

Phase 1: Desk Study

Site C, Cleator Moor

Copeland Borough Council

S210805

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PHASE 1 DESK STUDY

SITE C, CLEATOR MOOR

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1 EXECUTIVE SUMMARY

Site Address	Land north of High Street, Cleator Moor, CA25 5BW.
Site Description	The site is irregularly shaped and has a mostly flat and even topography. The south portion of the site is currently in use for allotment gardens. The north portion of the site is fairly flat and massively overgrown with vegetation with a beck on the north boundary of the site. There is a slight slope towards the north portion of the site.
Site History <i>On Site</i> <i>Offsite</i>	The earliest maps (1863) show that the site was agricultural land. There is an old iron shaft located in the southwest portion of the site. From the earliest mapping the area around the site shows a railway located to the immediate west of the site. Ironworks and iron pits located west, southwest and south of the site. There is a reservoir located approximately 250m west of the site. Todholes Quarries is located approximately 300m south of the site. An old mine shaft is located approximately 400m east of the site and Aldby Quarry is located approximately 500m east of the site. Nor Beck is located approximately 100m north of the site.
Proposed End Use	The proposed development is outlined to be commercial comprising units with associated parking and access roads.
Environmental Setting <i>Landfill & Waste</i> <i>Regulated Industries</i> <i>Geology</i> <i>Hydrogeology</i> <i>Hydrology</i> <i>Flooding</i> <i>Radon Gas</i>	There is one facility handling or managing waste within 500m of the site. There are thirty-nine contemporary trade directory entries within 500m of the site. There is one fuel station entry within 500m of the site. The solid geology beneath the site is likely to mostly comprise Stainmore Formation comprising of mudstone, siltstone and sandstone, with thin limestones and coal. The Eskett Formation comprising of limestone with interbedded sandstone, siltstone, and mudstone. Orebank Sandstone comprising of sandstone and Pennine Middles Coal Measures Formation comprising of mudstone, siltstone and sandstone. The drift deposits on site are likely to comprise of silty, sandy and gravelly Glacial Till. Using the Environment Agency's Policy and Practice for the Protection of Groundwater the solid geology beneath the site is classified as a Secondary Aquifer – A. The overlying drift is classified as a Secondary Aquifer – Undifferentiated. The site does not lie within a source protection zone. There is one Ground Water Abstractions located within 1km of the site. The nearest surface water feature is located 88m northeast of the site. The Envirocheck Report states the site is not at risk of Flooding from Rivers and the Seas without defences, and there are no flood defences, flood water storage areas or areas benefiting from flood defences and flood storage present within 250m of the site. The site is in a Higher Probability Radon Affected Area, as less than 10 to 30% of properties are above the Action Level. Full radon protection measures are necessary for new buildings or extensions on the site.
Preliminary Mining Assessment	The report highlights that the site is situated within the boundary of two mine entries 20m of the site or the boundary of the site. It is highlighted that there are possible ancient shallow coal mining working within the likely zone of influence on the surface in the vicinity of the property, for which no accurate plans or records exist and there are possible workings in minerals other than coal. It will be necessary to investigate the two mine shafts via slip trenching, whilst the mine workings will require investigation via rotary openhole boreholes to between 30-50.00mbgl.
Preliminary Geotechnical Assessment	Given the expected ground conditions, the use of strip or pad foundations for the new development is anticipated at present. Where loose made ground or soft/loose natural deposits are encountered, foundations will need to be taken through the made ground/disturbed ground into underlying natural strata of adequate bearing capacity.
Preliminary Contamination Assessment	The desk study has shown that the site may have been exposed to some contamination, with construction/demolition waste and possibly oils or fuel from vehicle spills the most likely source local to the structures. Asbestos may also be present on the site from previous/existing building materials used on-site.
Potential Sources of Ground Gas	Made ground is expected on site, therefore ground gas assessment is recommended due to the nature of the development.
Phase Two Recommendations	• A series of slip trenches (potentially preceded by geophysical survey) in the area of the two mine shafts • A series of small percussive boreholes with insitu testing and samples. • A series of rotary boreholes to ca. 30-50.00mbgl • Gas monitoring comprising four visits over one month. • A series of machine dug trial pits for sampling, insitu soakaways and CBRs. • Geotechnical testing. • Chemical testing.

2 INTRODUCTION AND SCOPE OF INVESTIGATION

Solmek were instructed by Copeland Borough Council to undertake a desk study on a parcel of land north of High Street, Cleator Moor, CA25 5BW. The proposed development is outlined to be commercial comprising units with associated parking and access roads.

The following steps may be required in the investigation and remediation of potentially contaminated land:

- Phase 1: Desk Study
- Phase 2: Intrusive Investigation
- Phase 3: Remediation Statement
- Phase 4: Validation Reports

Phases 1 and 2 are generally required in the redevelopment of most sites. Phases 3 and 4 are subject to the findings of the initial stages. This report represents Phase 1 of the site investigation.

The purpose of this Phase 1 Desk Study is to evaluate likely ground conditions and significant environmental issues at the site, and to plan the scope of subsequent phases of investigation.

This report may be regarded as a Preliminary Risk Assessment in accordance with respect to the Environment Agency's guidance document Environment Agency *Land Contamination Risk Management*, which replaced the now-withdrawn *Contaminated Land Report 11 – Model Procedures for the Management of Land Contamination (2004)*.

This Phase 1 Desk Study has been undertaken with due regard to current contaminated land guidance issued by the Royal Institution of Chartered Surveyors (RICS) together with BS 10175:2011+A1:2013, *“Investigation of Potentially Contaminated Land - Code of Practice”* and relevant sections of BS 5930: 2015, *“Code of Practice for Ground Investigations”*.

The objectives of the investigation are as follows:

- Determine the land use history of the site from an inspection of available Historical Maps
- Determine the environmental setting of the site from available sources
- Determine whether past mining may have had an influence on the site
- Determine whether the site has previously been used for purposes that may have given rise to significant ground contamination
- Provide recommendations for further investigation.

3 SITE WALKOVER AND DESCRIPTION

3.1 General

The centre of the site is located at OS Grid Ref 301850, 515310 and covers an area of approximately 4.92Ha. The area is located on a parcel of land north of High Street, Cleator Moor, CA25 5BW.

The preliminary site inspection was undertaken on the 25th August 2021 and site photographs are presented in Appendix A.

3.2 Site Description

The desk study area is located on a parcel of land north of High Street.

The site is irregularly shaped and has a mostly flat and even topography. The south portion of the site is currently in use for allotment gardens.

The north portion of the site is fairly flat and massively overgrown with vegetation with a beck on the north boundary of the site. There is a slight slope towards the north portion of the site.

The south portion of the site consists of hardstanding and the north portion consists of both topsoil and hardstanding.

The site perimeter is secure with gated access to the east and north of the site.

3.3 Off Site Features

Nor Beck is located to the immediate north of the site.

