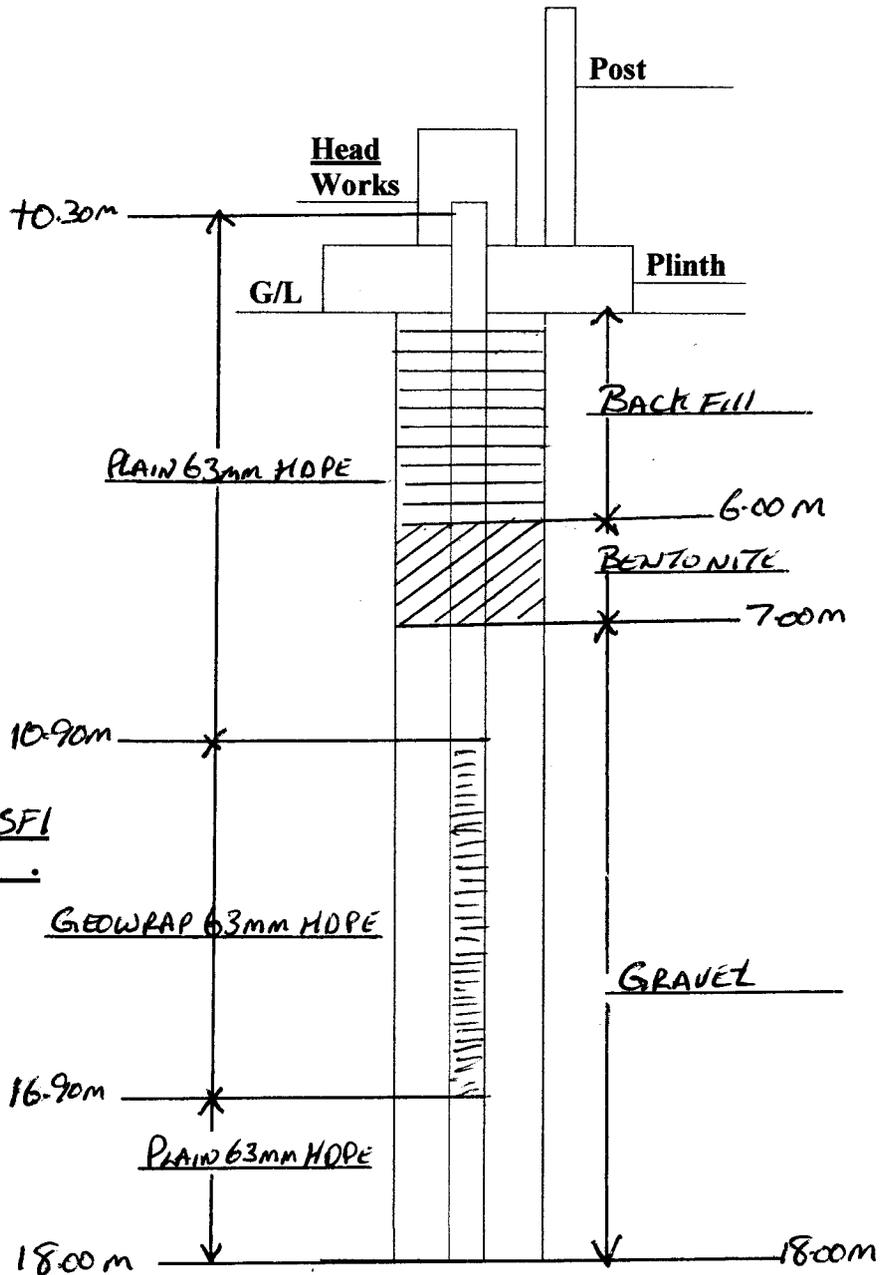
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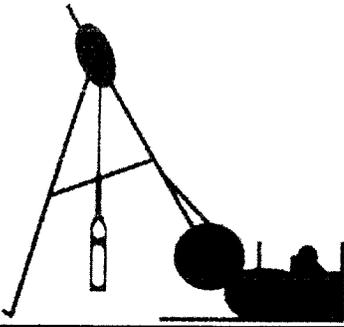
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Proprietor : D.S Watts
Vat No : 905016070



Installation of B/H18PZSF1
Site: BROOKSBY
Date: 11/1/19

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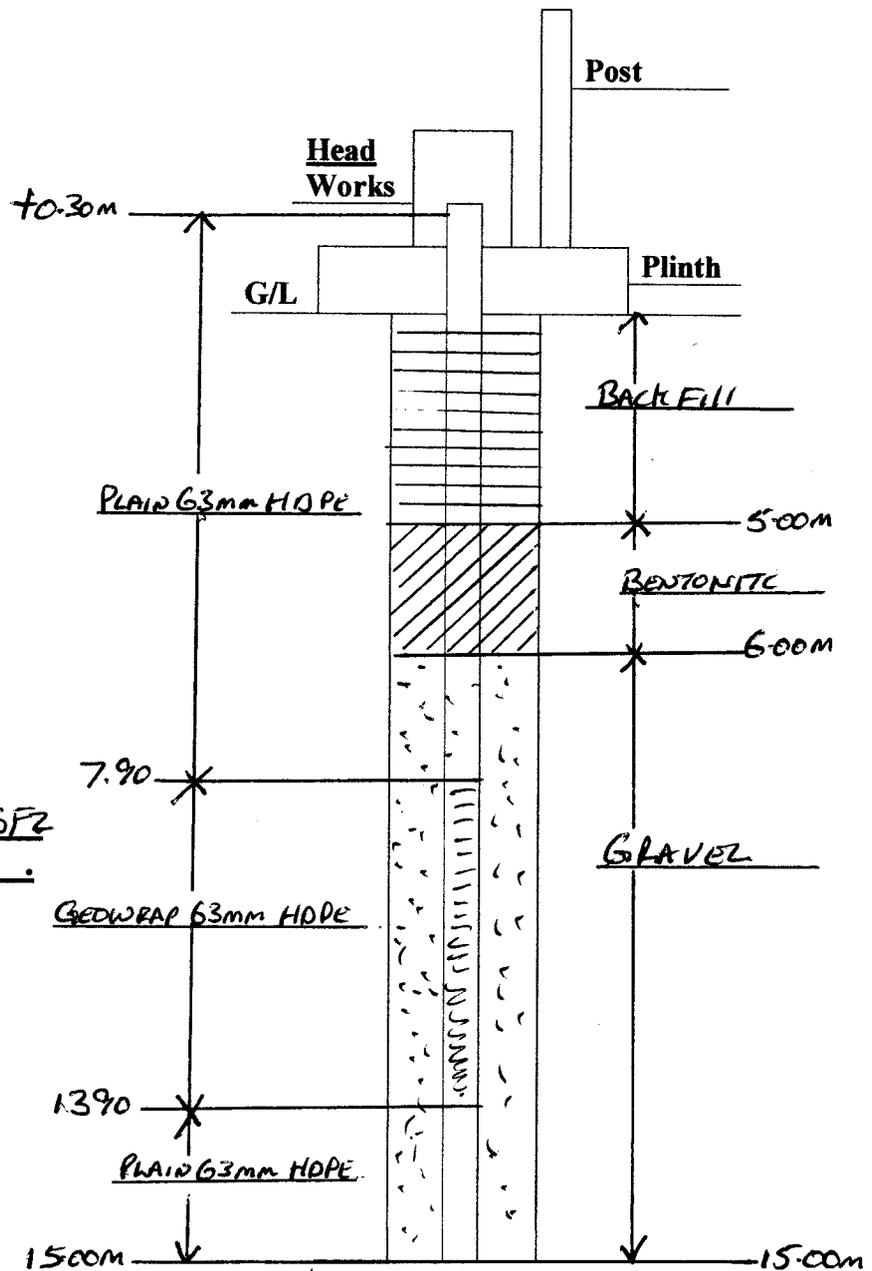
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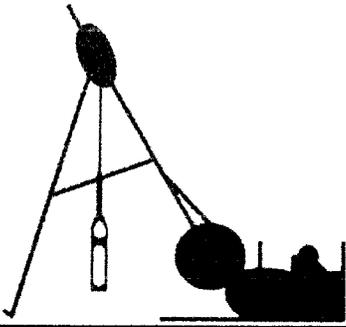
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Proprietor : D.S. Watts
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Installation of B/H/8PZSF2
Site: BROOKSBY
Date: 10/1/19

Not to Scale



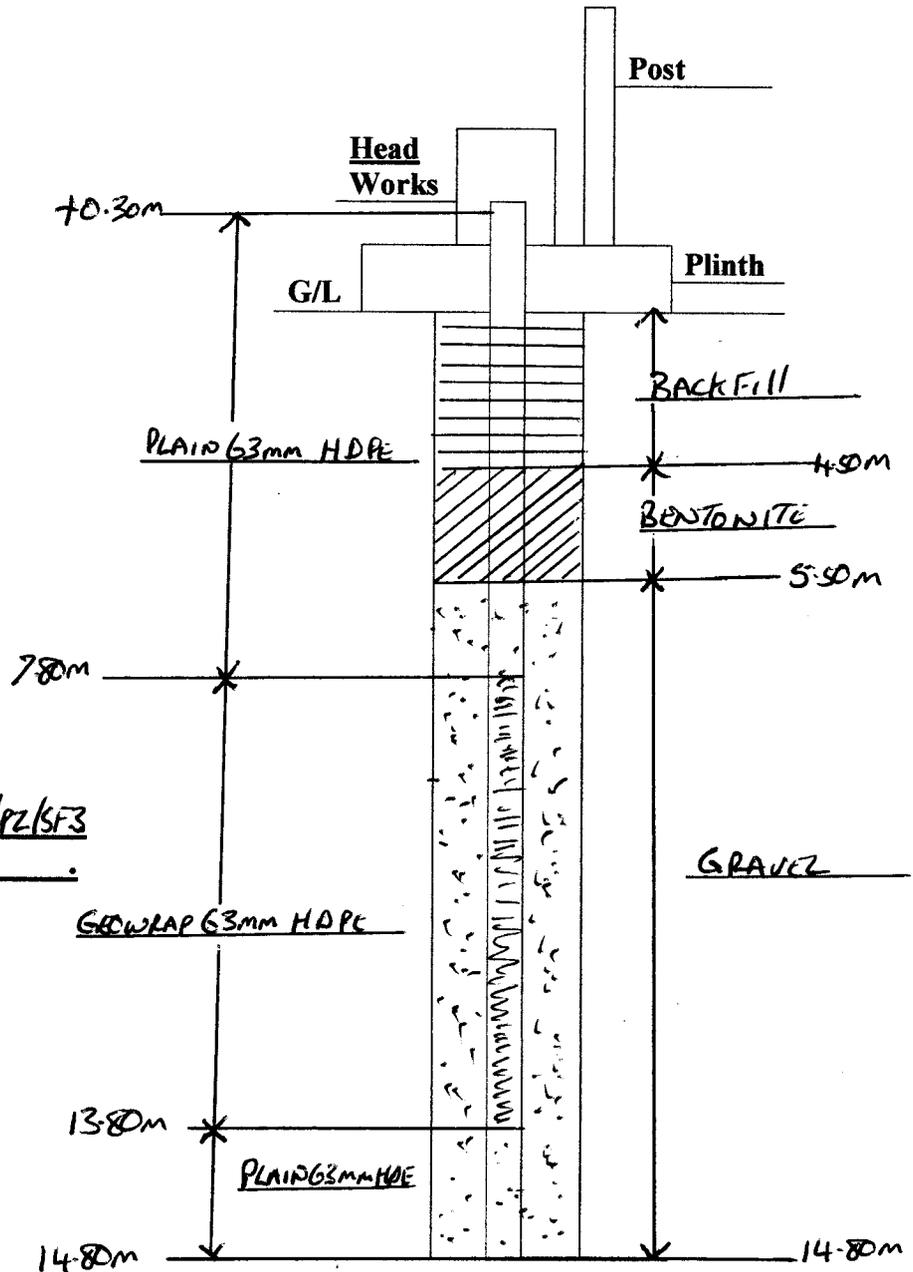
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direct.drilling@yahoo.co.uk
Tel / Fax : (01727) 823866
Mobile : (07831)239668

Proprietor : D.S. Watts
Vat No : 905016070



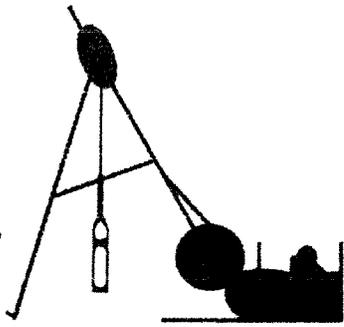
Installation of B/H/8/PZ/SF3
Site: BROOKSBY
Date: 30/1/19

Not to Scale

Direct Drilling LTD

N V Q Level 2

106 High Street
Colney Heath
Herts AL4 0NP
www.directdrillingltd.co.uk
direct.drilling@yahoo.co.uk
Mobile 07831239668
Tel: (01727) 823866



Site Investigation
Soakaways
Bored Wells

Proprietor: D.S.WATTS
Vat No :905016070

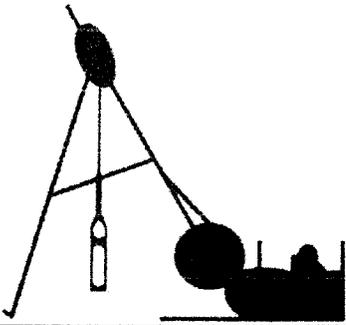
Depth	Strata Description	Penetration Testing and Samples																			
		Type	From	To	75	150	225	300	375	450	Blows										
6/1h	GRASSED TOP SOIL																				
0.30	ORANGE BROWN FIRM SILTY CLAY	B1	350	400																	
3.40	ORANGE BROWN FINE TO MEDIUM SAND	B2	500	550																	
		B3	650	700																	
10.20	FINE DENSE ORANGE BROWN SAND WITH FINE MEDIUM AND SCATTERED LARGE SUBANGULAR AND SEMI ROUNDED GRAVELS	B4	800	850																	
		B5	950	10.00																	
		B6	10.50	11.00																	
11.50	GRAY FIRM SILTY CLAY	BROKE OUT CONCRETE AROUND B1H 18 PZE TO GET READY TO CONCRETE ON NEW HEADWORKS AND AIR LEFT = 1HR																			
	Drilled to 12.50	MOVED RIG AND CASING = 1/2 HR FILLED BOWZER IN PIT = 1HR CLEARD SPOILS = 1/2 HR COLLECTED INSTALLATION EQUIPMENT FROM PIT = 1HR																			

Remarks

Driller

H2O	Strike 1	Strike 2	Strike 3
Depth			
Depth 5 mins			
Depth 10 mins			
Depth 15 mins			
Depth 20 mins			
Casing			
Water Levels			
Depth	Casing	Time	
Morning			
Depth at end of day			
Diameter (mm)	Borehole	Casing	
150	12.50	12.00	

Hard Strata / Chiseling			
From (m)	To (m)	From (Hrs)	To (Hrs)
Total number of samples			
SPT's	Bulks	U100's	Disturbs
	6		
Move	Drill	Stand	D Work's
1	12.50		4
Back filling	Trial Pit		
Site	Brooksby		
Job No	B/H No 18 PZSF4		
Day	WEDNESDAY		
	Date 16/1/19		