4 SITE HISTORY

4.1 Map Descriptions

In order to determine the history of the site, previous editions of Historical Maps and Ordnance Survey Plans were inspected. The Historical Maps are presented in Appendix B.

Table 1 presents a summary of the history of the area which includes plots from 1863 to 2021. The summary focuses on the historical land uses and changes relevant to the site and the proposed end use. Measurements are taken from the nearest boundary of the site and all distances quoted are approximate.

TABLE 1: SUMMARY OF SITE HISTORY

OS Map Edition	On-site Features	Off-site Features
1863 1:2,500 & 1867 1:10,560	The site is predominantly agricultural land. There is an old iron shaft located in the southwest portion of the site. There is evidence of reworked land in the centre of the site, adjacent to a limekiln, potentially indicating quarrying.	There is a railway located to the immediate west of the site. Ironworks are located approximately 100m west of the site and iron pits located approximately 100m west, 200m southwest, 100m south and 300m southwest of the site. There is a reservoir located approximately 250m west of the site. Todholes Quarries is located approximately 300m south of the site. An old mine shaft is located approximately 400m east of the site and Aldby Quarry is located approximately 500m east of the site. Nor Beck is located approximately 100m north of the site.
1899 1:2,500 & 1900 1:10,560	Construction of goods station located in the southwest portion of the site. An old iron ore shaft is noted in the centre of the site. Construction of tank in northwest portion of the site.	Construction of engine works located to the immediate northeast of the site. Construction of railway to the immediate north of the site. Construction of iron and steel works located to the immediate west of the site. Construction of police station located approximately 150m east of the site. An old mine shaft is noted approximately 200m west of the site. Construction of allotment gardens located to the immediate south of the site. Construction of ironstone mine pits located approximately 250m and 350m southwest. An old iron ore mine is noted approximately 700m south of the site. Construction of Montreal Iron Ore Mine located approximately 700m southwest of the site. Construction of gas works located approximately 400m northeast of the site.
1925 1:2,500 & 1926 1:10,560	Construction of residential housing in south and southeast portion of the site.	Construction of ironworks to the immediate north and west of the site. Construction of sewage tanks located approximately 300m north and 650m southeast of the site.
1938 1:10,560	No significant change.	No significant change.
1956 – 1957 1:10,000	No significant change.	No significant change.
1962 1:2,500	Construction of allotment gardens in south portion of the site. Two ponds are noted in the northwest and centre of the site.	Demolition of iron works to the immediate north and west of the site. Construction of slag heaps to the immediate north and west of the site. A pond is noted approximately 150m west of the site.
1962 – 1982 1:2,500	Demolition of goods station and tank on site. Construction of allotment gardens in the west portion of the site.	Construction of electrical substation to the immediate east of the site. Dismantling of railways to the immediate west of the site. Construction of industrial estate and factories located approximately 100m northwest of the site.
1985 1:2,500	No significant change.	No significant change.
1991	No significant change.	Dismantling of railway to the immediate north of the site.

1:2,500 & 1994 1:2,500		
2000 1:10,000	No significant change.	Construction of depot located approximately 200m west of the site.
2021 1:10,000	No significant change.	No significant change.

4.2 Potential Contamination Sources Identified via Historical Plans

Contamination from historical land uses within a 250m radius of the site have been identified:

Made ground from materials used to infill depressions and form a level area for access or building. This may include brick, concrete, timber, ash, slag, coal and metals.

Construction/demolition waste from construction and demolition immediately around the site over the documented history. This may include brick, concrete, timber, asbestos and metals.

Roads/Parking Areas may have utilised coal tar, which can result in high levels of PAHs and Phenols and may require disposal as hazardous waste. In addition, historically road construction used ash as a sub-base material, which could be a further source of PAHs.

Agricultural from pesticides and fertilizers used on the ground to grow and protect crops. Along with possible fuel leakages from farm vehicles.

Allotment Gardens can often be a source of ash waste from small fires.

Goods Station had on-site fuel tanks which may be above or below ground and as such are a potential source of leaking hydrocarbons.

Railway Contamination based on proximity to current and historic railway features isolated to the west and north of the site. This may include ash, clinker, heavy metals and asbestos.

Electrical substation may have produced contaminants including Polychlorinated Biphenyls (PCBs), which were often blended with carrier fluids such as chlorobenzenes and mineral oil prior to distribution.

Infilled Ponds/Quarries Infilled ponds or quarries have potential for ground gas generation, depending on the materials used to infill the pits and also the time that has elapsed since deposition. The materials utilised as infill may themselves be contaminated with metals, hydrocarbons or asbestos.

Mining waste potential contaminants could include metals, hydrocarbons and coal tar.

Iron Works contaminants that may arise from Iron Works (or Forges) typically include metals such as lead, arsenic, cadmium or zinc and organic pollutants such as fuels, oils or PAHs.

5 ENVIRONMENTAL SETTING

5.1 Information Sources

The environmental setting of the site was determined through reference to the following:

- Envirocheck Report (including historical map extracts)
- British Geological Survey (BGS): 1:50 000 geological map series sheet 28 Whitehaven Solid and Drift Edition (2004)
- BRE Publication BR211 Radon: Guidance on Protective Measures for New Dwellings
- Capita Symonds: Phase I: Preliminary Sources (Desk) Study - Birks Road, Cleator Moor (Related to the site itself)
- WYG: Leconfield Industrial Estate – Desk Based Technical Appraisal (Related to land immediately west)

5.2 Landfill and Waste

The Envirocheck Report indicates that there are no Registered Landfill Sites located within 500m of the site.

The Envirocheck Report indicates that there are no BGS Recorded Landfill Sites located within 500m of the site.

The Envirocheck Report indicates that there are no Historic Landfill Sites located within 500m of the site.

The Envirocheck report indicates that there are no Local Authority Recorded Landfill sites located within 500m of the site.

The Envirocheck Report indicates that there are no Waste Treatment, Transfer and Disposal Sites entries located within 500m of the site.

The Envirocheck Report indicates that there are one Licenced Waste Management Facilities located within 500m of the site. This is located 86m northwest of the site. It was issued July 2017 and revoked April 2020.

5.3 Regulated Industries

The Envirocheck Report indicates that there are thirty-nine Contemporary Trade Directory Entries located within 500m of the site. Five are located on site and two of which are Active, Station Road Garage and S A Miller, both relating to Car Body repairs.

The Envirocheck Report indicates that there are one Recorded Fuel Sites located within 500m of the site. This is located 371m west of the site and is reported as open.

The Envirocheck Report indicates that there are two records of Integrated Pollution Prevention and Control entries located within 500m of the site. The nearest is located 316m northwest of the site and has an effective date of February 2005. The status is reported as Suspended By Variation.

The Envirocheck Report indicates that there are two Local Authority Pollution Prevention and Control sites or enforcements located within 500m of the site. The nearest is located 371m west of the site and the status is reported as Permitted.