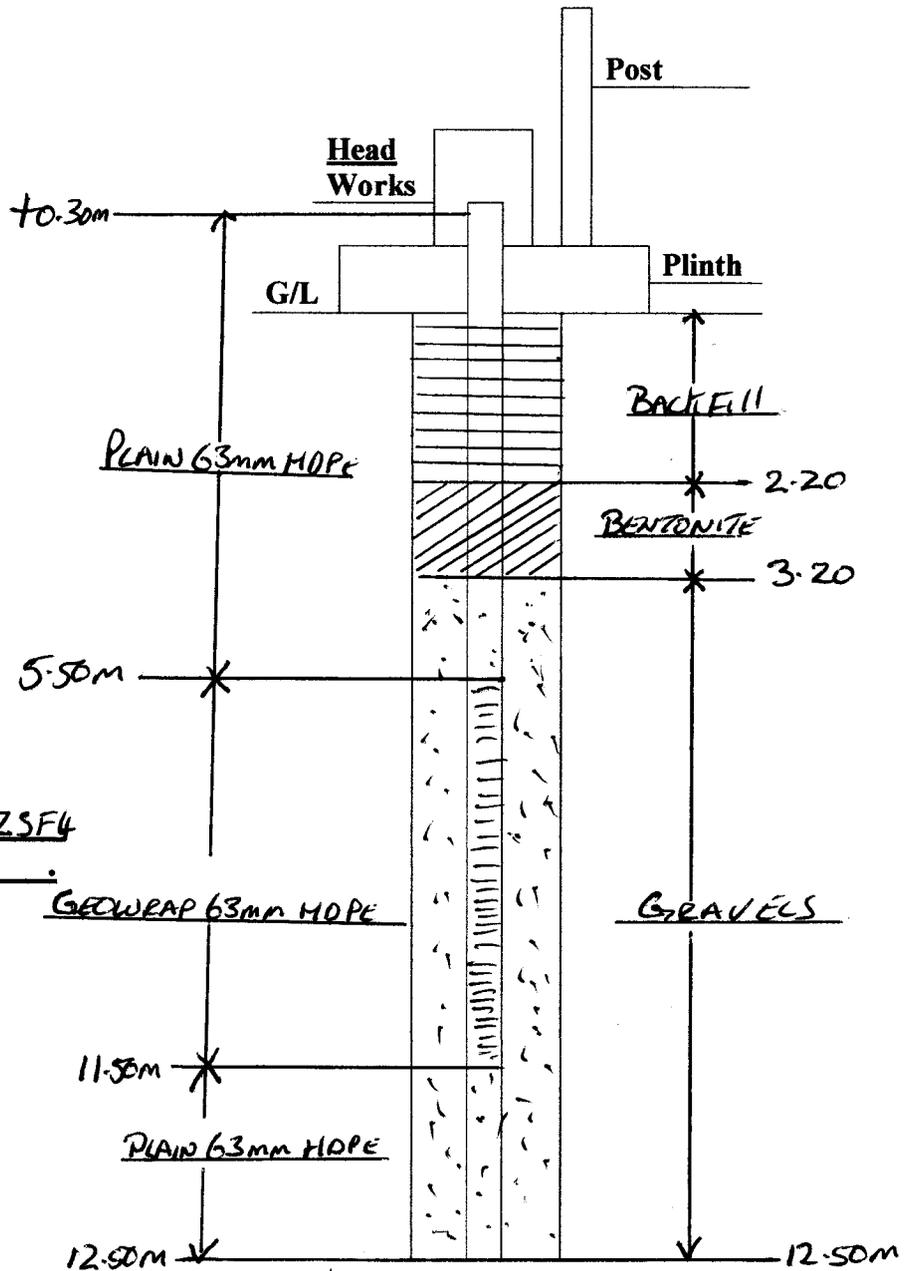
Direct Drilling LTD

NVQ Accredited

SITE INVESTIGATION
SOAKAWAYS
BORED WELLS

106 High Street
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Tel / Fax : (01727) 823866
Mobile : (07831)239668

Proprietor : D.S Watts
Vat No : 905016070



Installation of B/H18PZSF4

Site: BROOKSBY

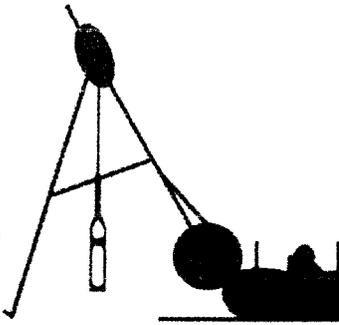
Date: 16/1/19

Not to Scale

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Tel: (01727) 823866



Site Investigation
Soakaways
Bored Wells

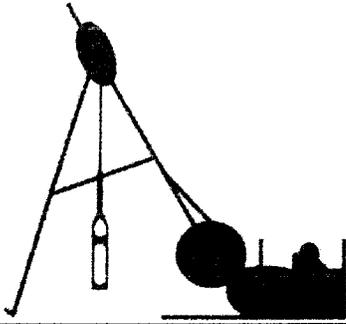
Proprietor: D.S.WATTS
Vat No :905016070

Depth	Strata Description	Penetration Testing and Samples																		
		Type	From	To	75	150	225	300	375	450	Blows									
61k	TOP SOIL																			
0.30	ORANGE BROWN SILTY CLAY	B1	550	600																
1.80	SOFT TO FIRM SILTY SANDY CLAY (DAMP)	B2	700	750																
		B3	830	900																
3.80	SILT STONE BAND (CHISILLING)	B4	10.00	10.50																
4.40	FIRM GRAY SILTY CLAY	B5	11.50	1200																
5.30	ORANGE BROWN FINE TO MEDIUM SAND.	WATER SAMPLE																		
		D1	0.50																	
8.70	ORANGE BROWN FINE TO MEDIUM SAND WITH FINE TO MEDIUM SUB ANGULAR AND SEMI-ROUNDED GRAVELS	D2	1.50																	
12.90	GRAY STIFF SILTY CLAY	HAND DUG TRIAL PIT = 1HR.																		
	Drilled to 14m	BROKE CUTTING SHOE ON READING LENGTH TRYING TO GET THROUGH SILT STONE BAND, HAD TO PULL CASING AND TAKE BACK TO YARD TO REPAIR; ALSO SPLIT TYRE ON TRUCK TRYING TO GET RIG ON POSITION. ONE DAYS DAY WORKS TO FIX CASING AND HAVE TYRE CHANGED. CLEARED SPOILS = 1/2 HR																		
		COLLECTED INSTALLATION EQUIPMENT FROM PIT = 1HR																		

Remarks: MOVED RIG CASING AND BOWZER AND SET UP ON SLOP = 3/4 HR Driller: *DS*

H2O	Strike 1	Strike 2	Strike 3
Depth			
Depth 5 mins			
Depth 10 mins			
Depth 15 mins			
Depth 20 mins			
Casing			
Water Levels			
Depth	Casing	Time	
Morning			
Depth at end of day			
Diameter (mm)	Borehole	Casing	
150	14.00	13.50	

Hard Strata / Chiseling					
From (m)	To (m)	From (Hrs)	To (Hrs)		
3.80	4.40		2 HRS		
Total number of samples					
SPT's	Bulks	U100's	Disturbs	H2O	
	5		2	1	
Move	Drill	Stand	D Work's	Back filling	Trial Pit
1	1400		10AY2/4		1
Site: BROOKSBY					
Job No			B/H No 18 PZ SFS		
Day: FRIDAY MONDAY TUESDAY			Date: 11/1/19		



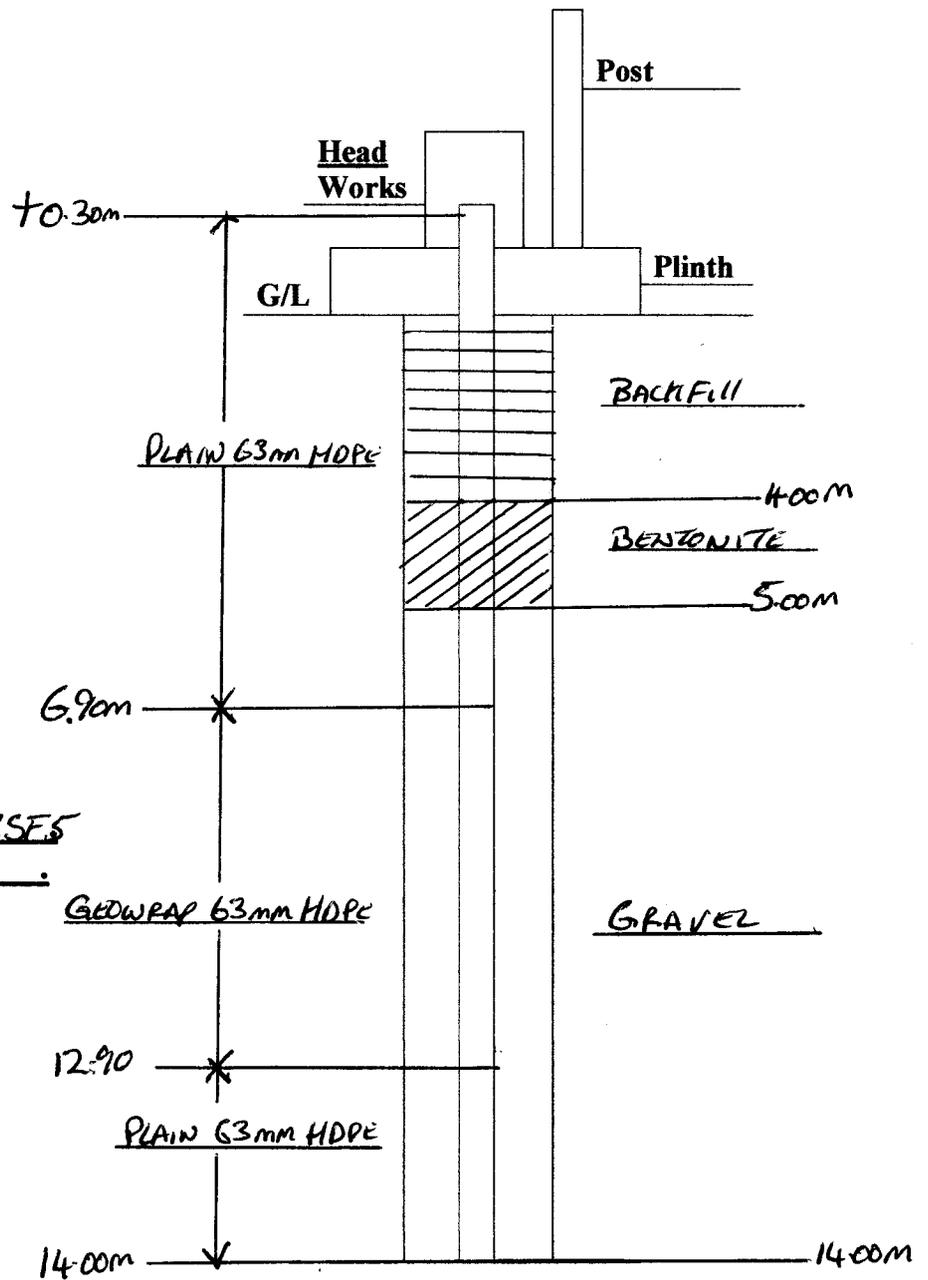
Direct Drilling LTD

NVQ Accredited

SITE INVESTIGATION
SOAKAWAYS
BORED WELLS

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Mobile : (07831)239668

Proprietor : D.S.Watts
Vat No : 905016070



Installation of B/H18 PZSES
Site: BROOKSBY
Date: 15/1/19

Not to Scale



Legend

- Extent of Tarmac Interest
- ⊕ 2018 Borehole Locations



Site Name:
Brooksby

Drawing Name:
Proposed 2018 Borehole & Piezometer Location Plan

Drawn By:
G Burdell

Scale @ A3:
1:7,500

Date:
31/08/2018

Drawing No:
B355.00067



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

APPENDIX ESSD G

**ABSTRACTION, DISCHARGE AND POLLUTION INCIDENTS DATA PROVIDED BY THE
ENVIRONMENT AGENCY AND CHARNWOOD BOROUGH**

List of groundwater and surface water abstraction licences within 2km of the site

Fig ESD 5 Ref	Type	Source of information	Licence No.	Max Annual Quantity (m ³)	X	Y	Location (NGR)	Point/Address	Description	Source
1	Licensed groundwater	Environment Agency	MD/028/0055/001		675,000	467400	315095	SK6740015095	mineral washing and concrete production	GW Soar - Secondary Combined (GB40402G9990600) - L15T River Gravels - Lower Trent Area - Underground strata (sands and gravels) at Brooksby Quarry
2	Licensed surface water	Environment Agency	03/28/55/0092		31,822	467385	313750	SK68181279	General Agriculture - Spray Irrigation - Storage - filling of a storage reservoir for subsequent direct spray irrigation	Inland water (Gaddeby brook) at Gaddeby, Leicestershire
3a	Licensed surface water	Environment Agency	03/28/55/0076 i		20,457	465250	315750	SK652157	General Agriculture - Spray Irrigation - Direct	SW - (River Wreake and i) Reasby Brook
3b	Licensed surface water	Environment Agency	03/28/55/0076 ii		464750		314650	SK647148		
4	Licensed surface water	Environment Agency	03/28/55/0087		45,460	465755	313235	SK65751323	General Agriculture - Spray Irrigation - Storage - filling of a storage reservoir for subsequent direct spray irrigation	Inland water (Gaddeby brook) at Reasby
5	Deregulated groundwater	Environment Agency	03/28/55/0071		465900		315000	SK659150		Well
6	Deregulated groundwater	Environment Agency	03/28/55/0086		465000		314600	SK65061460	General Farming & Domestic	Well
7	Deregulated groundwater	Environment Agency	03/28/55/0034		464800		314400	SK648144	General Farming & Domestic	Well
8	Unlicensed groundwater	Environment Agency			468200		315500	SK6820015500	Agriculture	Borehole
9	Private groundwater supply	Charnwood Borough Council			466247		314861	SK6624714861	Domestic	Borehole
10	Private groundwater supply	Charnwood Borough Council			465836		314892	SK6583614892	Domestic	Borehole
								1870 MELTON ROAD - WELL		
								MANOR FARM - WELL A		
								REARSBY HOUSE FARM - WELL		
								Gaddeby Lane		
								1883 Melton Road, Reasby		
								1870 Melton Road, Reasby		

List of consented discharges within 2km of the site provided by the Environment Agency

No	FID	Shape	AG APL NUM	AG VERSION	AG PR	PERM	AG ISSUED	AG EFFECTV	AG REVOCED	AG COMMENT	DS SNAME	DS LNAME	DS ADD1	DS ADD2	DS ADD3	DS ADD4	DS PCODE	DS NGR	EASTING	NORTHING	DS TYPE	REGION
1	15204	Point ZM	T/55/46030/T	1			07/12/2004	01/06/2005	<Null>		BROOKSBY QU.	BROOKSBY QUARRY	MELTON ROAD	REARSBY	LEICESTER	LEICESTERSHIRE	SK6672014900	466720	314900	Mineral/Gravel Extraction/Quarrying	MI	
2	15177	Point ZM	EPRJP9627GP	1			30/06/2011	01/09/2011	<Null>		ANIMAL CARE	ANIMAL CARE TEACHING BLOCK	HIVES FARM	MELTON ROAD	REARSBY	LEICESTER	LE7 4YS	SK6624415316	466244	315316	Education/Nursery/School/College/Uni/Training Venue	MI
3	15207	Point ZM	WQ/72/1086	1			24/03/1977	24/03/1977	<Null>	REFER TO PUBLIC REGISTER DOCUMENT	TOPFIELD FM	TOPFIELD FARM	CADDESBY	MELTON ROAD	REARSBY	LEICESTERSHIRE	SK6700013650	467000	313650	Domestic property (single) (incl farm house)	MI	
4	15178	Point ZM	T/55/40252/S	1			25/09/1995	25/09/1995	<Null>	Was T5540252S SEASONAL SOAKAWAY TO LAND	THRUSSINGTON	THRUSSINGTON LODGE	THRUSSINGTON ROAD			LEICESTERSHIRE	LE14 3EB	SK6567016350	465670	316350	Undefined or Other	MI
5	15206	Point ZM	T/55/02608/O	1			23/09/1969	23/09/1969	<Null>	RENUMBERED FROM T2608	4 MELTON PS	MELTON MOWBRAY PS - STORMEMERG OF	HOBYS PS - WARTNABY PS			LEICESTERSHIRE	SK6680016800	466800	316800	Pumping Station on Sewerage Network (water company)	MI	
6	15179	Point ZM	T/55/40151/O	2			04/12/2018	04/12/2018	<Null>	PR14 EDM2 VARIATION	THRUSSINGTON	THRUSSINGTON SEWAGE PUMPING STATION	REARSBY ROAD			LEICESTERSHIRE	LE7 4TE	SK6498615746	464986	315746	Storm Tank/CSO on Sewerage Network (water company)	MI
7	15180	Point ZM	T/55/40129/O	2	T/55/21459/O		21/11/2018	21/11/2018	<Null>	PR14 EDM2 VARIATION	REARSBY	REARSBY PUMPING STATION	MILL ROAD			LEICESTERSHIRE	LE7 4YB	SK6485614562	464856	314562	Storm Tank/CSO on Sewerage Network (water company)	MI



**WATER RESOURCES ACT 1991
(AS AMENDED BY THE ENVIRONMENT ACT 1995)
SECTION 88 - SCHEDULE 10
CONSENT TO DISCHARGE**

TO: Lafarge Aggregates Limited
The Old Rectory
Misterton
Lutterworth
Leicestershire

The **ENVIRONMENT AGENCY** ("The Agency") in pursuance of its powers under the Water Resources Act 1991 **HEREBY CONSENTS** to the making of a discharge of **TRADE EFFLUENT**, as follows:

Pumped void water from sand and gravel excavations having received an element of settlement

FROM: Brooksby Quarry
AT: Melton Road, Rearsby, Leicester
TO: The Rearsby Brook
SUBJECT TO the conditions set out in the following schedule: Pumped void water from sand and gravel excavations having received an element of settlement
Schedule No. T/55/46030/T 01

Subject to the provisions of Schedule 10 of the Water Resources Act 1991, no notice shall be served by the Agency, altering this consent without the agreement in writing of the consent holder, during a period of four years from the date this consent takes effect or such later date as may be specified in an endorsement to this document.

This consent is issued and takes effect on the Seventh day of December 2004

Signed ASRue
Team Leader Regulatory Water Quality

The Environment Agency, Lower Trent Area,
Trentside Offices, Scarrington Road, West Bridgford, Nottingham NG2 5FA

CONSENT NO.	T/55/46030/T
SCHEDULE NO.	T/55/46030/T 01
DATE ISSUED	07 DEC 2004

CONDITIONS OF CONSENT TO DISCHARGE

TRADE EFFLUENT ("the Discharge")

FROM: BROOKSBY QUARRY, MELTON ROAD, REARSBY, LEICESTER.

MINIMISE EFFECT

- 1 (a) The Discharge shall not contain any poisonous, noxious, or polluting matter or solid waste matter.
- (b) Provided that the Discharge hereby consented is made in accordance with the following conditions of this consent, such discharge shall not be taken to be in breach of paragraph (a) above by reason of containing substances or having properties identified in and controlled by these conditions.

OCCURANCE

- 2 The Discharge shall only occur when the flow in the Reasby Brook is less than three quarters bank full, as measured by a gauging board installed by the Consent Holder at the point of discharge, and when the watercourse is within its banks downstream between National Grid References locations SK 656 146 and SK 648 148.

NATURE

- 3 The Discharge shall consist solely of pumped void water from sand and gravel excavations having received an element of settlement.

LOCATION

- 4 The Discharge shall be made in the manner and at the place specified as:-
 - (a) discharging to the Rearsby Brook
 - (b) between National Grid References SK 6672 1490 and SK 6797 1570
 - (c) shown marked 'A' and 'B' respectively, on attached Drawing No. T/55/46030/T/D.

SAMPLE POINT

- 5 (a) The outlet to controlled waters shall be constructed and maintained so that a representative sample of the Discharge may be obtained.
- (b) The Consent Holder shall provide safe access to the sample point at all times.

VOLUME, RATE & FLOW

- 6 The volume of the Discharge shall not exceed 9,200 cubic metres per day.
- 7 The rate of discharge shall not exceed 106 litres per second.

FLOW MEASUREMENT

- 8 At the request of the Agency, the consent holder shall install, operate and maintain a means of flow measuring to a specification and at a location required by the Agency, to enable the daily volume and instantaneous flow of the discharge to be recorded. The consent holder shall calibrate, operate and maintain the flow monitoring and recording system to a standard agreed or specified by the Agency. The flow and maintenance records shall be provided to the Agency as and when requested.

COMPOSITION

- 9 The composition of the Discharge shall be such that:
- (a) suspended solids, dried at 105 degrees Celsius, shall not exceed 50 milligrams per litre.
 - (b) there shall be no visible oil or grease in the receiving watercourse as a result of the discharge.