The Envirocheck Report indicates that there are no sites dealing with Hazardous, Explosive or Radioactive Substances located within 500m of the site.

The Envirocheck Report indicates that there are no Substantiated Pollution Incidents located within 500m of the site.

The Envirocheck Report indicates that there are no Sites Determined as Contaminated Land under Part 2A EPA 1990 entries located within 500m of the site.

5.4 Geology

The south of the site is shown to be underlain by solid geology of Stainmore Formation most likely comprising of mudstone, siltstone and sandstone, with thin limestones and coal. The centre of the site is shown to be underlain by solid geology of Eskett Formation most likely comprising of limestone with interbedded sandstone, siltstone and mudstone. There is a band running through the north of the site shown to be a solid geology of Orebank Sandstone. The north of the site is shown to be underlain by solid geology of Pennine Middles Coal Measures Formation most likely comprising of mudstone, siltstone and sandstone (Figure 4).

The drift deposits on site are likely to comprise of silty, sandy and gravelly Glacial Till with occasional sandy and gravelly lenses (Figure 3).

A conjectured surface fault runs through the site with a downthrow to the northeast.

The southern portion of the site is an area of haematite undermining.

BGS Borehole NY01NW13905 is located in the centre of the site and shows surface deposits of sandy silty

clay to a depth of 0.3m, underlain by firm sandy silty gravelly clay to a depth of 0.6m. This is underlain by stiff gravelly slightly sandy silty clay to a depth of 0.8m, underlain by stiff slightly sandy silty clay with occasional gravel and sandstone boulders to a depth of 1.3m. Underlying this is black laminated sandstone with iron staining.

5.5 Mining & Quarrying

The site is within a Coal Mining Affected Area as defined by the Coal Authority, as a result a coal mining search report was required to assess the risks posed by historic and possible future coal mining to any current or future developments on the site.

The coal mining search report conducted by David Bellis Consulting Surveyors dated 23rd August 2021 is presented in Appendix D.

The mining report highlights that the site is situated in an area where no seams have been worked within the likely zone of physical influence on the surface.

The report highlights that the site is not situated within the boundary of a former opencast coal mining site. Neither is the site located within 200m of a currently operating opencast coal mine or 800m of a future opencast coal mine.

The report states that there are no mine entries located within 20 metres of the property or the boundary of the property. There are no recorded treatment details for the former mine entries.

The report highlights that the site is situated within the boundary of two mine entries 20m of the site or the boundary of the site (Appendix D). **It is highlighted that there are possible ancient shallow coal mining working within the likely zone of influence on the surface in the vicinity of the property, for which no accurate plans or records exist and there are possible workings in minerals other than coal.**

The report concludes by stating that old workings are present but all settlement is likely to have completed long ago. In their opinion it is unlikely that coal will be worked in the foreseeable future.

Previous desk studies by Capita Symonds and WYG indicate the area around the site is known for iron and haematite mining. The Capita Symonds report outlines a single shaft on Birks Road was used for the mining of both coal and iron ore. The report also indicates the shafts within the site were both mined for iron ore and coal. The shaft in the south portion of the site is identified as Berrier Mine and worked iron ore, this mine also has connections to other mines in the area. Other mines in the area are reported to have been used for iron and haematite mining.

The Envirocheck Report indicates that there are twenty-seven BGS recorded Mineral Sites located within 1km of the site. The nearest is located 273m southwest of the site with the commodity listed as Iron ore – Haematite.

The site is not within 1km of a Non-Coal mining area of Great Britain.

The site is not within 1km of a Man-Made Mining Cavity.

The site is not within 1km of a Natural Cavity or a Brine Compensation area.

5.6 Geological Hazards and Instability

The Envirocheck report presents the maximum hazard ratings of ground stability hazards located on site as follows:

- Negligible hazard is posed by Shrinking or Swelling Clay and Compressible Ground Stability Hazards
- Very low hazard is posed by Landslides, Running sand and Collapsible Ground Stability Hazards
- Low hazard is posed by Ground Dissolution Stability Hazards

5.7 Hydrogeology

Using the Environment Agency's Policy and Practice for the Protection of Groundwater the solid geology beneath the site is classified as a Secondary Aquifer – A. The overlying drift is classified as Secondary Aquifer – Undifferentiated.

The groundwater vulnerability is categorised as Secondary Superficial Aquifer – Low Vulnerability and Secondary Bedrock Aquifer – Low Vulnerability.

The site does not lie within a Source Protection Zone.

The Envirocheck Report indicates that there are one Water Abstractions located within 1km of the site. The is located 986m northeast of the site and its start date is reported as December 1965.

5.8 Hydrology

The nearest surface water feature is located 88m northeast of the site.

The Envirocheck Report states there are one Licensed Discharge Consents entries within 500m of the site. This is located 137m northeast of the site. The effective date is reported as February 1987 and the revocation date is reported as July 1993.

The Envirocheck Report states there are two Records of Water Industry Act Referrals (potentially harmful discharges to the public sewer) located within 500m of the site. The nearest is located 321m northwest of the site and is dated February 2000. The status is reported as Application received by the EA but is not yet authorised.

5.9 Flooding

The Envirocheck Report states the site is not at risk of Flooding or Extreme Flooding from Rivers and the Seas without defences, however based on fluvial models the land 83m northeast of the site is shown to be at risk.

The Envirocheck Report indicates that there are no flood defences, flood water storage areas or areas benefiting from flood defences and flood storage present within 250m of the site.

The Envirocheck Report states that there is Limited Potential for Groundwater Flooding to Occur.

5.10 Sensitive Land Use

The site does not lie within 2km of any form of Designated Environmentally Sensitive Sites or Protected Areas.

5.11 Radon Gas

The site is in a Higher Probability Radon Affected Area, as 10 to 30% of properties are above the Action Level.

In accordance with the procedure described in BRE Publication BR211 Radon: Guidance on Protective Measures for New Dwellings, **full radon protection measures** are necessary for new buildings or extensions on the site.

6 CONCEPTUAL SITE MODEL

6.1 General

Based on the information presented in the preceding Sections, and in accordance with the LCRM guidance noted in Section 1, a Preliminary Conceptual Site Model has been produced.

The main features of the model are discussed in the following sections together with preliminary

recommendations where appropriate.

6.2 Likely Ground Conditions

It is expected that, based on available information, ground conditions are likely to be made ground comprising areas of both topsoil and hardstanding. The surface deposits are likely to be underlain by further fill materials, likely to consist of construction/demolition waste. Made ground is likely to be deepest in the centre of the site, which was possibly quarried previously. The drift deposits on site are likely to comprise of glacial till deposits overlying a sandstone and limestone bedrock.

6.3 Potential Buried Obstructions

Based on the site history, buried obstructions are expected. Relic foundations, railway sleepers, cobbles, bricks, buried tanks and stone blocks are the most likely obstructions.

6.4 Mining Assessment

The site is within a Coal Mining Reporting Area as defined by the Coal Authority.

The general guidance and good practice for assessing if a seam is within influencing distance to the surface is if rock cover (not including made ground and drift) is greater than 10x the worked thickness of the coal seam, then generally no void migration will reach the interface of the rock and drift deposits/made ground and thus no instability via a crown hole tyre collapse will occur.

From the Coal Mining Report, there are no known recorded worked coal seams, however the report outlines the potential for ancient shallow coal mine workings, as well as workings in minerals other than coal. Based on the information in the WYG and Capita Symonds Desk Studies, as well as the Geological/Historical mapping, the additional workings are likely to relate to haematite mining beneath the site.

In addition, the Coal Mining Report outlines the presence of two shafts on, or adjacent to, the site, neither of which have any information available regarding treatment. In light of these risks, it is recommended that further investigation is undertaken. Given the location of the mine entries, a departure distance needs to be obtained from the Coal Authority, along with a 'Mine Entry Assessment Report' (£75). Based on the findings of this, further works comprising a geophysical survey (potentially) and intrusive works, via slip trenching, will be required to target and prove the mine shaft locations.

With respect to the shallow coal workings, and the haematite workings, it is recommended that a minimum of six open rotary boreholes are drilled to ca. 30.00-50.00mbgl as part of any site investigation for the new development. The boreholes are necessary to investigate potential voids, collapsed workings and possible weak/broken areas of rock due to mine workings underlying the proposed new development.

6.5 Preliminary Geotechnical Assessment

Pending no adverse findings from the rotary drilling, given the expected ground conditions noted in the sections above, the use of strip or pad foundations for the new development is anticipated at present. Where loose made ground or soft/loose natural deposits are encountered, foundations will need to be taken through the made ground/disturbed ground into underlying natural strata of adequate bearing capacity.

Should the rotary boreholes record adverse findings of voids/broken rock beneath the proposed building footprint, it may be necessary to implement structural precautions in the foundations such as raft or reinforced strips, or potentially, grouting of the site may be necessary.

Trees are present around the site perimeter and therefore foundations may need deepening in accordance with NHBC Standards Chapter 4.2.

Due to the slopes currently present on the site, some earthworks comprising cut and fill and possibly retaining structures may be required to create a level surface for the development, should the existing flat level need extending.

For the proposed new road – which is currently agricultural fields – the foundations will consist of suitably compacted and graded fill to be used to form a sub-base, base and binding course beneath the road surface

course. The road design and choice of materials should be undertaken in line with the guidance “Specification for Highway Works”.

The above suggestions should be regarded as tentative until Phase 2 intrusive works are undertaken and information is available regarding design loads and development layout.

6.6 Preliminary Contamination Assessment

The desk study has shown that the site may have been exposed to some contamination, with construction/demolition waste and possibly oils or fuel from vehicle spills/tank leakages the most likely source local to the structures. Asbestos may also be present on the site from previous building cladding and roofing.

In view of the current and future site use, chemical contamination testing is considered necessary. The following chemical testing suite should be considered for selected soil samples:

TABLE 2: POTENTIAL PRIORITY CONTAMINANTS

Inorganic Contaminants	Organic Contaminants
Antimony, Arsenic, Boron, Cadmium, Chromium, Lead, Mercury, Nickel, Zinc, Selenium, Free Cyanide, Soluble Sulphate, pH, Asbestos	Phenol, Organic Matter, speciated PAH, TPH CWG

It should be noted that the above potential contaminants are considered to be commonly associated with the specified past land uses of the site, and adjacent land use. Risk assessment should be undertaken for contamination identified during intrusive investigation.

Potential pathways which link the potential contaminants to end users of the site and controlled waters (receptors) include the following:

- Ingestion of soil (outdoors) / dust (indoors)
- Skin contact with soil (outdoors) / dust (indoors)
- Inhalation of dust (outdoors and indoors)
- Contamination via buried water pipes
- Surface water run-off, including via existing drainage infrastructure
- Downward infiltration of leachable contaminants to groundwater

6.7 Potential Sources of Ground Gas

Ground gases such as carbon dioxide and methane can be classed as a form of contamination. Potential sources of ground gases include:

- Made Ground
- Quarries & Infilled Ponds
- Landfill (on and off-site)
- Coal measures

Based on historical map evidence and consideration of the sites environmental setting the table below shows a preliminary comparison of *consequence* against *probability* where ground gas is considered a potential threat to human health.

TABLE 3: POTENTIAL GROUND GAS POLLUTION LINKAGES

Potential Sources	Potential Pathway	Receptor
Made ground (CO ₂ , CO and CH ₄). Mine workings (CO ₂ , CO and CH ₄) and stythe gas or oxygen depletion. Landfills (CO ₂ and CH ₄). Sewage Works (CO ₂ and CH ₄).	Ingress and Accumulation into buildings from vertical and horizontal migration	Future users of site are likely to include adults and children. Construction workers (in particular utility workers).
Preliminary Comparison of Consequence versus Probability		
	Classification	Justification
Probability <i>(Based on Table 8.1, CIRIA C665, 2007)</i>	MEDIUM LIKELIHOOD	Ground gas from made ground.
		Landfills located within 1km radius of the site.
		Coal mining in area.
Consequence <i>(Based on Table 8.2, CIRIA C665, 2007)</i>	MEDIUM	Commercial development.
	Risk	Details
Consequence vs. Probability <i>(Based on Table 8.3, CIRIA C665, 2007)</i>	LOW/MODERATE RISK	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the long term. <i>(Based on Table 8.4, CIRIA C665, 2007)</i>

Given the conditions noted above a ground gas assessment is considered necessary for the site to observe standing groundwater levels and to allow measurements to be made of hazardous gases and/or contamination levels in groundwater. Monitoring should be undertaken following site works on a minimum of four occasions over one month.

6.8 Risk Assessment for Contaminated Land

As part of this Phase 1 Desk Study, a preliminary conceptual model and risk assessment is produced. This assessment should be revised following the Phase 2 Site Investigation outlining a qualitative risk assessment. Should there be unacceptable risks to the various receptors/end-users following the Phase 2 works, then a remediation strategy may be required to outline measures to satisfy Part 2A of the Environmental Protection Act (1990). The above measures are in line with Environment Agency *Land Contamination Risk Management*, which replaced the now-withdrawn Contaminated Land Report 11 – *Model Procedures for the Management of Land Contamination* (2004).

The results of the chemical contamination testing as part of the Phase 2 investigation should be compared to a current Land Quality Management (LQM) – Sutable 4 Use Levels (S4UL) December 2014.

6.9 Conceptual Site Model

The conceptual model collates the salient aspects of the site to form a model which should enable comparison after fieldwork and testing. This model identifies the potential pollution linkages that may influence the proposed development and geotechnical considerations.