NON-INJURIOUS TO FISH

- 10 As far as is reasonably practicable, the Discharge shall not contain any matter, other than matter specifically covered by numerical conditions in this consent, to such an extent as to cause the receiving waters, or any waters of which the receiving waters are a tributary, to be poisonous or injurious to fish in those waters, or to the spawning grounds, spawn or food of fish in those waters, or otherwise cause damage to the ecology of those waters or to have any other adverse environmental impact.

WORKS' OPERATION

- 11 (a) The works shall be operated and the effluent shall be treated in a manner which, so far as reasonably practicable, minimises the polluting effects of the Discharge made from the works on controlled waters.
- (b) This condition does not require:-
- (i) any higher standard to be achieved in relation to any characteristic of the discharge which is specifically regulated by condition 9 of this consent schedule than is required by those conditions;
 - (ii) any alteration of the works or a change in the type of treatment used.

SCHEDULE NO.	T/55/46030/T 01
--------------	-----------------

SPECIAL CONDITION(S)

12 The Discharge shall be made in such a manner so as not to cause any scouring of the banks or bed of the receiving watercourse.

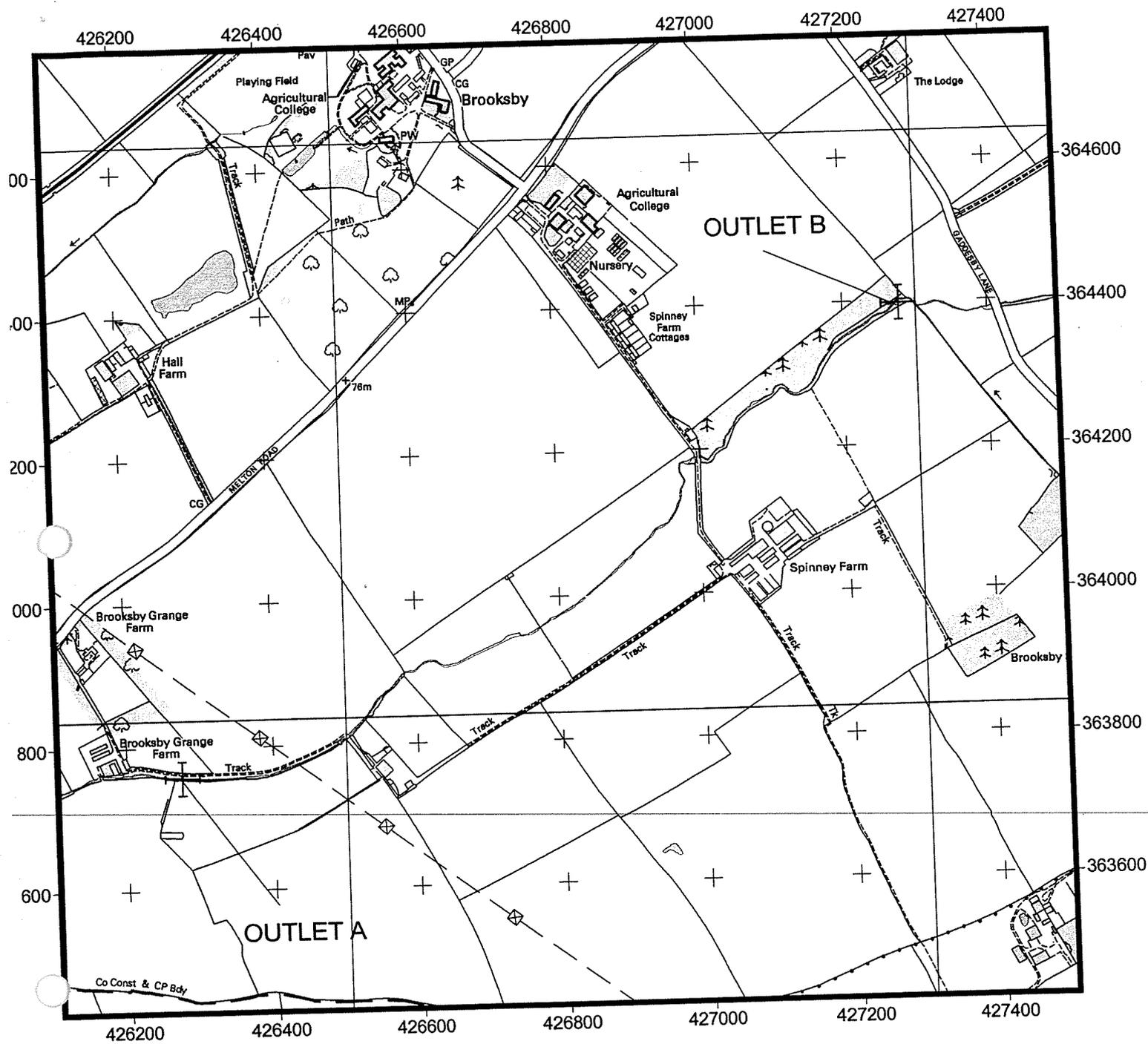
START DATE

13 There shall be no discharge under the terms of this consent until the **01 June 2005 or some other date as modified in writing by the Agency prior to that date** or the end of commissioning of the works whichever is the sooner. The consent holder shall give the Agency at least 28 days written notice before making the Discharge.

Dated this *Seventh* day of *December* 2004.

ASRue

Team Leader Regulatory Water Quality



This is the Drawing No. T/55/46030/R/D
referred to in Consent No. T/55/46030/R

dated this *seventh* day of *December* 2004

Scale 1: 2500



**ENVIRONMENT
AGENCY**

Trentside Offices, Scarrington Road
West Bridgford, Nottingham, NG2 5FA

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ASR

Notice of variation with introductory note

The Environmental Permitting (England & Wales) Regulations 2010

Tarmac Aggregates Limited

Brooksby Quarry
Melton Road
Rearsby
Leicester
Leicestershire

Variation application number

T/55/46030/T/V002

Permit number

T/55/46030/T

Brooksby Quarry

Permit number T/55/46030/T

Introductory note

This introductory note does not form a part of the notice.

The following notice gives notice of the variation of an environmental permit.

As a result of notification of change of company name where the company number has not changed.

The status log of a permit sets out the permitting history, including any changes to the permit reference number. It is not backdated before 6 April 2010.

Status log of the permit		
Description	Date	Comments
Variation determined T/55/46030/T	05/11/2013	Varied permit issued.
Application T/55/46030/T/V002	Duly made 22/10/2015	Variation to change the company name to Tarmac Aggregates Limited.
Variation determined T/55/46030/T		Varied permit issued.

End of introductory note

Variation application number

T/55/46030/T/V002

Notice of variation

The Environmental Permitting (England and Wales) Regulations 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies

Permit number

T/55/46030/T

Issued to

Tarmac Aggregates Limited (“the operator”)

whose registered office is

**Portland House
Bickenhill Lane
Solihull
Birmingham
B37 7BQ**

company registration number **297905**

to operate a regulated facility at

**Brooksby Quarry
Melton Road
Rearsby
Leicester
Leicestershire**

as follows to change the company name to Tarmac Aggregates Limited from Lafarge Aggregates Limited.

This notice shall take effect from 24/11/2015.

Name	Date
Danny Wagstaff	25 November 2015

Authorised on behalf of the Environment Agency

Variation application number

T/55/46030/T/V002

APPENDIX ESSD H
WATER MONITORING DATABASE

APPENDIX ESSD I
HYDROGRAPHS AND GROUNDWATER QUALITY GRAPHS

Figure I1 - Groundwater levels recorded in the Quaternary superficial deposits at the WM boreholes at and in the vicinity of Brooksby Quarry between December 1998 and April 2023

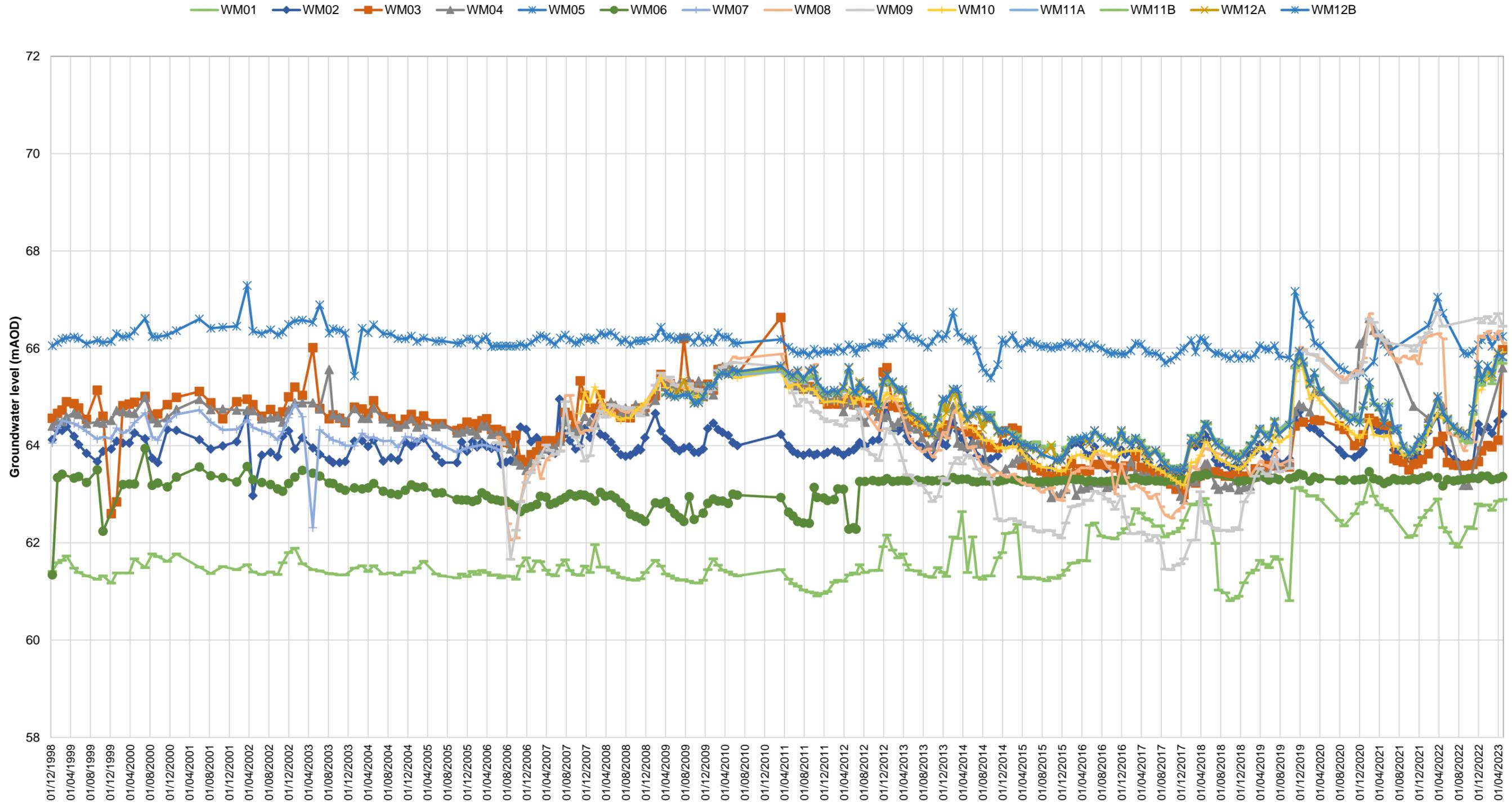


Figure I2A - Groundwater levels recorded in the Quaternary superficial deposits at the monitoring boreholes located at and in the vicinity of the easternmost part of Brooksby Quarry complex between January 2007 and April 2023

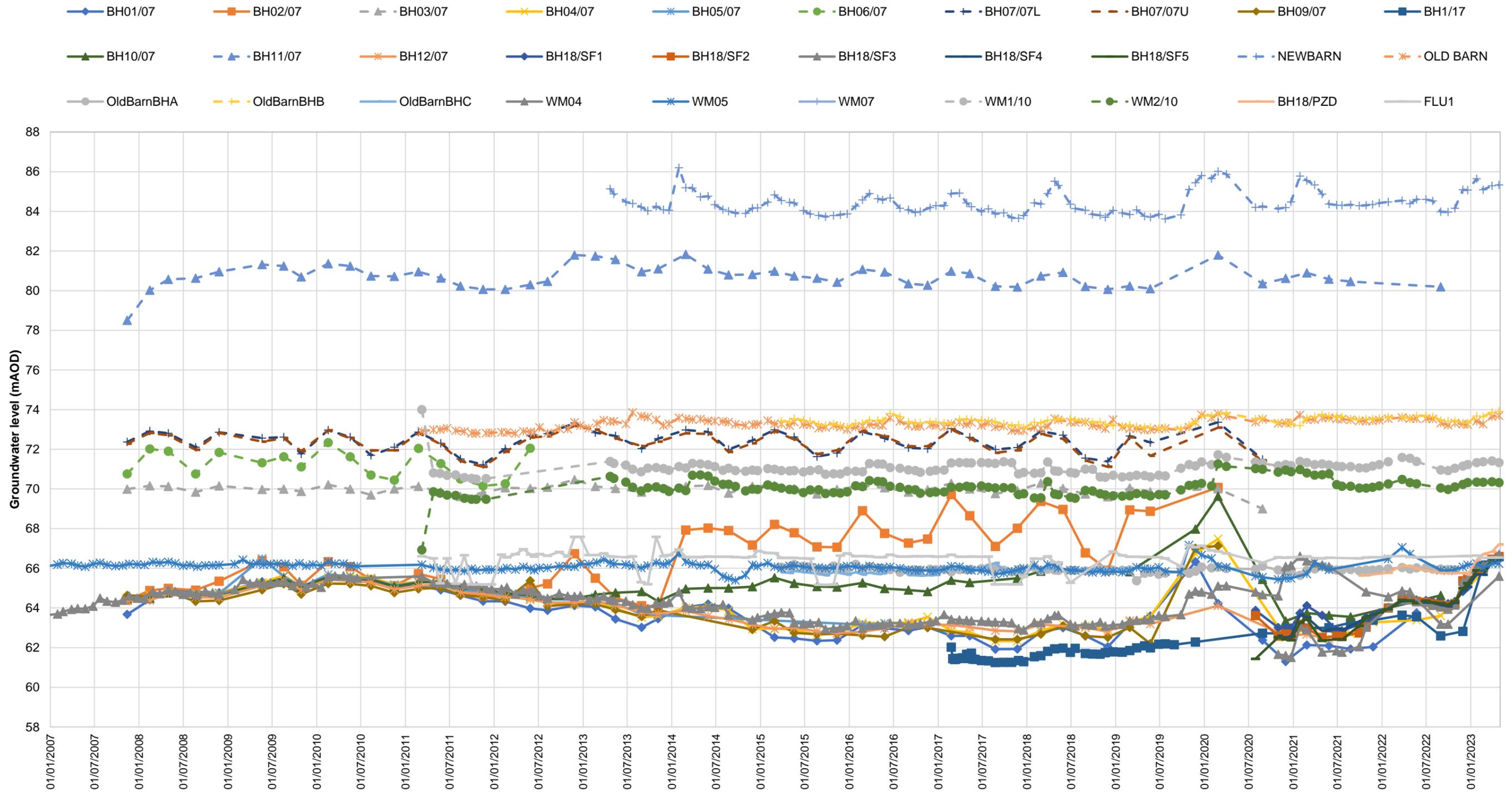


Figure I2B - Groundwater levels recorded in the Quaternary Bytham Sand and Gravel Formation at the monitoring boreholes located at and in the vicinity of the easternmost part of Brooksby Quarry complex between January 2007 and April 2023

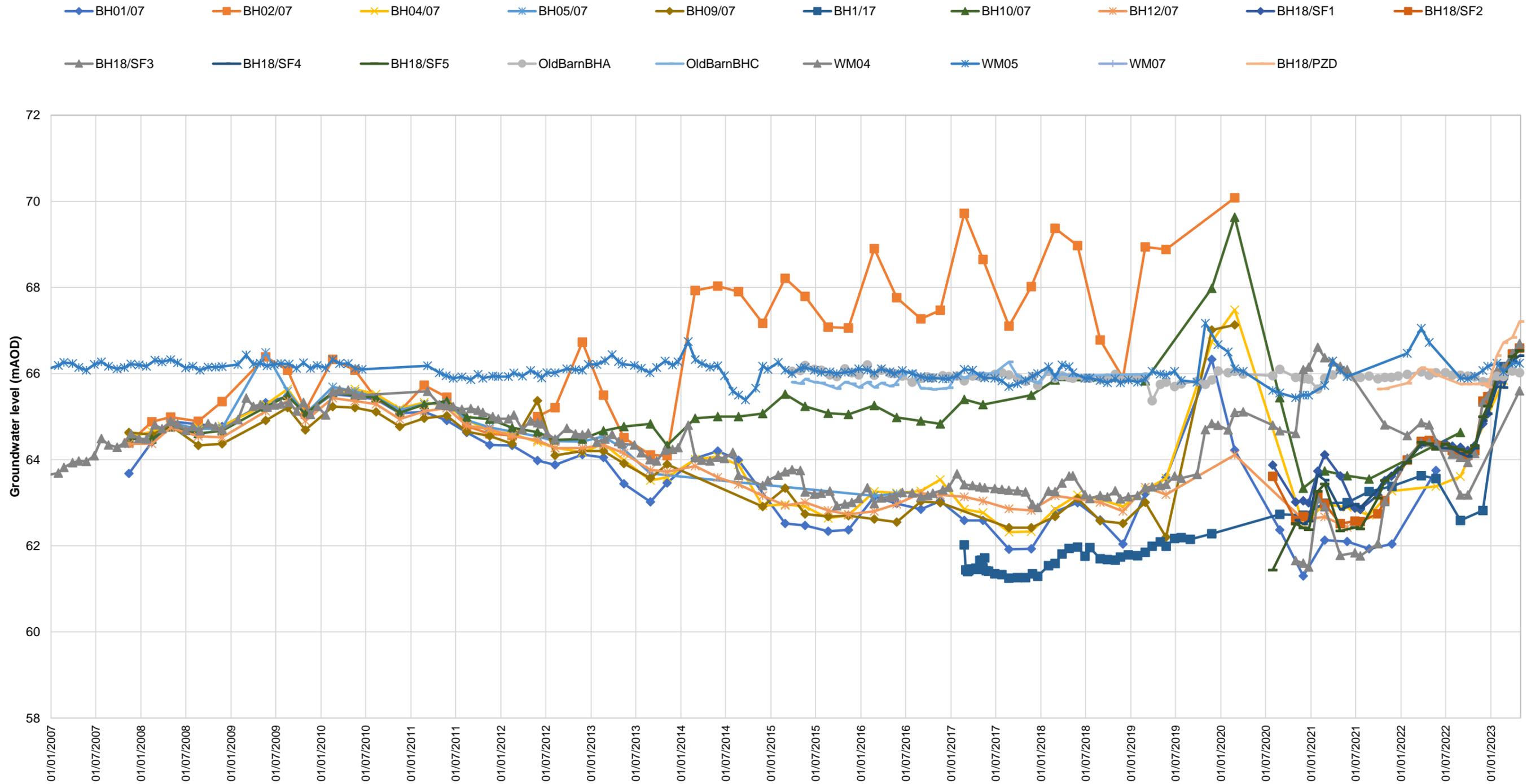


Figure I3 - Groundwater levels recorded in the Quaternary superficial deposits at the monitoring boreholes at and in the vicinity of the central area of Brooksby Quarry complex between January 2007 and April 2023