The risk ratings are based on the current potential liabilities and likely potential future liabilities. The risks posed by the geotechnical and contamination aspects of the site will be revised following site works, and any mitigating action required added.

The Preliminary Conceptual Model has been undertaken in accordance with CIRIA C552. The Preliminary Conceptual Model assesses the consequence and the likelihood of a risk being realised to provide a risk classification, which is then used to produce the Preliminary Conceptual Model. Full details of the tables used to assess consequence, likelihood and risk classification are presented in Appendix F.

TABLE 4: PRELIMINARY CONCEPTUAL MODEL

Source	Pathway	Receptor	Risk Rating	Comments
Asphyxiating or explosive ground gases - Made ground - Landfills within 250m - Radon Affected Area	Ground gas migration - Migration through permeable soils - Inhalation	Future site users Transient adult workers	Moderate /Low	Gas monitoring recommended. Six visits over three months proposed.
		Users during development Construction workers	Low	
Areas of contamination - Potential contaminants in made ground - Potential demolition/construction waste - Former Goods Station on-site - Possible former quarry on-site - Tank noted in northwest of the site	- Inhalation - Dust ingestion - Dermal contact	Future site users Transient adult workers	Moderate /Low	Mitigated by proposed structure hard standing – no gardens proposed.
		Users during development Construction workers	Moderate /Low	Contamination testing required to determine risks posed during construction. Consideration to be given to Health and Safety Executive Guidance. <i>Protection of Workers and the General Public During the Development of Contaminated Land.</i>
	- Inhalation - Dust ingestion	Users of surrounding sites Transient/residential adult workers	Low	Potential low risk during construction from dust generation. Contamination testing required to quantify the risks.
	Leaching of mobilised contaminants	Solid geology Secondary Aquifer – A	Very Low	Low sensitivity aquifer located beneath low permeability drift deposits
		Drift geology Secondary Aquifer – Undifferentiated	Very Low	Low sensitivity aquifer unlikely to contain significant groundwater
	- Drainage - Lateral migration - Accumulation of contaminated sediment	Surface water features Nearest 88m northeast	Low	Very limited potential for contamination from site to reach surface water, either via surface run-off or groundwater movement.
	Uptake via roots and leaf surfaces	Vegetation None proposed	Very Low	Very low potential for Vegetation impact due to commercial nature of development.
	Areas of contamination above service fabric or BRE Special Digest 1 thresholds	Direct contact	Construction Materials Concrete	Moderate
Direct contact		Construction Materials Service Fabric	Moderate	Consideration to be given to Pipe Material Table (Appendix E) during Site Investigation

7 PROPOSED PHASE TWO INTRUSIVE WORKS

A Phase 2 Site Investigation should be undertaken to verify the assumptions made in the Preliminary Conceptual Site Model and to provide data for foundation design.

An outline ground investigation strategy is summarised below, based on the preliminary conceptual site model and information obtained during the desk study.

It is recommended that any site investigation works are undertaken following the demolition of the existing structures, or alternatively a split-phase investigation could be undertaken, with post-demolition works undertaken at a later date.

7.1 Site Investigation Rationale

The Conceptual Model highlights that there is potential for contamination on the site. Therefore, an intrusive investigation should be undertaken with the sampling strategies outlined within BS10175:2011 +A1:2013 and CLR4:1994. These strategies can be considered as:

- Non targeted (BS10175) – If no obvious hotspots or potential sources of contamination have been outlined in the desk study, it would be recommended to utilise a stratified random pattern of sampling locations.
- Targeted (CLR4) – If a possible hotspot is suspected on the site, it is recommended to adopt a targeted approach to sample the immediate vicinity of the hotspot. Highly focussed sampling consisting of several samples within the area of the hotspot may be necessary to delineate the extent of the hotspot.

These strategies can be employed either separately or in conjunction and any site investigation should be individually tailored to each site.

The density of sampling required is defined within BS10175 which notes that the density required is dependent on a number of factors including confidence and robustness required, and contaminants, pathways and receptors present.

7.2 Site Specific Sampling Rationale

The analysis of the historical maps and the Conceptual Model has highlighted that specific point sources of contamination may be present, or may historically have been present, on the site. It is recommended that a targeted approach is utilised in order to prove and delineate the extent of these hotspots. The hotspots outlined for targeted analysis are detailed below.

TABLE 5: HOTSPOT INVESTIGATION LOCATIONS

Proposed Exploratory Method	Possible Hotspot
Boreholes (ca 5.00mbgl) and Trial Pits (ca.3.00mbgl)	Historical fuel tank in the northwest of the site. Recommended location for a gas monitoring well.
Boreholes (ca. 5.00mbgl)	Possible infilled pond/quarry. Recommended location for a gas monitoring well.
Trial Pits (ca.3.00mbgl)	Historic railway lines.

In addition to the proposed targeted approach, it is recommended that the remainder of the site away from the hotspots is investigated using a non-targeted approach.

The chemical testing proposed for the site is outlined in Section 6.6.

7.3 Proposed Methods of Investigation

The methods of investigation outlined within Table 6 are considered necessary to address the risks outlined within the Conceptual Model. The locations of these investigation positions will be set out in line with the

proposed sampling methodology outlined in Section 7.2.