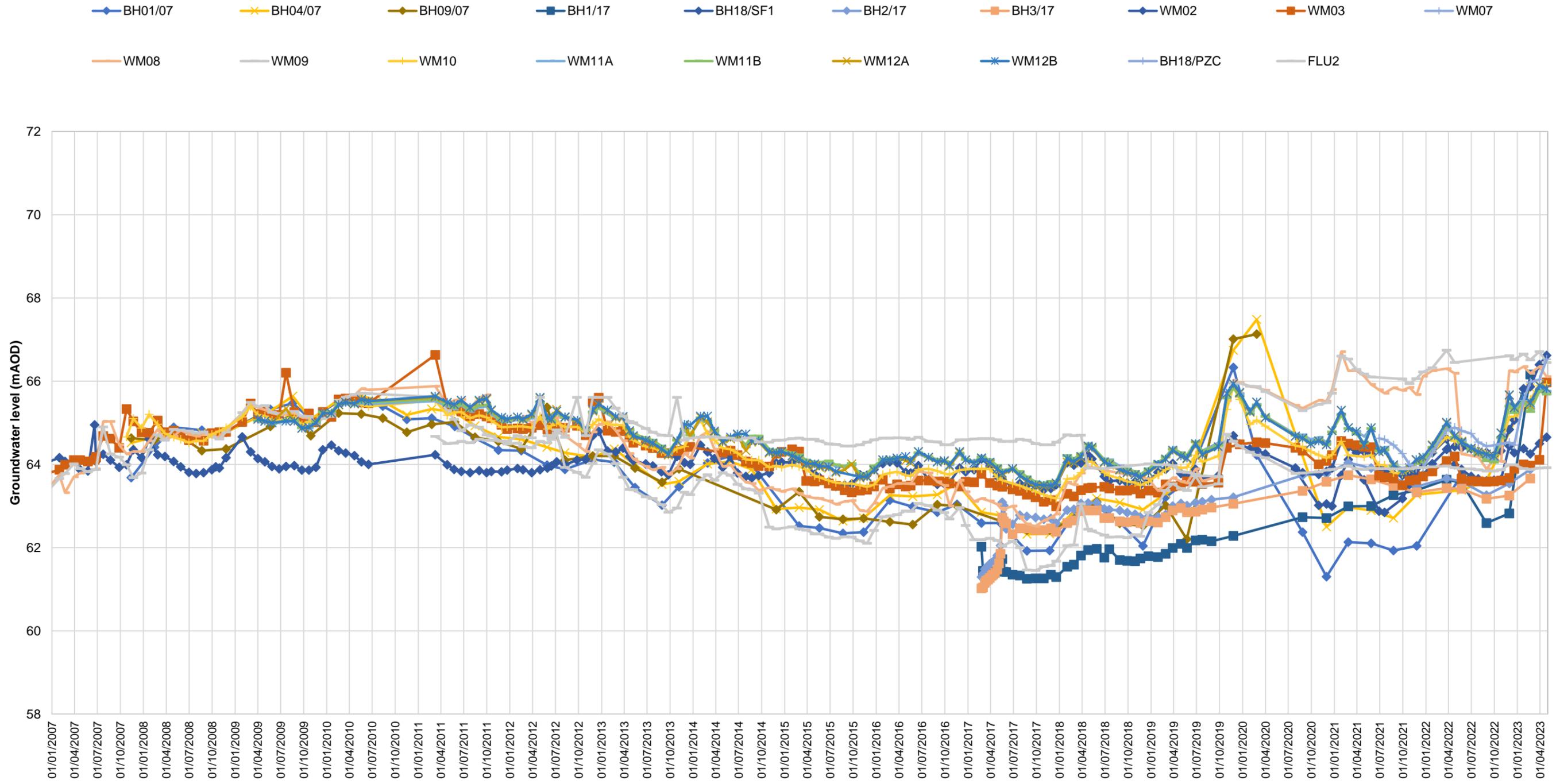
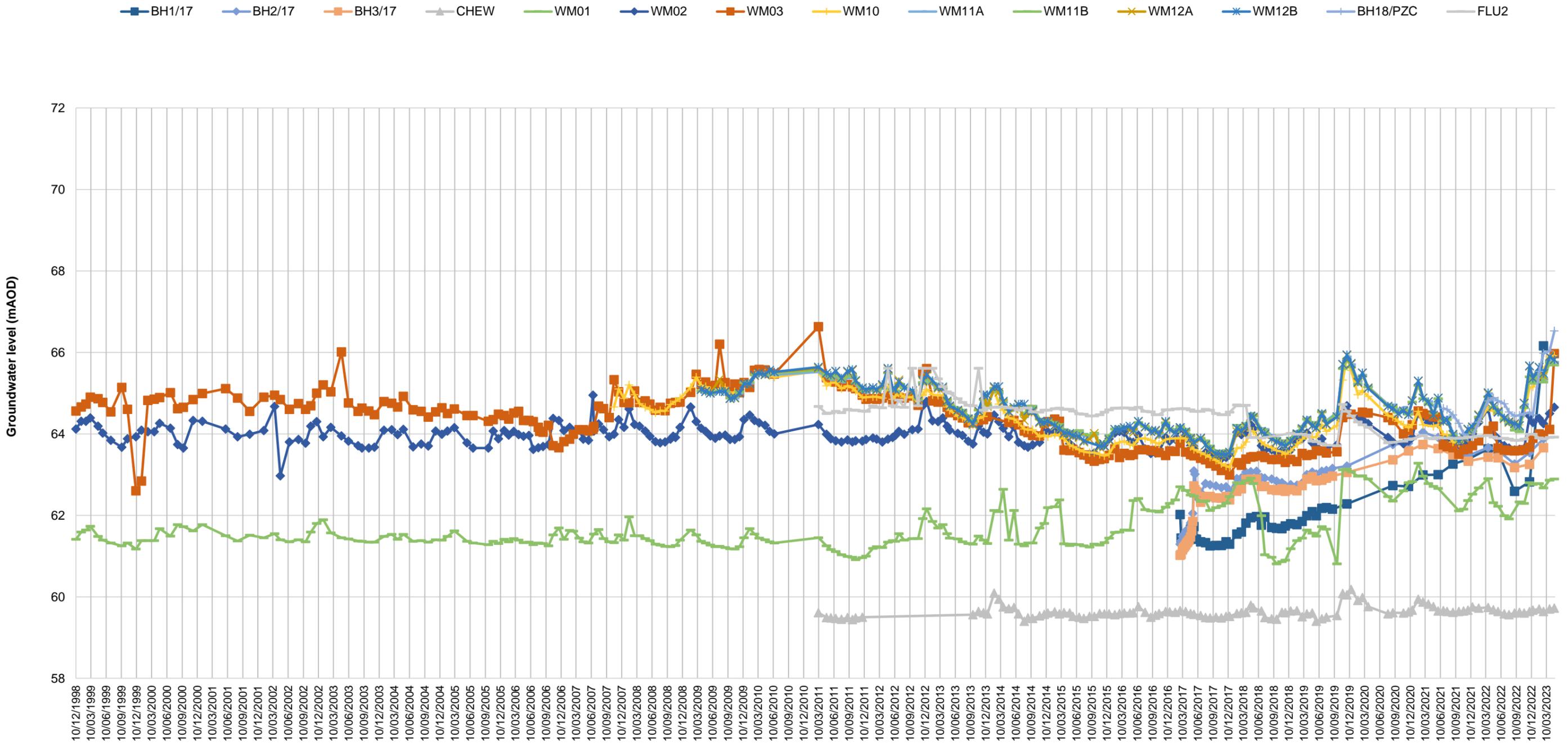
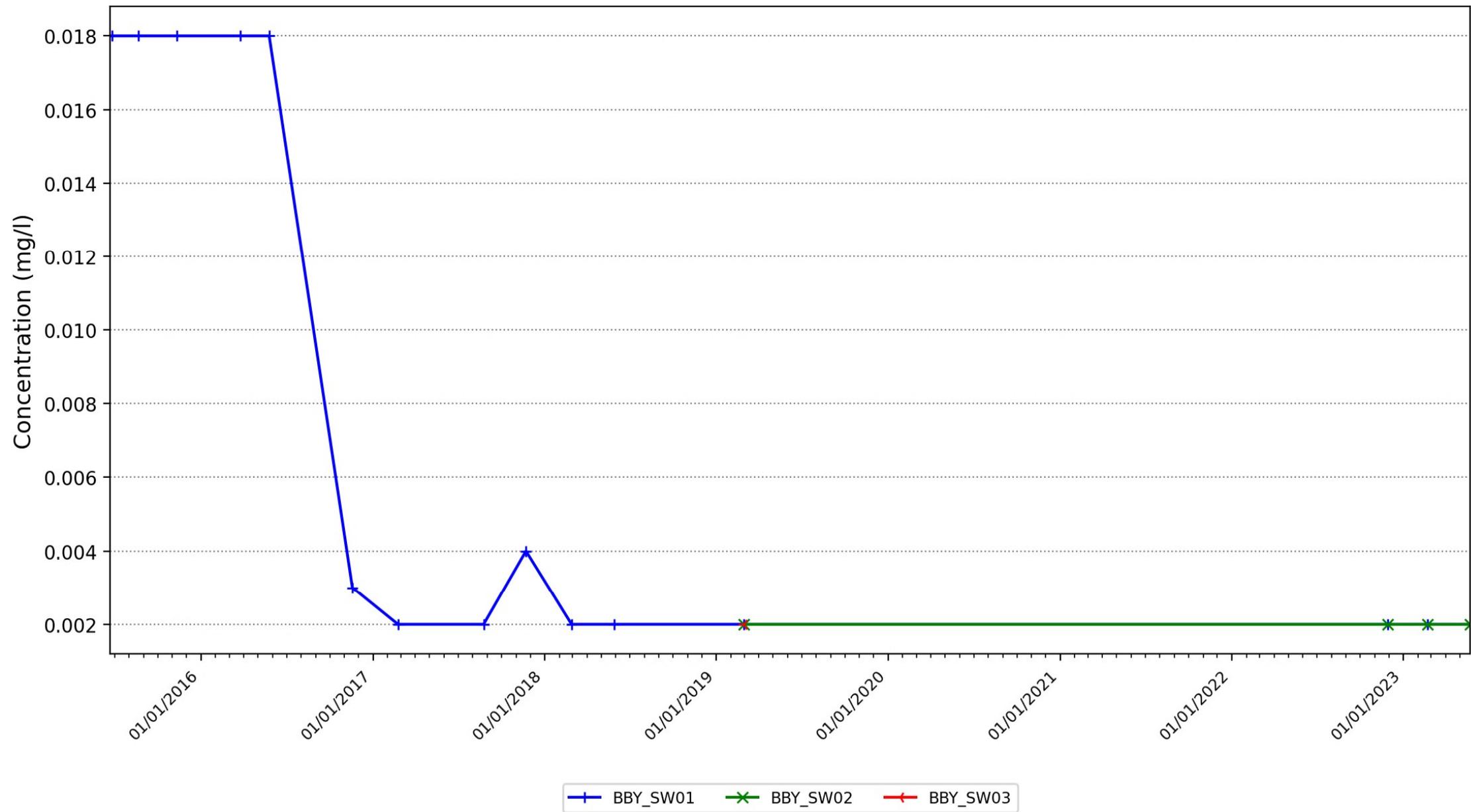


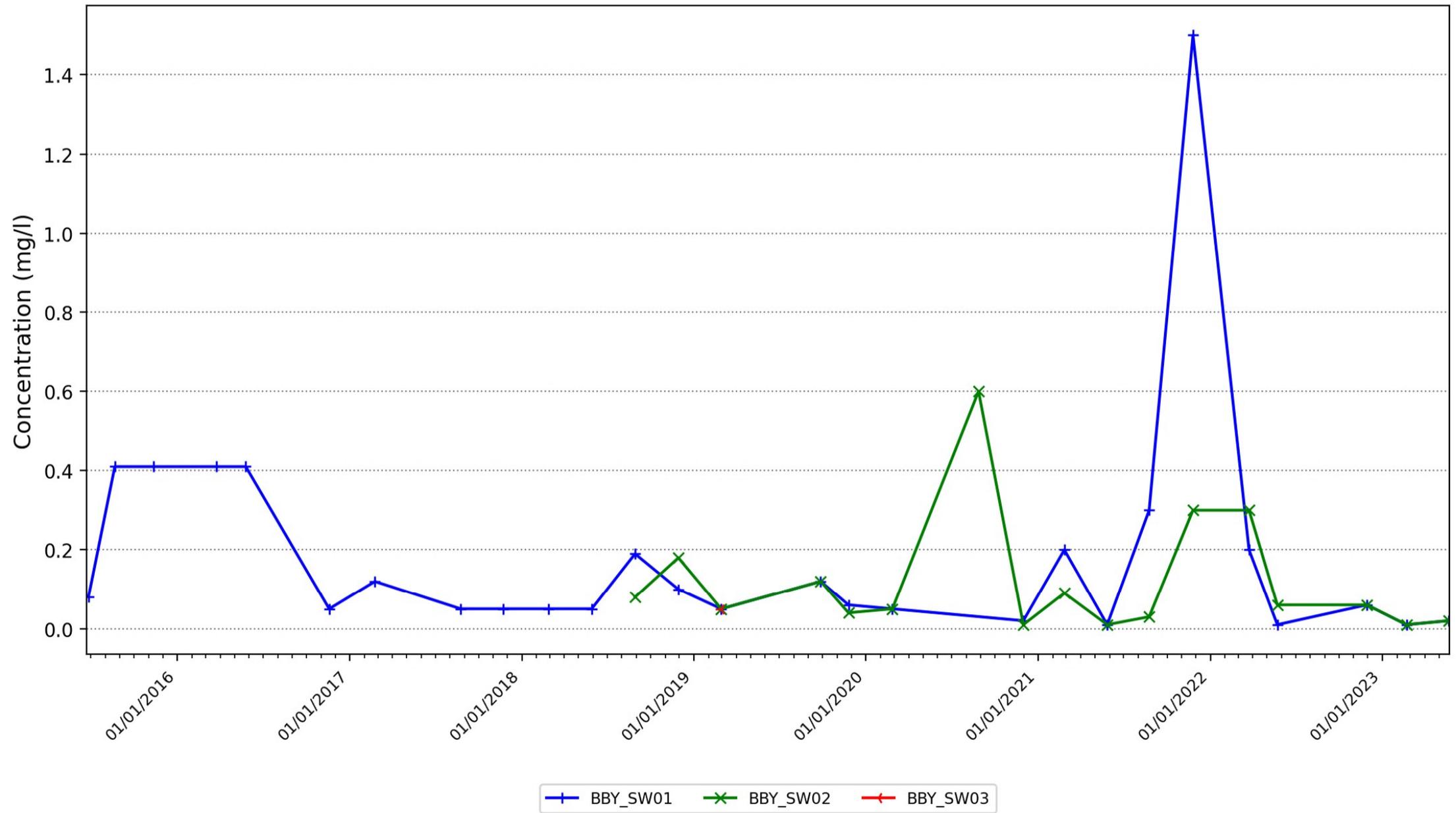
Figure I4 - Groundwater levels recorded in the Quaternary superficial deposits at the monitoring boreholes at and in the vicinity of the south western area of Brooksby Quarry complex and Phases 12 to 13c between December 1998 and April 2023