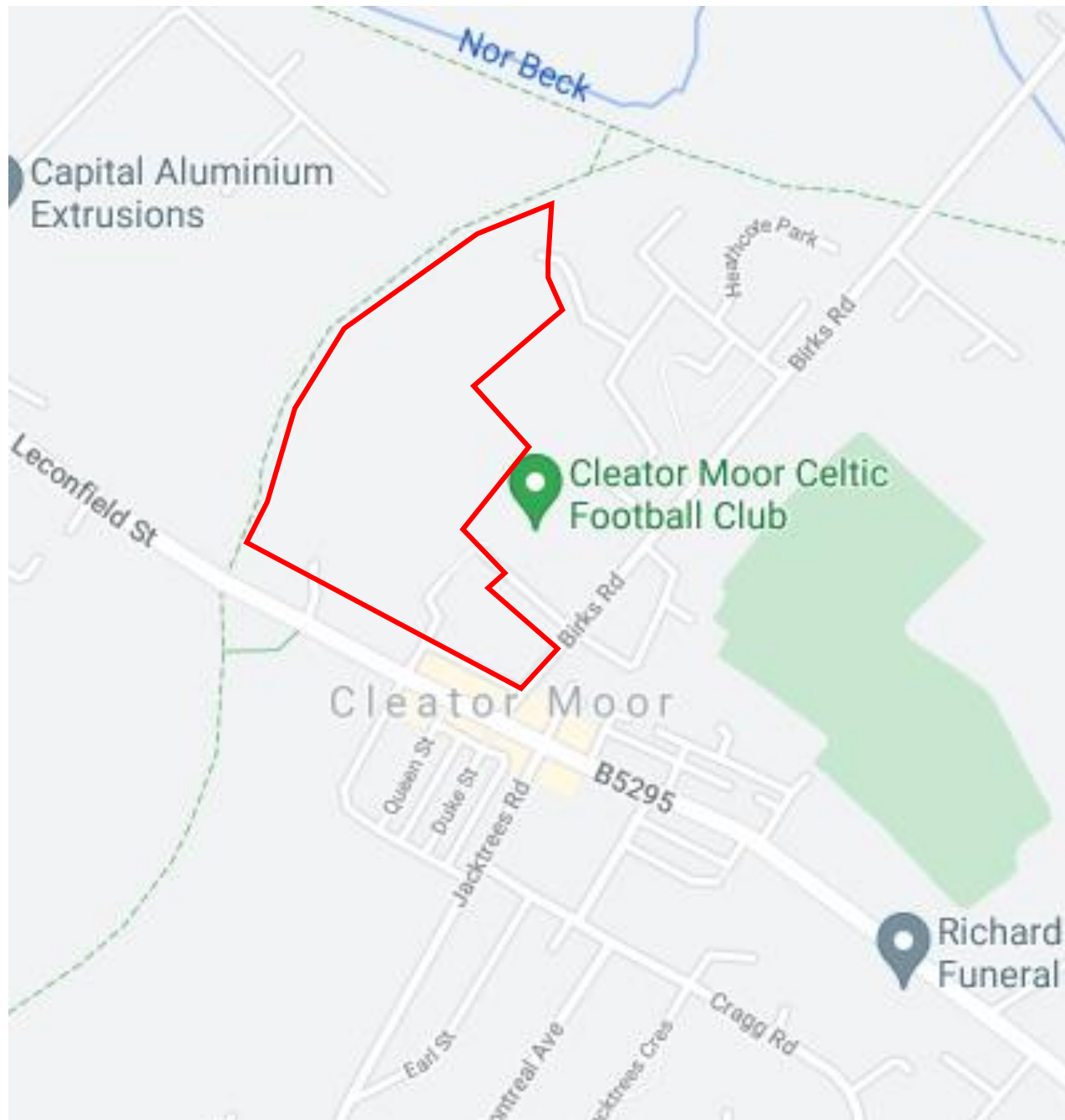
TABLE 6: SITE INVESTIGATION RECOMMENDATIONS

Proposed method of investigation	Purpose	Comments
Hand dug trial pits	Hand dug trial pits to 1.20mbgl to ensure positions are clear of underground services.	To be undertaken prior to the drilling of all boreholes and following CAT scanning and service plan inspection.
Potential geophysical Survey	To determine the location and condition of the mine shafts on the site.	To be undertaken prior to any intrusive work to locate the shafts.
Potential slip trenches to c.3.00m	To investigate the locations of mine shafts.	• Ensure positions are CAT scanned and service plans inspected prior to any excavation.
A series of small percussive boreholes to ca. 6.00mbgl	• To determine shallow ground conditions. • To collect soil samples for geotechnical and chemical testing. • To observe soils profile, localised variations in materials and presence of groundwater.	• Ensure positions are CAT scanned and service plans inspected prior to any excavation. • Hand vanes to be taken in cohesive deposits. • SPT samples in granular strata and rock head. • Disturbed and jar samples to be undertaken for chemical testing.
Trial pitting to ca. 3.00mbgl	• To assess the shallow ground conditions and obtain samples for chemical testing. • To undertake insitu hand shear vanes. • To undertake soakaway tests and insitu CBR testing.	• Ensure positions are CAT scanned and service plans inspected prior to investigation. Trial pits required to accompany the boreholes.
Gas/groundwater monitoring wells	To observe standing groundwater levels and to allow measurements to be made of hazardous gases and/or contamination levels in groundwater.	Monitoring to be undertaken following site works on a minimum of six occasions.
A series of rotary boreholes drilled to ca. 30-50.00mbgl (minimum of 6no. boreholes)	The boreholes are necessary to investigate potential voids and possible weak/broken areas of rock due to mine workings underlying the proposed new structure.	Ensure positions are CAT scanned and service plans inspected prior to excavation.
Chemical testing	To allow the potential risks identified within the conceptual model to be addressed.	Chemical soils and leachates testing to cover potential priority contaminants from Table 2.
Geotechnical testing	To confirm material properties and to provide concrete classification of materials.	Tests may include sulphate analysis, pH, moisture content, Atterberg limit determination, particle size distribution tests and triaxial testing. Further tests may be required depending on the materials encountered.