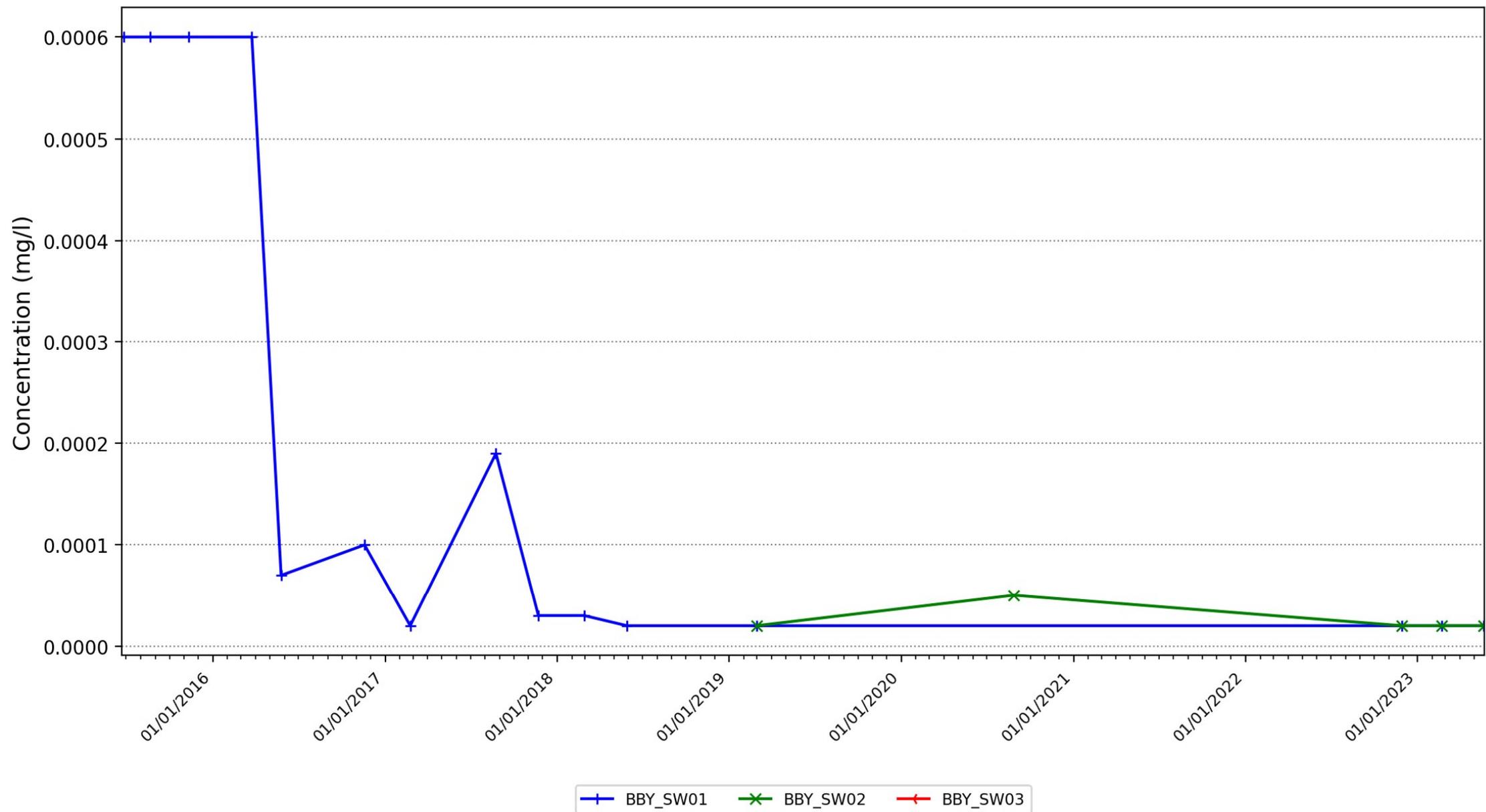
Graph showing the variation in zinc concentrations at surface water monitoring locations in the vicinity of Brooksby Quarry



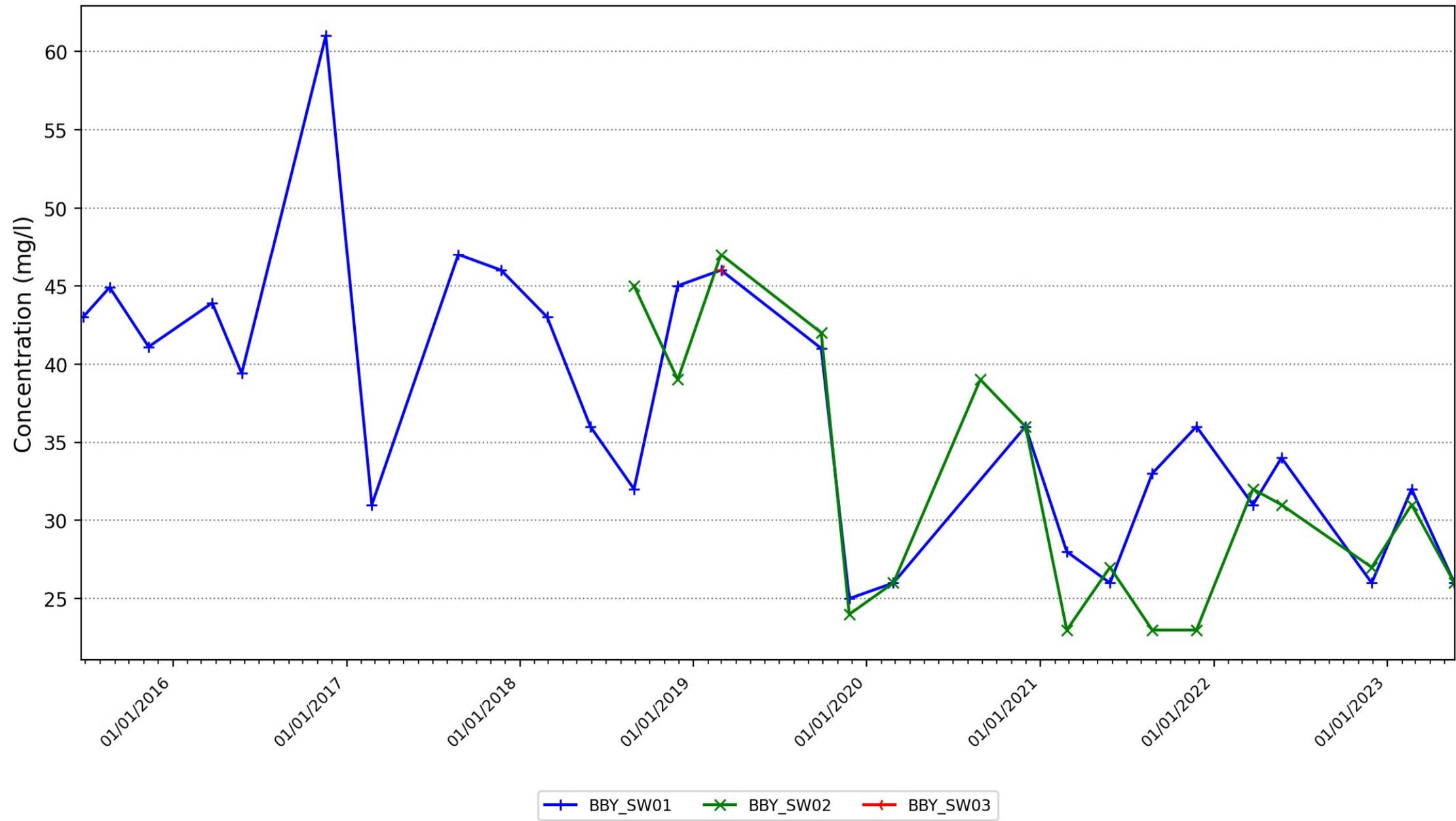
Graph showing the variation in ammoniacal nitrogen concentrations at surface water monitoring locations in the vicinity of Brooksby Quarry



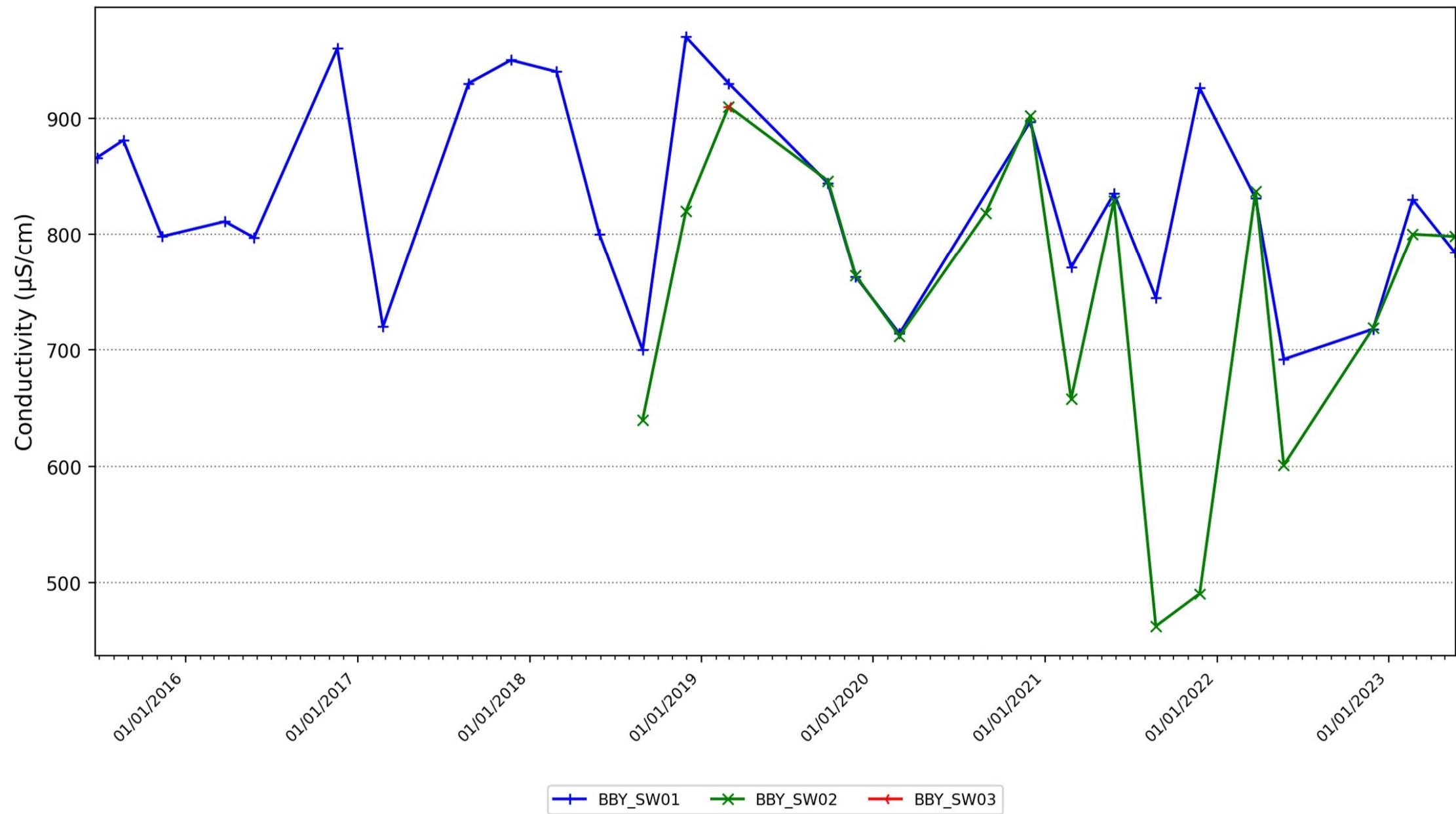
Graph showing the variation in cadmium concentrations at surface water monitoring locations in the vicinity of Brooksby Quarry



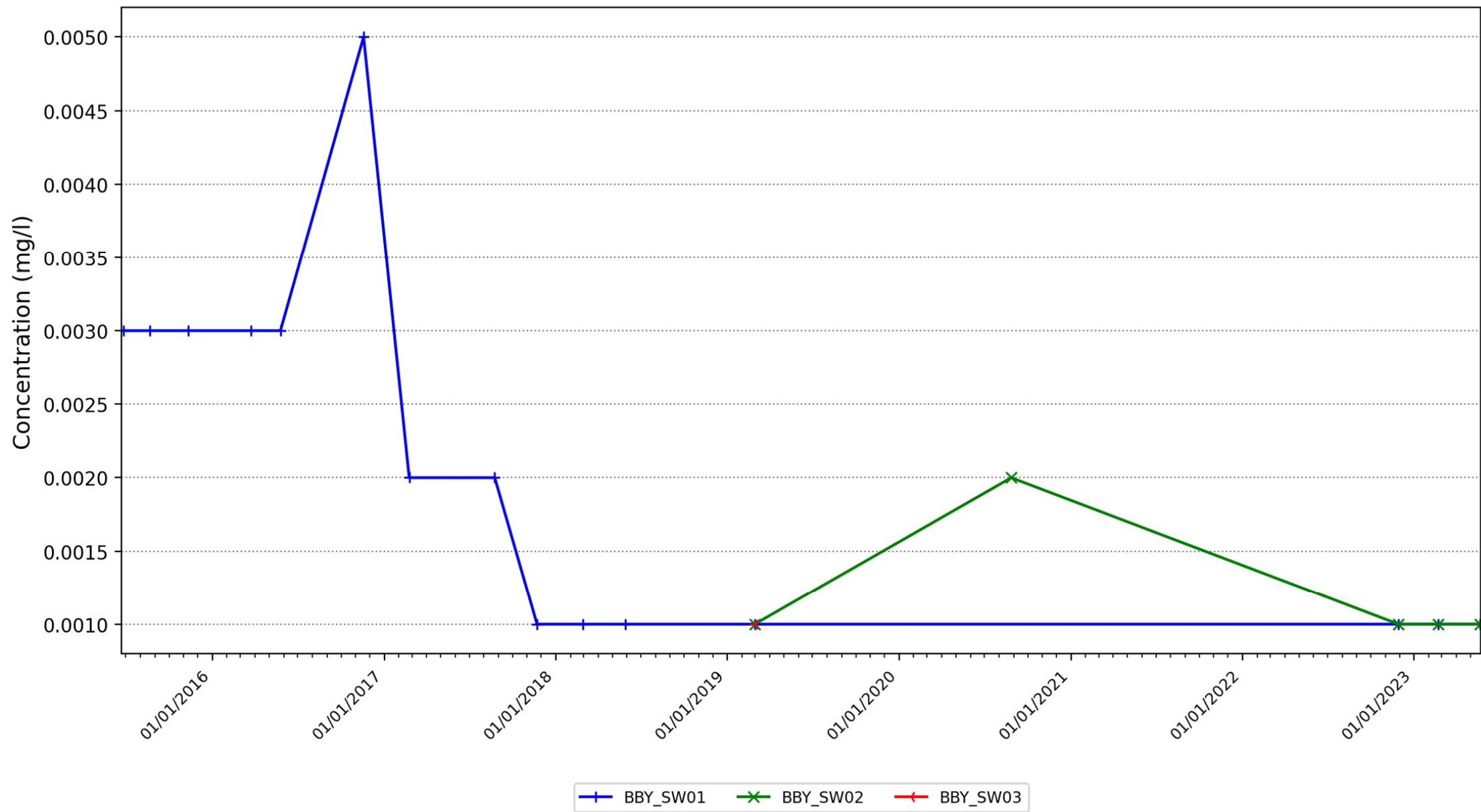
Graph showing the variation in chloride concentrations at surface water monitoring locations in the vicinity of Brooksby Quarry



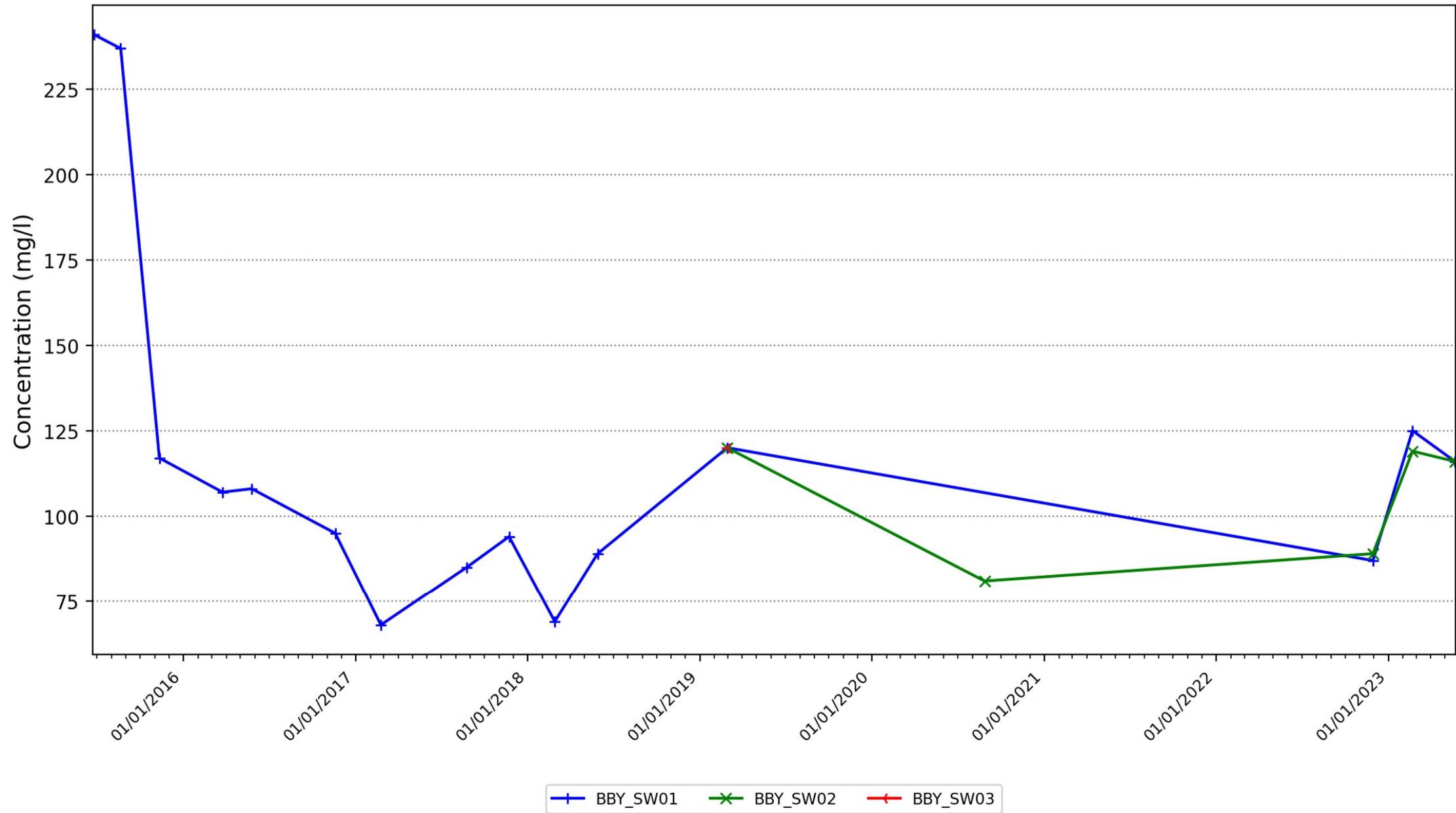
Graph showing the variation in electrical conductivity at surface water monitoring locations in the vicinity of Brooksby Quarry



Graph showing the variation in nickel concentrations at surface water monitoring locations in the vicinity of Brooksby Quarry

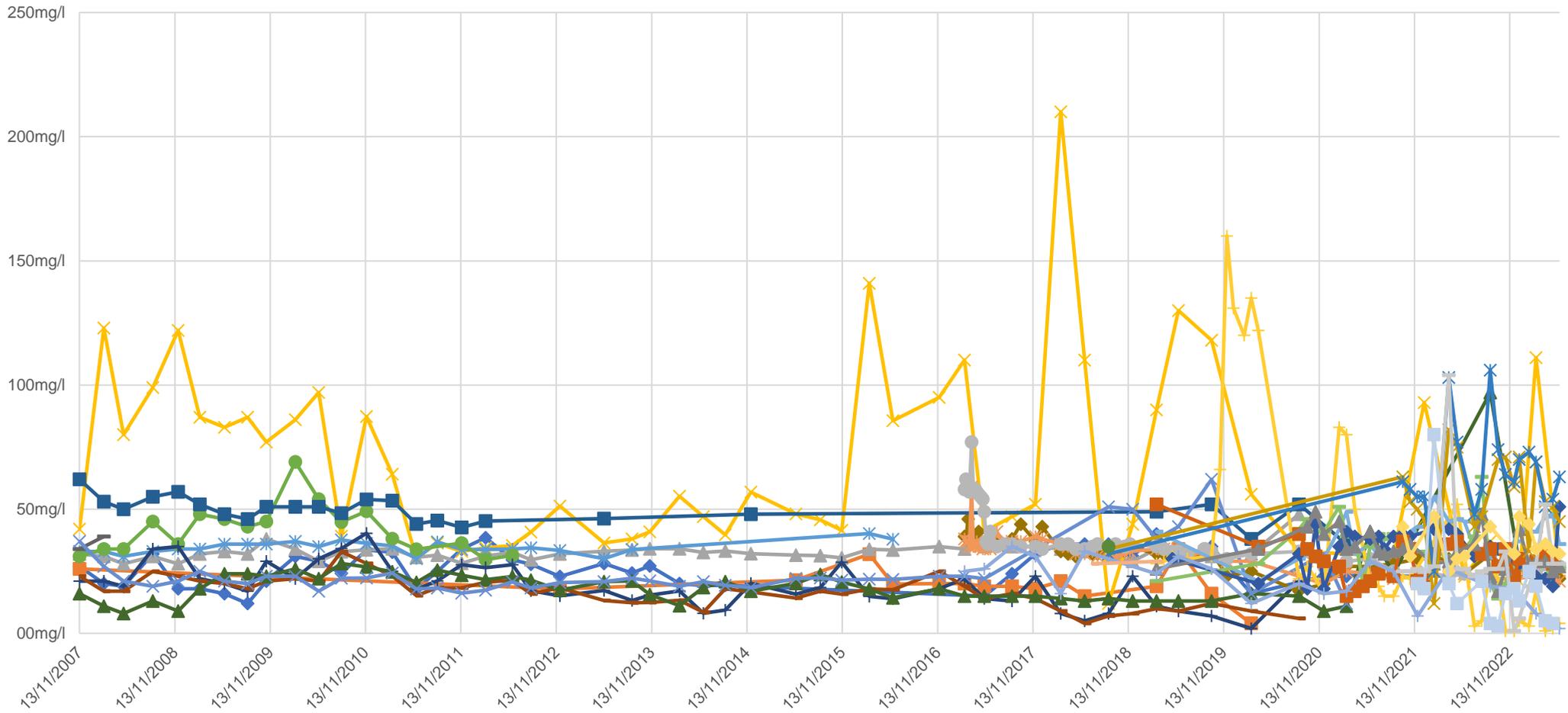


Graph showing the variation in sulphate concentrations at surface water monitoring locations in the vicinity of Brooksby Quarry



Chemograph of the concentration of chloride recorded in the groundwater in boreholes at and in the vicinity of the site between November 2007 and May 2023

- | | | | | | | | |
|-------------|-------------|--------------|--------------|--------------|-------------|--------------|--------------|
| BBY_BH01/07 | BBY_BH02/07 | BBY_BH03/07 | BBY_BH04/07 | BBY_BH05/07 | BBY_BH06/07 | BBY_BH07/07L | BBY_BH07/07U |
| BBY_BH09/07 | BBY_BH1/17 | BBY_BH10/07 | BBY_BH11/07 | BBY_BH12/07 | BBY_BH2/17 | BBY_BH3/17 | BBY_CHEW |
| BBY_SF1 | BBY_SF2 | BBY_SF3 | BBY_SF4 | BBY_SF5 | BBY_WM01 | BBY_WM02 | BBY_WM03 |
| BBY_WM08 | BBY_WM09 | BBY_BH18/PZC | BBY_BH18/PZD | BBY_BH18/PZA | | | |

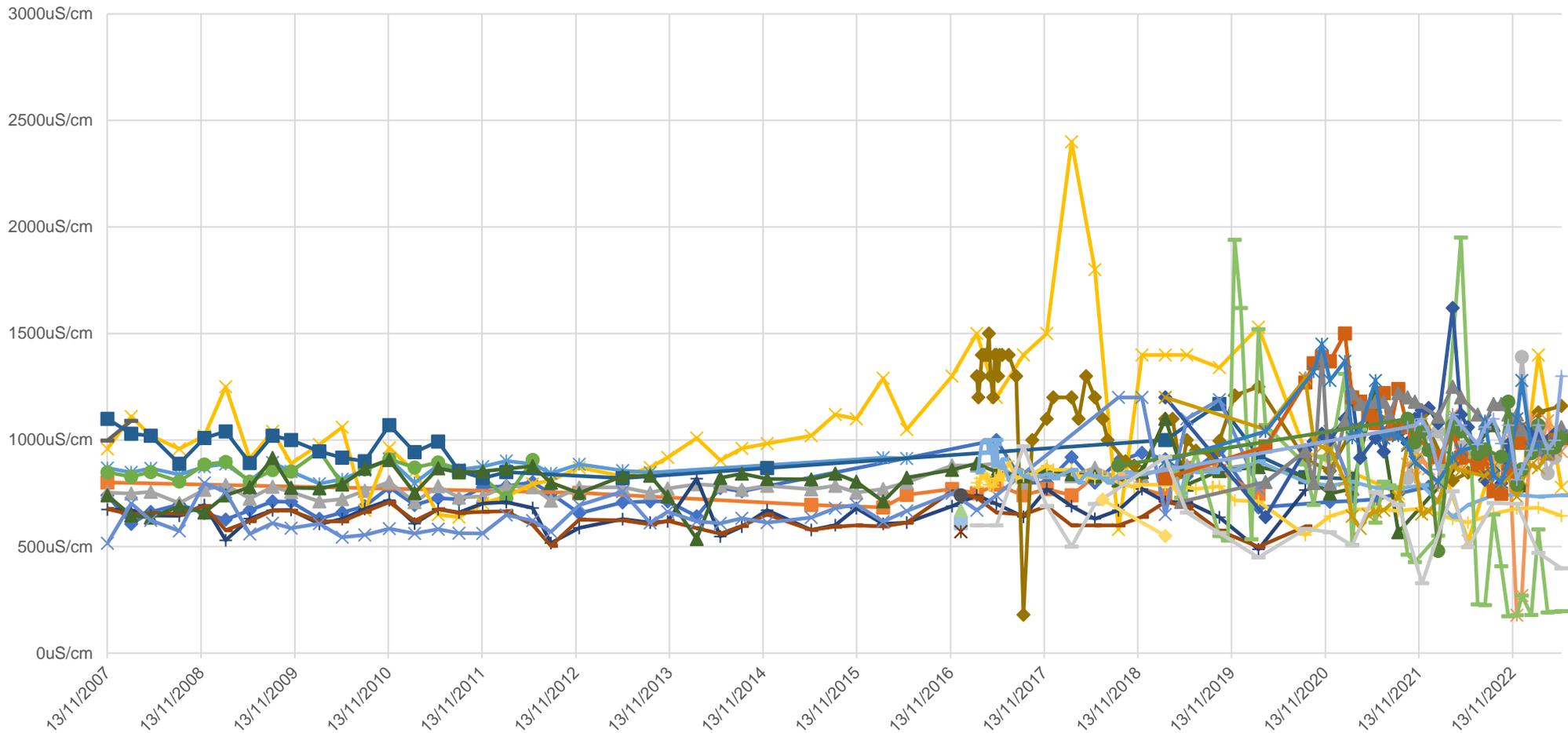
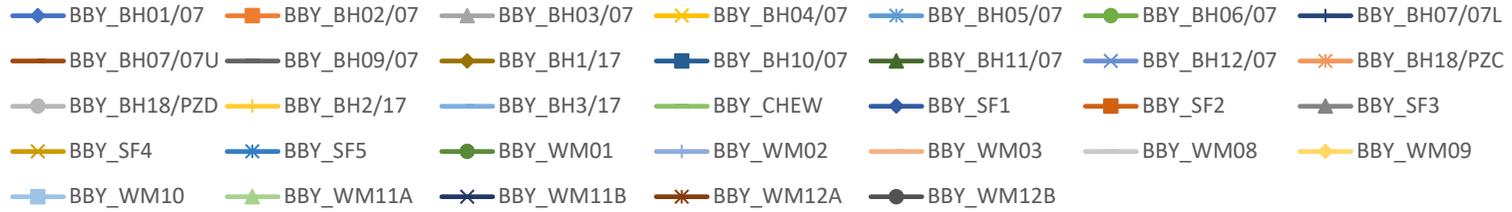


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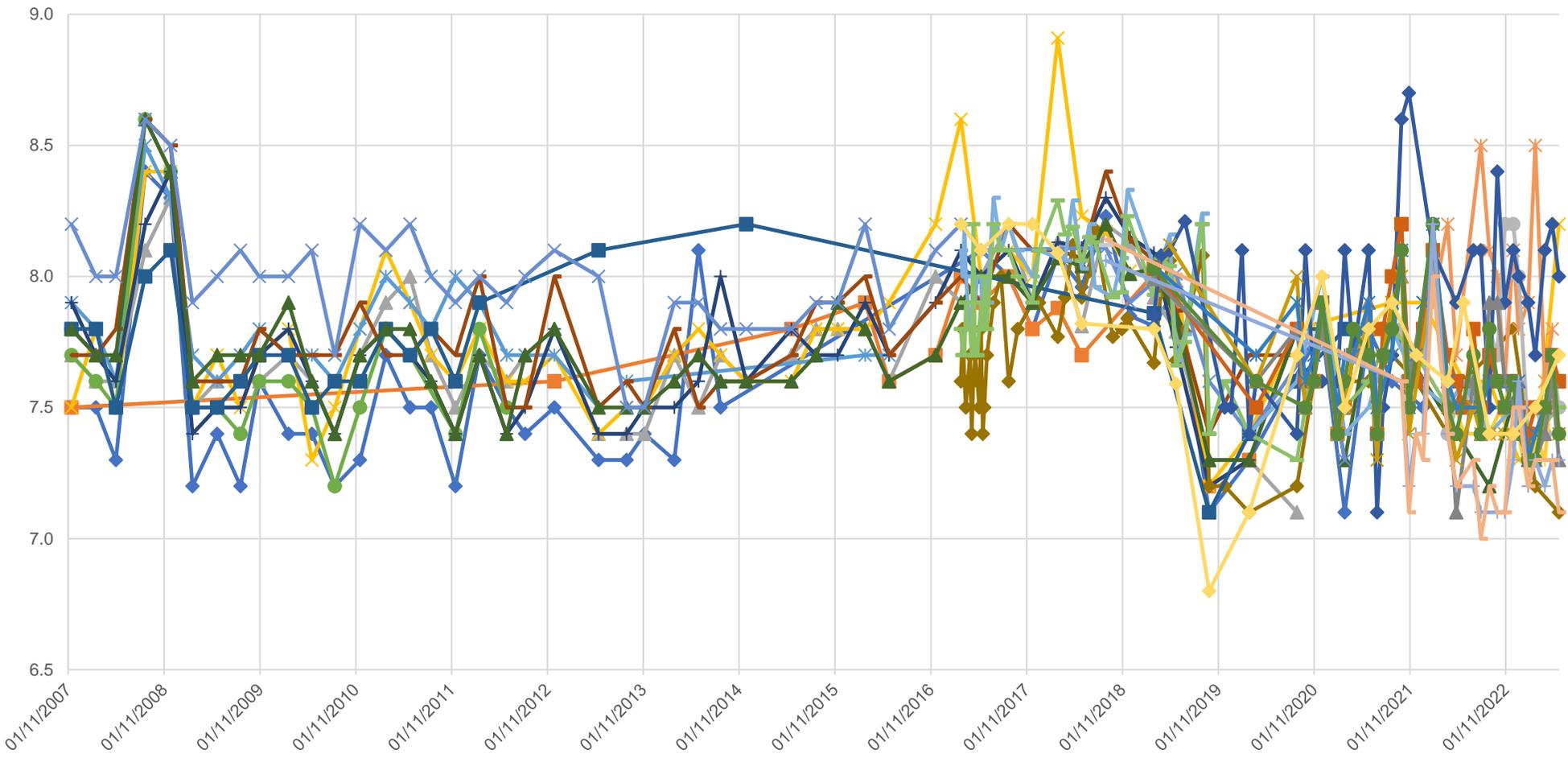
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Chemograph of the electrical conductivity recorded in the groundwater in boreholes at and in the vicinity of the site between November 2007 and May 2023



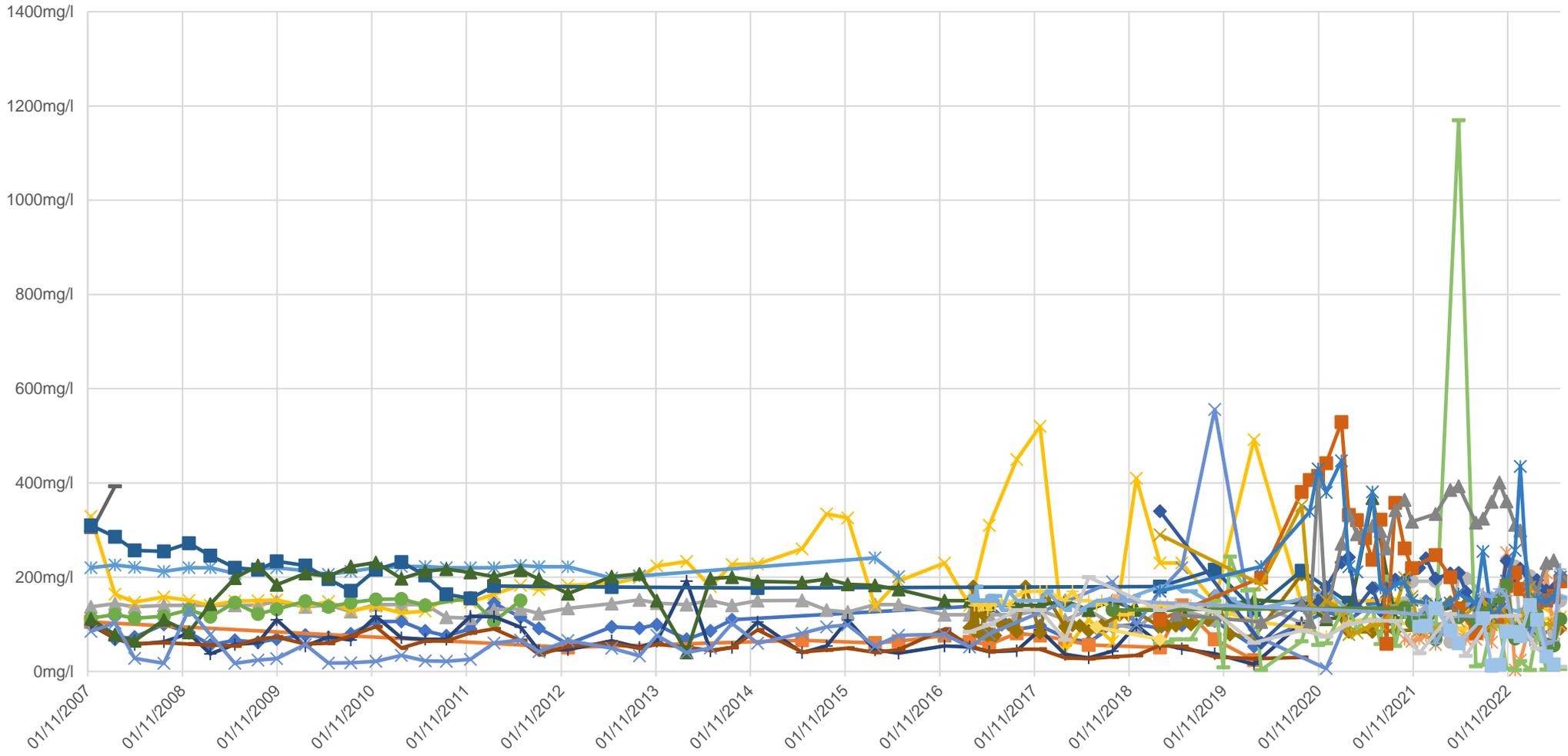
Chemograph of pH recorded in the groundwater in boreholes at and in the vicinity of the site between November 2007 and May 2023

- | | | | | | | |
|--------------|--------------|-------------|-------------|-------------|-------------|--------------|
| BBY_BH01/07 | BBY_BH02/07 | BBY_BH03/07 | BBY_BH04/07 | BBY_BH05/07 | BBY_BH06/07 | BBY_BH07/07L |
| BBY_BH07/07U | BBY_BH09/07 | BBY_BH1/17 | BBY_BH10/07 | BBY_BH11/07 | BBY_BH12/07 | BBY_BH18/PZA |
| BBY_BH18/PZC | BBY_BH18/PZD | BBY_BH2/17 | BBY_BH3/17 | BBY_CHEW | BBY_SF1 | BBY_SF2 |
| BBY_SF3 | BBY_SF4 | BBY_SF5 | BBY_WM01 | BBY_WM02 | BBY_WM03 | BBY_WM08 |