SOLMEK

Appendix A

Maps and Photographs

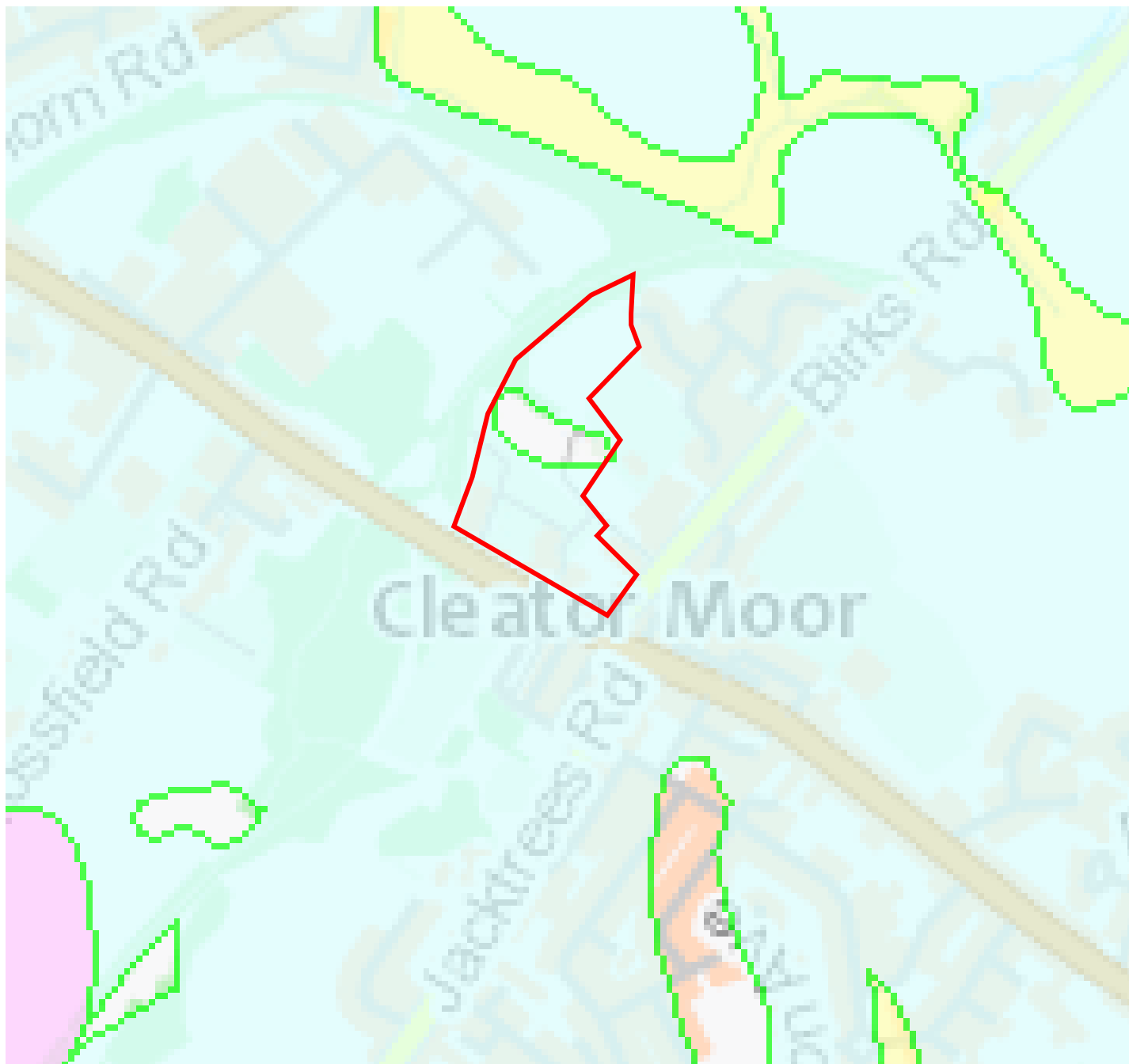


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Title
Site Location Map
Project
Site C, Cleator Moor
Client
Copeland Borough Council
Date
September 2021
Fig No.
Figure 1
Scale
Scale on map
Key
Site Boundary N
Solmek Ltd. 12 Yarm Road Stockton-on-Tees TS18 3NA Tel: +44 (0) 1642 607083 Fax: +44 (0) 1642 612355 e-mail: south@solmek.com www.solmek.com  SOLMEK

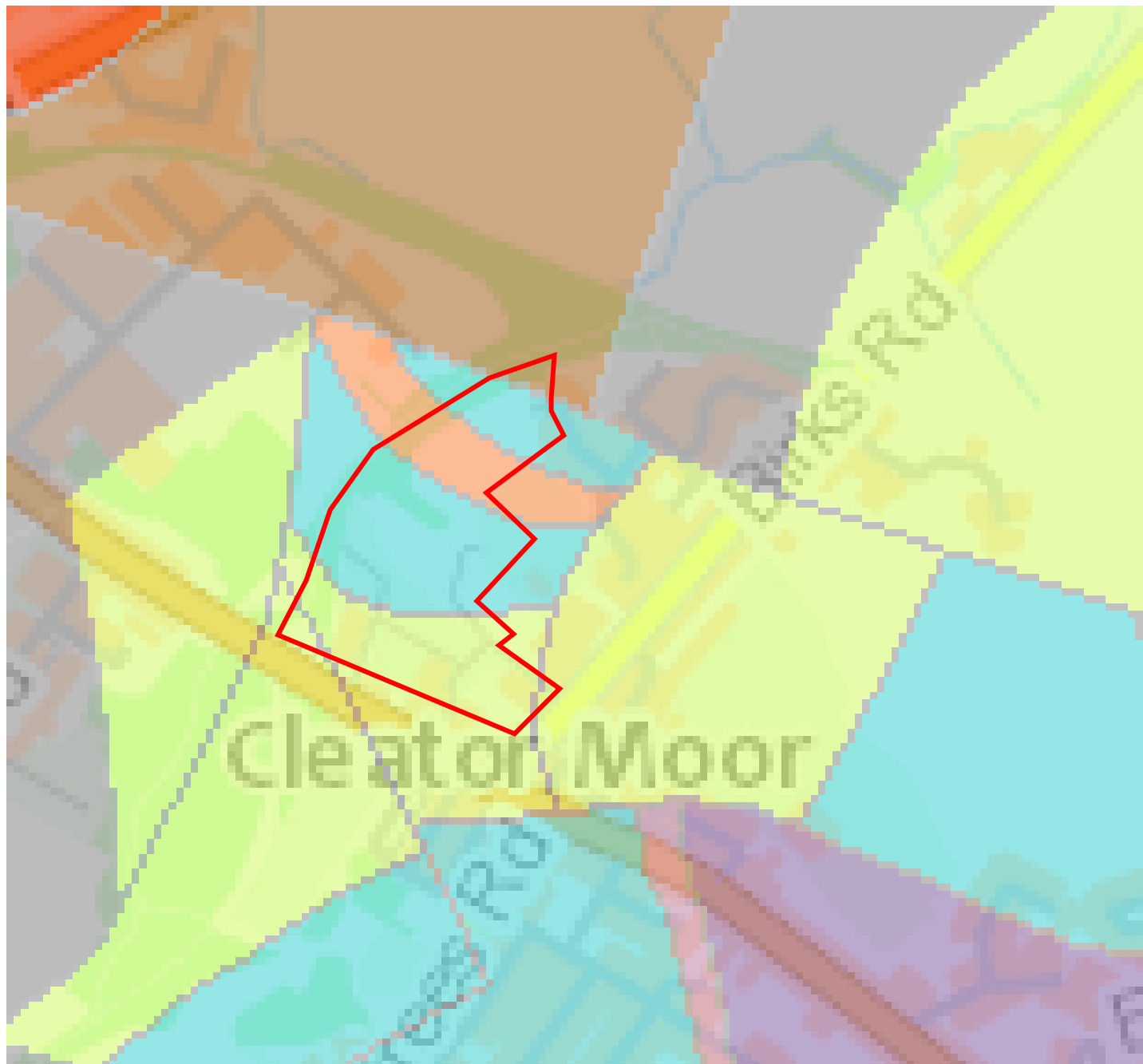


Title
Site Location Plan
Project
Site C, Cleator Moor
Client
Copeland Borough Council
Date
September 2021
Fig No.
Figure 2
Scale
Scale on map
Key
Site Boundary
N
Solmek Ltd. 12 Yarm Road Stockton-on-Tees TS18 3NA Tel: +44 (0) 1642 607083 Fax: +44 (0) 1642 612355 e-mail: south@solmek.com www.solmek.com SOLMEK



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Title	Drift Geology Map
Project	Site C, Cleator Moor
Client	Copeland Borough Council
Date	September 2021
Fig No.	Figure 3
Scale	Scale on map
Key	Site Boundary Glacial Till Alluvium Glaciofluvial Deposits – Sand and Gravel N
Solmek Ltd. 12 Yarm Road Stockton-on-Tees TS18 3NA Tel: +44 (0) 1642 607083 Fax: +44 (0) 1642 612355 e-mail: south@solmek.com www.solmek.com  SOLMEK	



Title	Solid Geology Map
Project	Site C, Cleator Moor
Client	Copeland Borough Council
Date	September 2021
Fig No.	Figure 4
Scale	Scale on map
Key	 Site Boundary  Stainmore Formation  Eskett Limestone Formation  Orebank Sandstone  Whitehaven Sandstone Formation  Pennine Middle Coal Measures – Mudstone, Siltstone & Sandstone  N
Solmek Ltd. 12 Yarm Road Stockton-on-Tees TS18 3NA Tel: +44 (0) 1642 607083 Fax: +44 (0) 1642 612355 e-mail: south@solmek.com www.solmek.com  SOLMEK	

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Photo 1: Photo taken looking south across site.