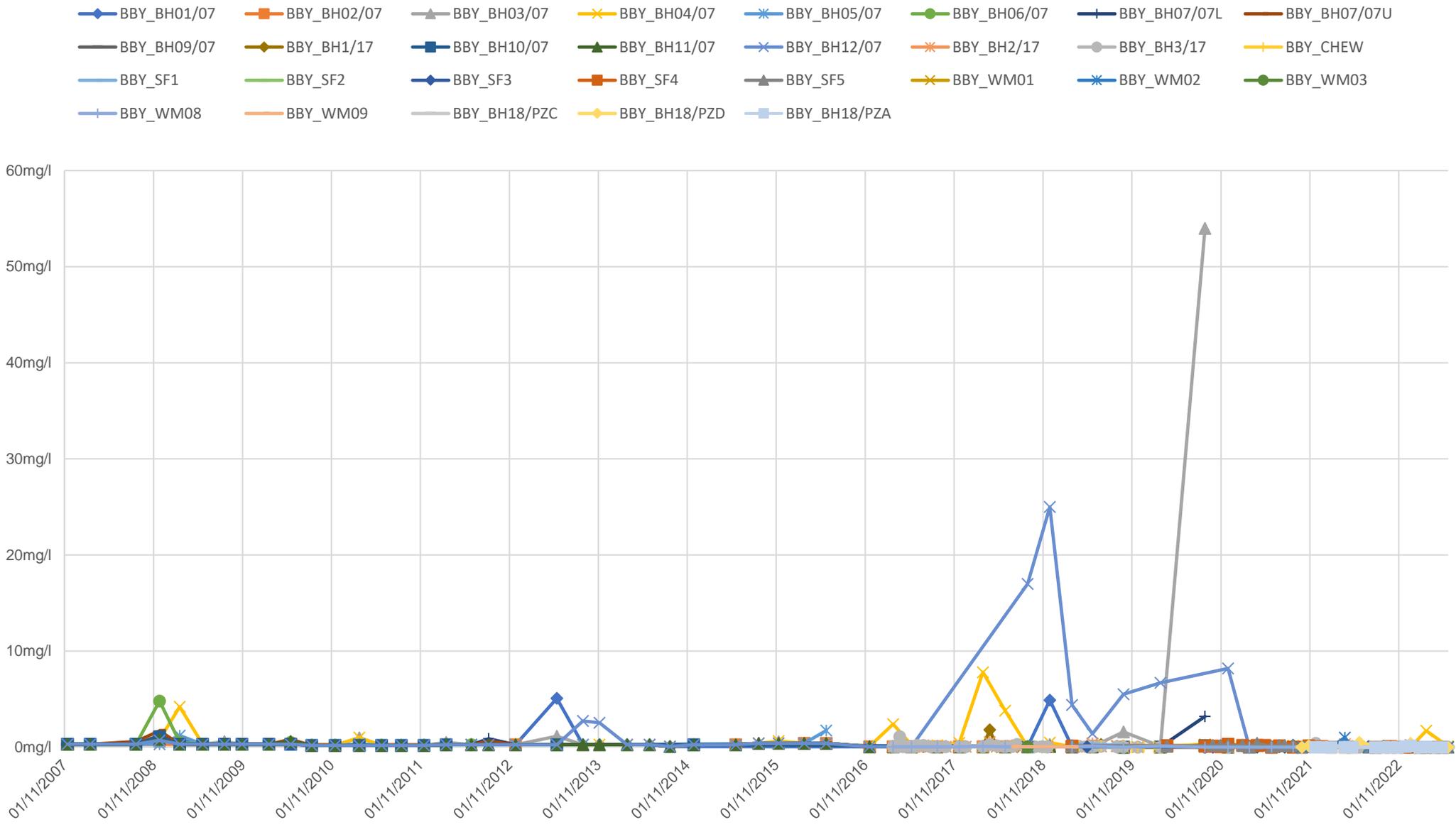


Chemograph of the concentration of sulphate recorded in the groundwater in boreholes at and in the vicinity of the site between November 2007 and May 2023

- | | | | | | | | |
|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| BBY_BH01/07 | BBY_BH02/07 | BBY_BH03/07 | BBY_BH04/07 | BBY_BH05/07 | BBY_BH06/07 | BBY_BH07/07L | BBY_BH07/07U |
| BBY_BH09/07 | BBY_BH1/17 | BBY_BH10/07 | BBY_BH11/07 | BBY_BH12/07 | BBY_BH18/PZC | BBY_BH18/PZD | BBY_BH2/17 |
| BBY_BH3/17 | BBY_CHEW | BBY_SF1 | BBY_SF2 | BBY_SF3 | BBY_SF4 | BBY_SF5 | BBY_WM01 |
| BBY_WM02 | BBY_WM03 | BBY_WM08 | BBY_WM09 | BBY_BH18/PZA | | | |

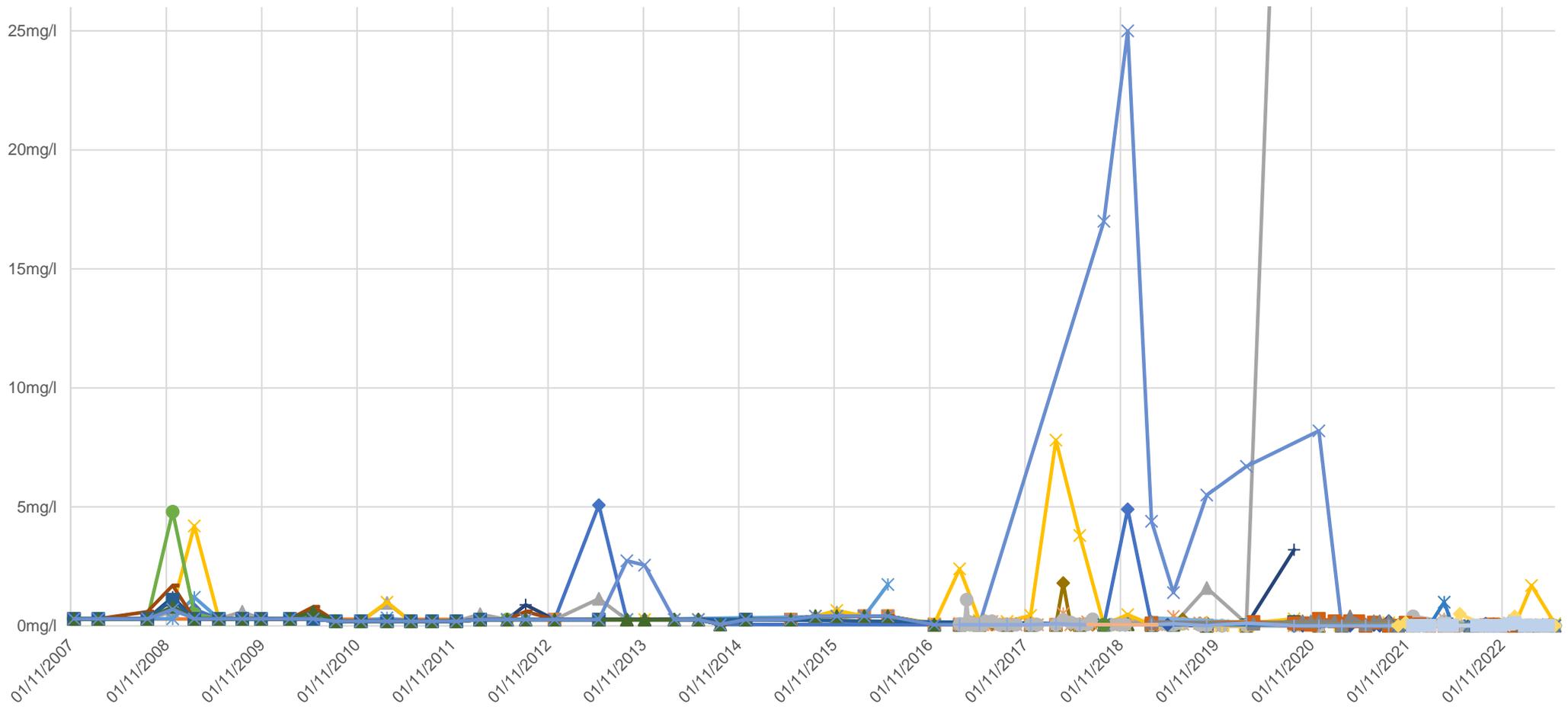


Chemograph of the concentration of ammoniacal nitrogen recorded in the groundwater in boreholes at and in the vicinity of the site between November 2007 and May 2023



Chemograph of the concentration of ammoniacal nitrogen recorded in the groundwater in boreholes at and in the vicinity of the site between November 2007 and May 2023

- | | | | | | | | |
|-------------|-------------|--------------|--------------|--------------|-------------|--------------|--------------|
| BBY_BH01/07 | BBY_BH02/07 | BBY_BH03/07 | BBY_BH04/07 | BBY_BH05/07 | BBY_BH06/07 | BBY_BH07/07L | BBY_BH07/07U |
| BBY_BH09/07 | BBY_BH1/17 | BBY_BH10/07 | BBY_BH11/07 | BBY_BH12/07 | BBY_BH2/17 | BBY_BH3/17 | BBY_CHEW |
| BBY_SF1 | BBY_SF2 | BBY_SF3 | BBY_SF4 | BBY_SF5 | BBY_WM01 | BBY_WM02 | BBY_WM03 |
| BBY_WM08 | BBY_WM09 | BBY_BH18/PZC | BBY_BH18/PZD | BBY_BH18/PZA | | | |

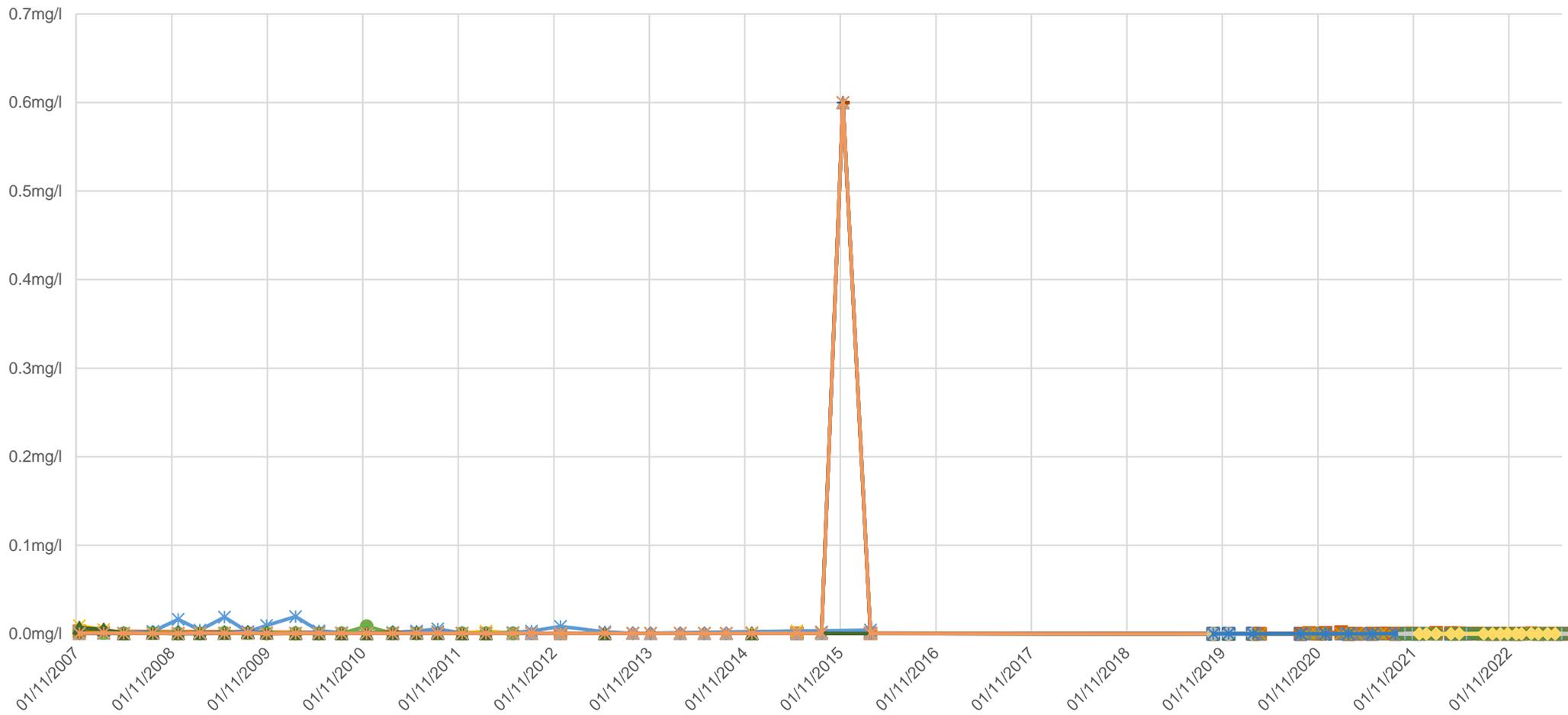
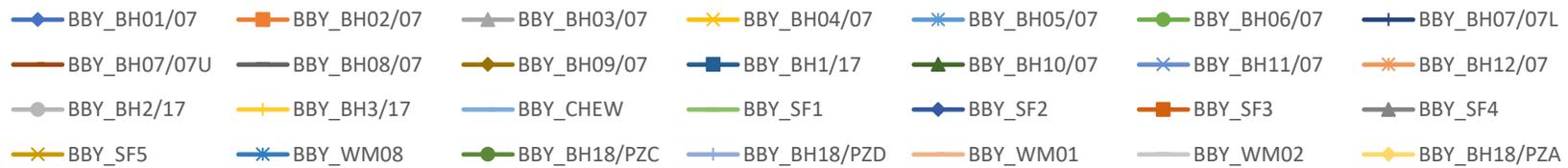


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Chemograph of the concentration of cadmium recorded in the groundwater in boreholes at and in the vicinity of the site between November 2007 and May 2023



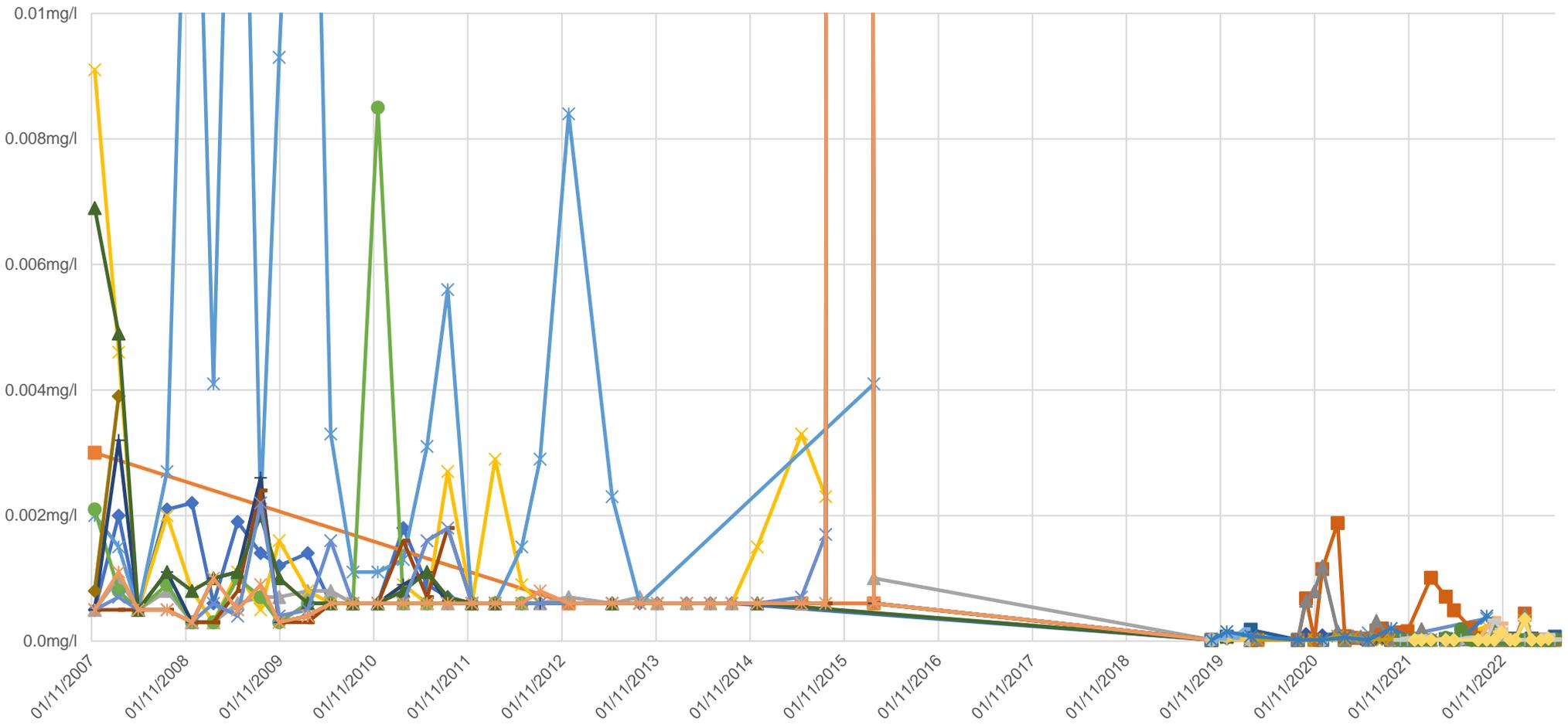
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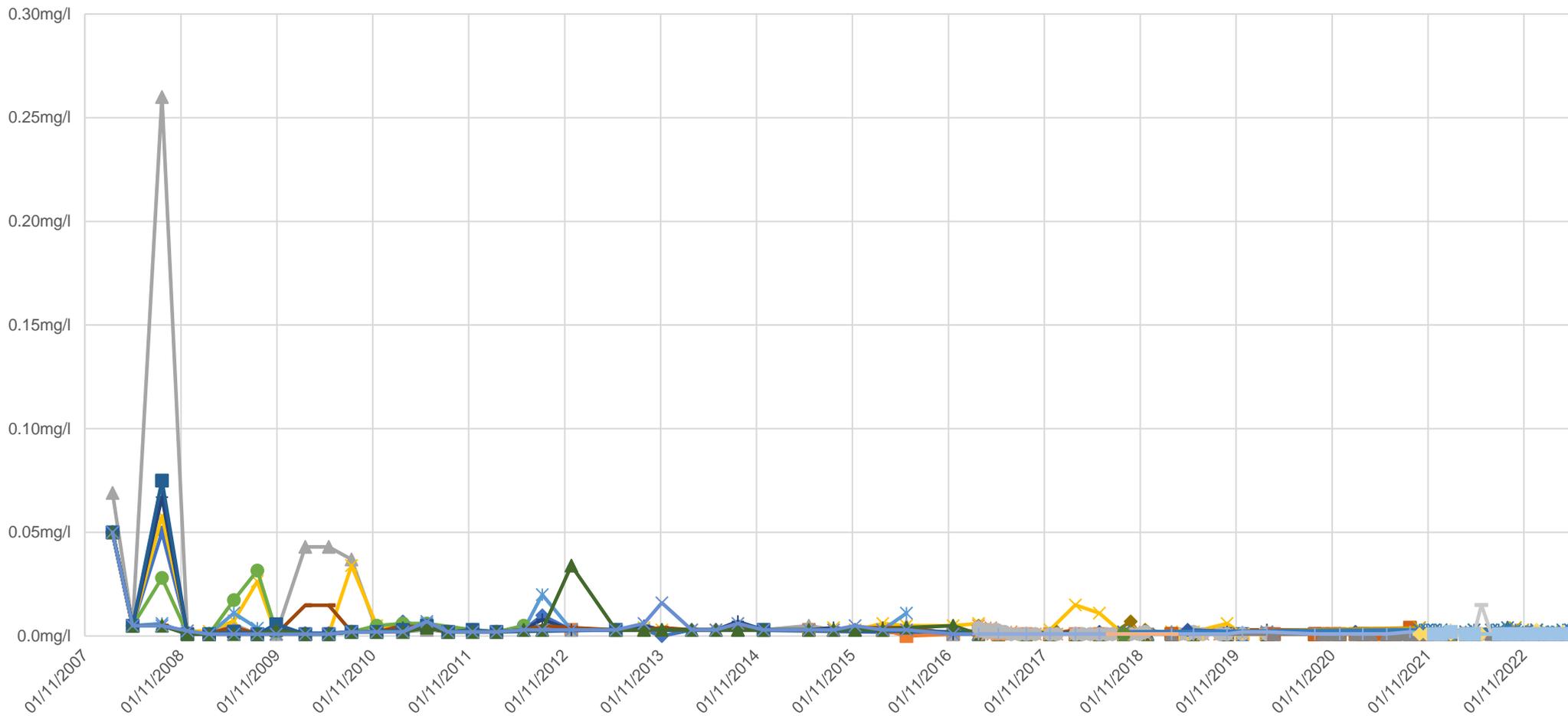
Chemograph of the concentration of cadmium recorded in the groundwater in boreholes at and in the vicinity of the site between November 2007 and May 2023

- | | | | | | | |
|----------------|---------------|----------------|----------------|---------------|---------------|----------------|
| ● BBY_BH01/07 | ■ BBY_BH02/07 | ▲ BBY_BH03/07 | ✕ BBY_BH04/07 | ✖ BBY_BH05/07 | ● BBY_BH06/07 | + BBY_BH07/07L |
| — BBY_BH07/07U | — BBY_BH08/07 | ◆ BBY_BH09/07 | ■ BBY_BH1/17 | ▲ BBY_BH10/07 | ✖ BBY_BH11/07 | ✖ BBY_BH12/07 |
| ● BBY_BH2/17 | ✕ BBY_BH3/17 | — BBY_CHEW | — BBY_SF1 | ◆ BBY_SF2 | ■ BBY_SF3 | ▲ BBY_SF4 |
| ✕ BBY_SF5 | ✖ BBY_WM08 | ● BBY_BH18/PZC | ✖ BBY_BH18/PZD | — BBY_WM01 | — BBY_WM02 | ◆ BBY_BH18/PZA |



Chemograph of the concentration of nickel recorded in the groundwater in boreholes at and in the vicinity of the site between November 2007 and May 2023

- | | | | | | | | |
|-------------|-------------|--------------|--------------|--------------|-------------|--------------|--------------|
| BBY_BH01/07 | BBY_BH02/07 | BBY_BH03/07 | BBY_BH04/07 | BBY_BH05/07 | BBY_BH06/07 | BBY_BH07/07L | BBY_BH07/07U |
| BBY_BH09/07 | BBY_BH1/17 | BBY_BH10/07 | BBY_BH11/07 | BBY_BH12/07 | BBY_BH2/17 | BBY_BH3/17 | BBY_CHEW |
| BBY_SF1 | BBY_SF2 | BBY_SF3 | BBY_SF4 | BBY_SF5 | BBY_WM01 | BBY_WM02 | BBY_WM03 |
| BBY_WM08 | BBY_WM09 | BBY_BH18/PZC | BBY_BH18/PZD | BBY_BH18/PZA | | | |



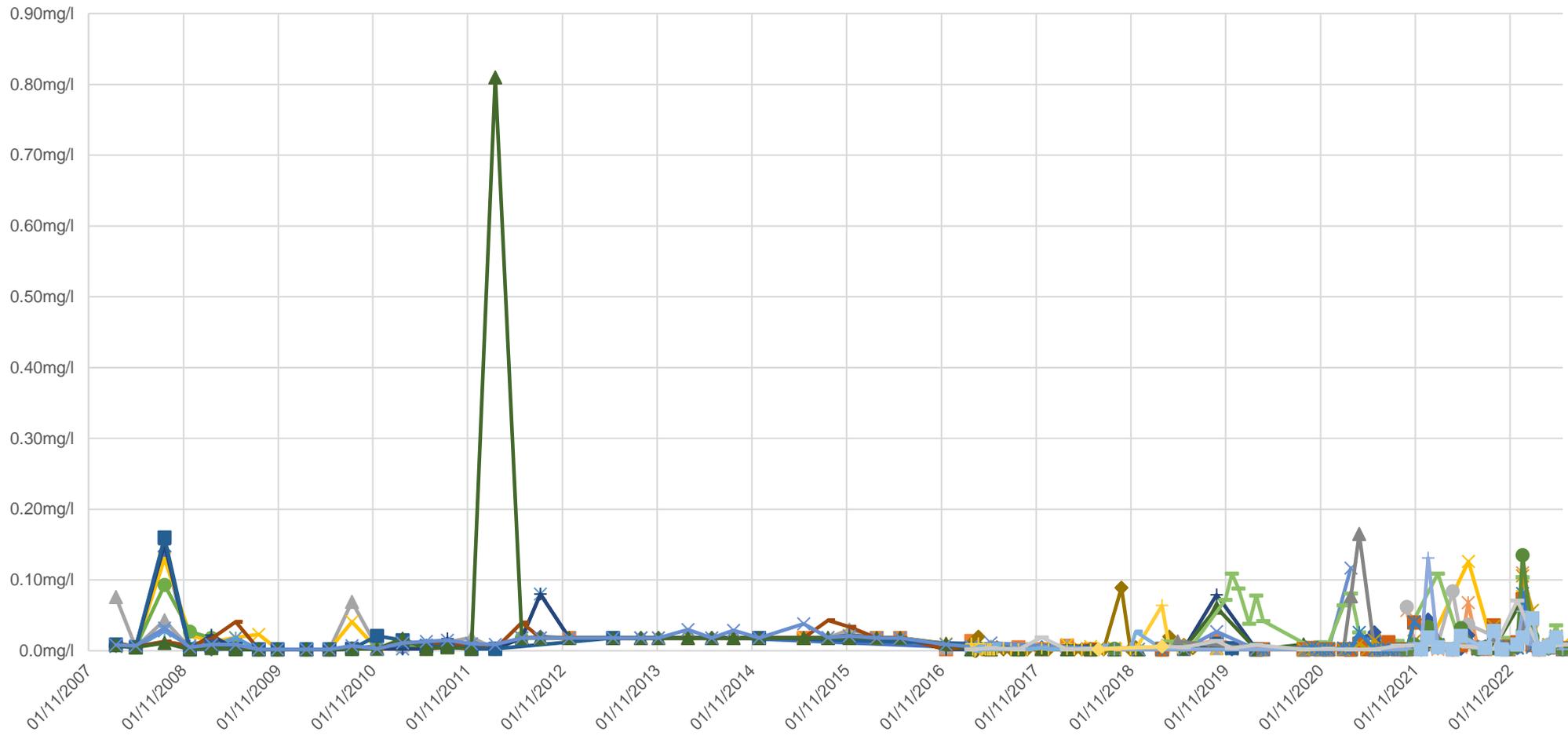
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August 2023

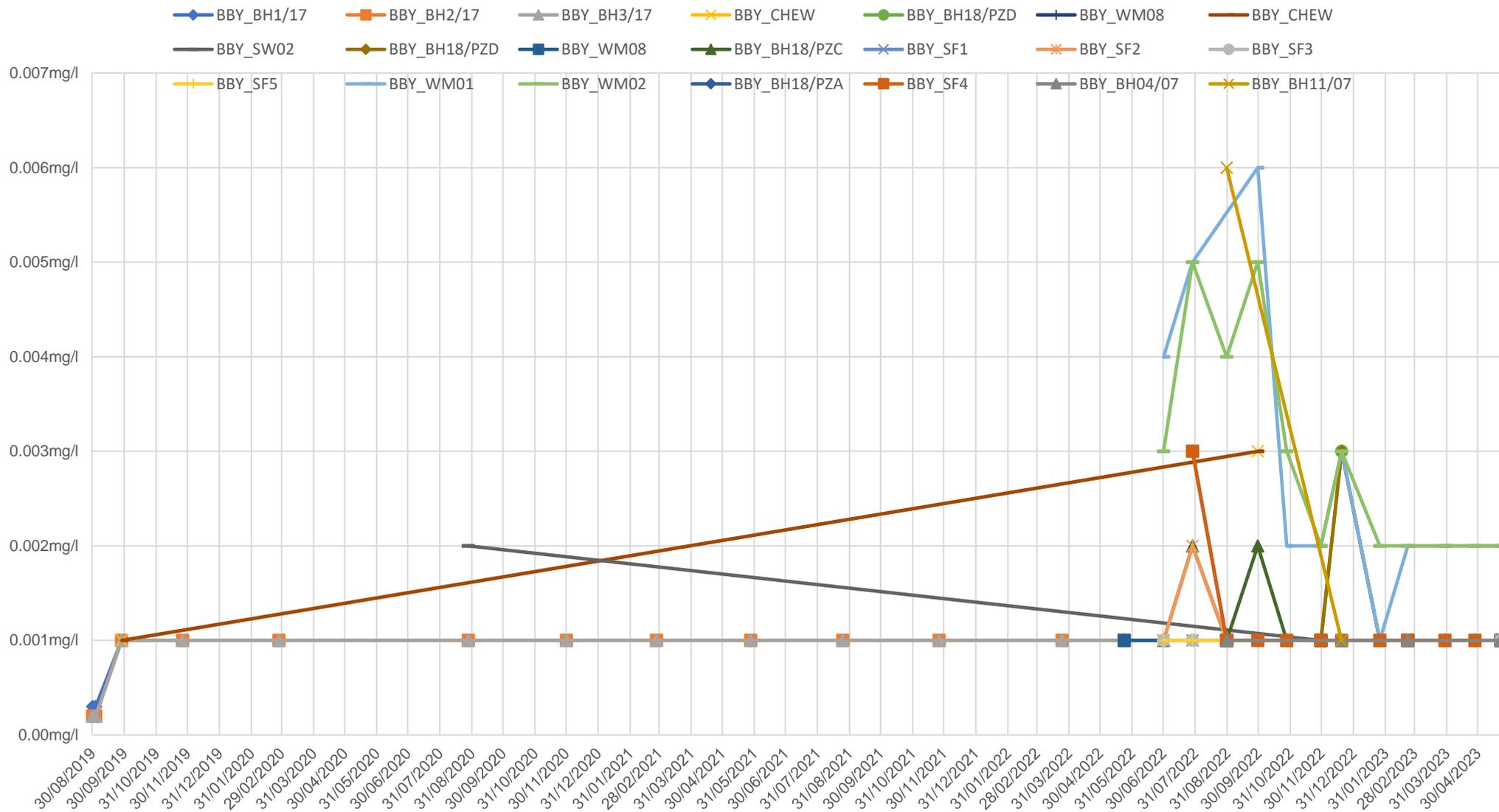
TAR_BR0c29433 Appendix ESSD H

Chemograph of the concentration of zinc recorded in the groundwater in boreholes at and in the vicinity of the site between November 2007 and May 2023

- | | | | | | | | |
|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| BBY_BH01/07 | BBY_BH02/07 | BBY_BH03/07 | BBY_BH04/07 | BBY_BH05/07 | BBY_BH06/07 | BBY_BH07/07L | BBY_BH07/07U |
| BBY_BH09/07 | BBY_BH1/17 | BBY_BH10/07 | BBY_BH11/07 | BBY_BH12/07 | BBY_BH18/PZC | BBY_BH18/PZD | BBY_BH2/17 |
| BBY_BH3/17 | BBY_CHEW | BBY_SF1 | BBY_SF2 | BBY_SF3 | BBY_SF4 | BBY_SF5 | BBY_WM01 |
| BBY_WM02 | BBY_WM03 | BBY_WM08 | BBY_WM09 | BBY_BH18/PZA | | | |



Chemograph of the concentration of arsenic recorded in the groundwater in boreholes at and in the vicinity of the site between August 2019 and May 2023



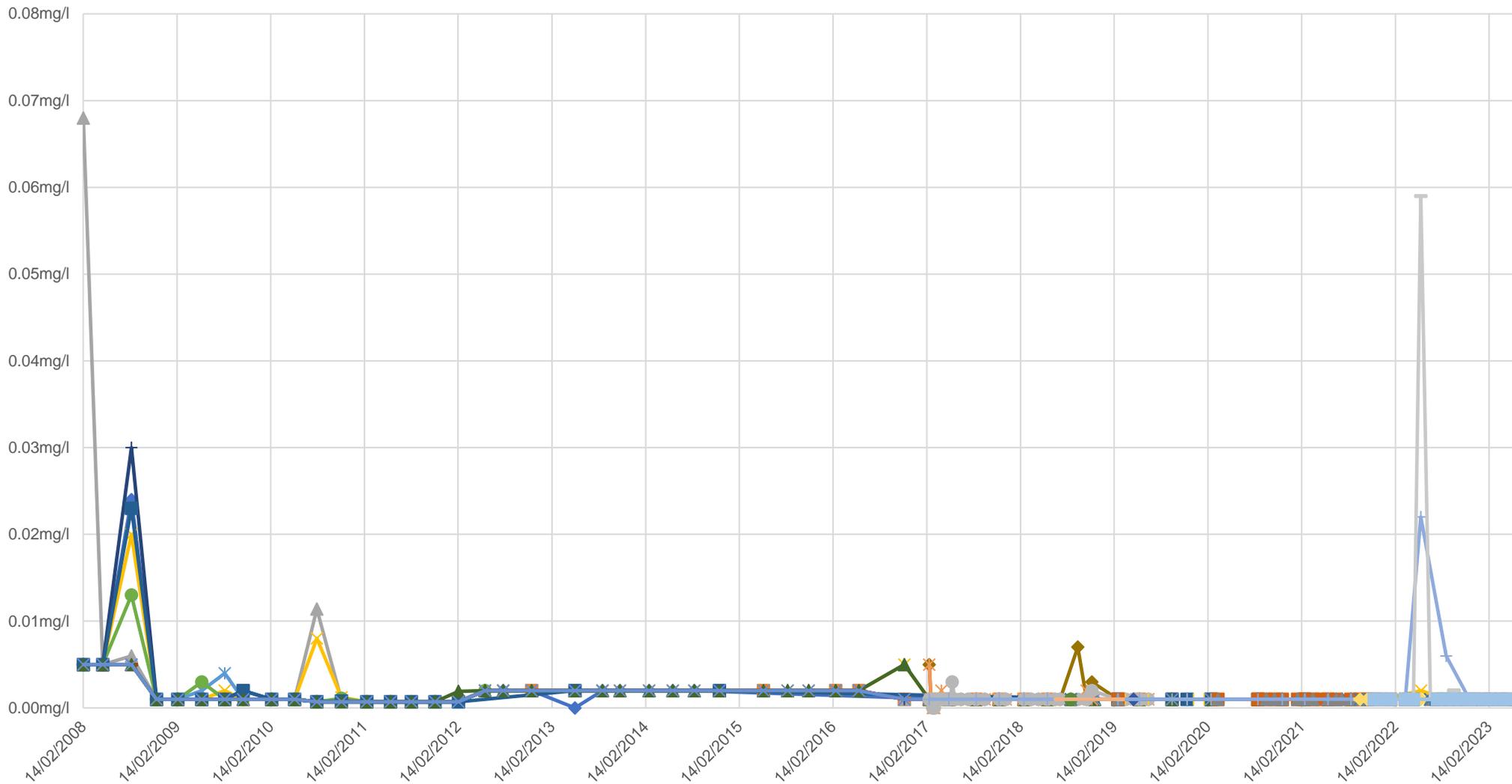
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Chemograph of the concentration of chromium recorded in the groundwater in boreholes at and in the vicinity of the site between February 2008 and May 2023

- | | | | | | | | |
|-------------|-------------|--------------|--------------|--------------|-------------|--------------|--------------|
| BBY_BH01/07 | BBY_BH02/07 | BBY_BH03/07 | BBY_BH04/07 | BBY_BH05/07 | BBY_BH06/07 | BBY_BH07/07L | BBY_BH07/07U |
| BBY_BH09/07 | BBY_BH1/17 | BBY_BH10/07 | BBY_BH11/07 | BBY_BH12/07 | BBY_BH2/17 | BBY_BH3/17 | BBY_CHEW |
| BBY_SF1 | BBY_SF2 | BBY_SF3 | BBY_SF4 | BBY_SF5 | BBY_WM01 | BBY_WM02 | BBY_WM03 |
| BBY_WM08 | BBY_WM09 | BBY_BH18/PZC | BBY_BH18/PZD | BBY_BH18/PZA | | | |



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