Photo 2: Photo taken showing north access to site.

Title	Date	Solmek Ltd. 12 Yarm Road Stockton-on-Tees TS18 3NA Tel: +44 (0) 1642 607083 Fax: +44 (0) 1642 612355 e-mail: south@solmek.com www.solmek.com  SOLMEK
Site Walkover Photos	September 2021	
Project	Figure No.	
Site C, Cleator Moor	5	
Client		
Copeland Borough Council		



Photo 3: Photo taken looking north across site.



Photo 4: Photo taken looking east across site.

Title	Date	Solmek Ltd. 12 Yarm Road Stockton-on-Tees TS18 3NA Tel: +44 (0) 1642 607083 Fax: +44 (0) 1642 612355 e-mail: south@solmek.com www.solmek.com  SOLMEK
Site Walkover Photos	September 2021	
Project	Figure No.	
Site C, Cleator Moor	6	
Client		
Copeland Borough Council		



Photo 5: Photo taken looking south across site.



Photo 6: Photo taken looking northeast across site.

Title	Date	Solmek Ltd. 12 Yarm Road Stockton-on-Tees TS18 3NA Tel: +44 (0) 1642 607083 Fax: +44 (0) 1642 612355 e-mail: south@solmek.com www.solmek.com  SOLMEK
Site Walkover Photos	September 2021	
Project	Figure No.	
Site C, Cleator Moor	7	
Client		
Copeland Borough Council		

Appendix B

Historical Maps

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

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

1:10,000 Raster Mapping

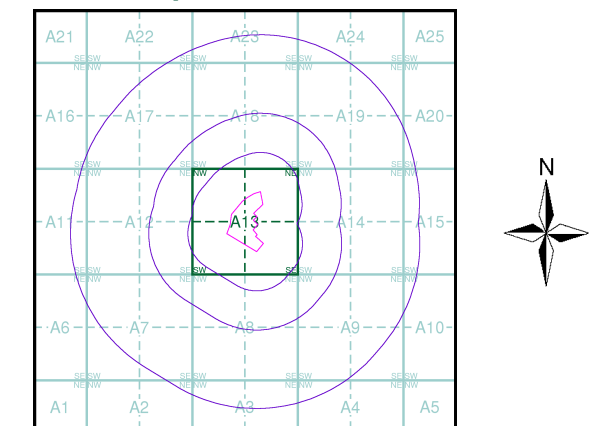
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil,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



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cumberland	1:10,560	1867	2
Cumberland	1:10,560	1900	3
Cumberland	1:10,560	1926	4
Cumberland	1:10,560	1938	5
Ordnance Survey Plan	1:10,000	1956 - 1957	6
Ordnance Survey Plan	1:10,000	1971	7
Ordnance Survey Plan	1:10,000	1993	8
10K Raster Mapping	1:10,000	2000	9
Street View	Variable		10

Historical Map - Slice A



Order Details

Order Number: 283884381_1_1
Customer Ref: S210805
National Grid Reference: 301850, 515310
Slice: A
Site Area (Ha): 4.92
Search Buffer (m): 1000

Site Details

Flat, 73A, High Street, CLEATOR MOOR, CA25 5BW

Landmark
INFORMATION GROUP

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



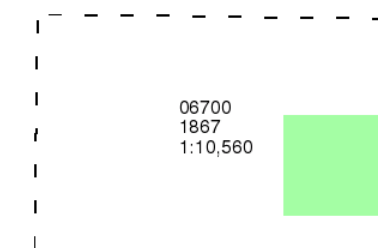
Cumberland

Published 1867

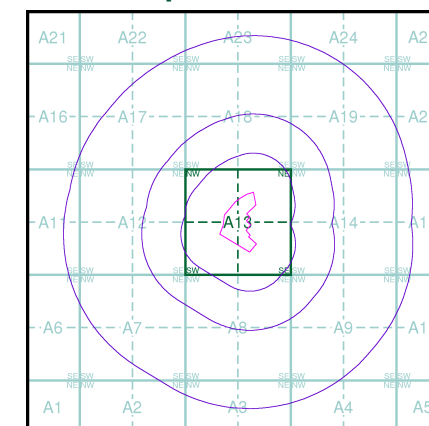
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

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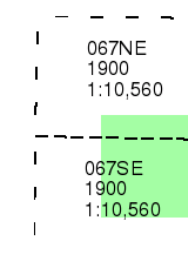
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Published 1900

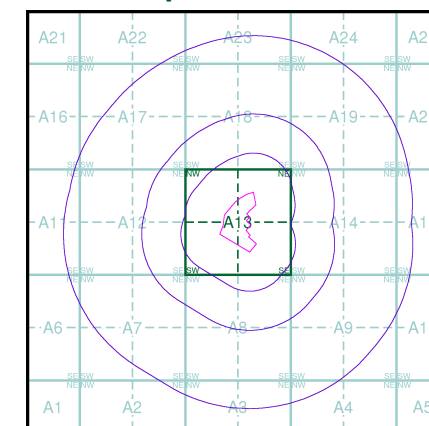
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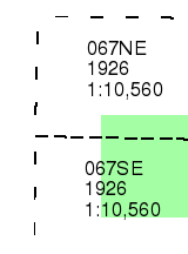
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Published 1926

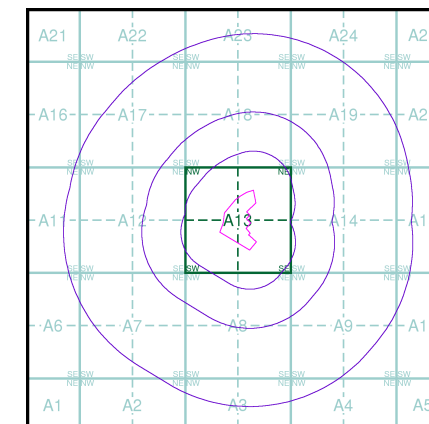
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Historical Map - Slice A



Order Details

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National Grid Reference: 301850, 515310
Slice: A
Site Area (Ha): 4.92
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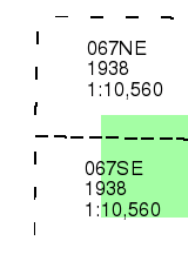
Cumberland

Published 1938

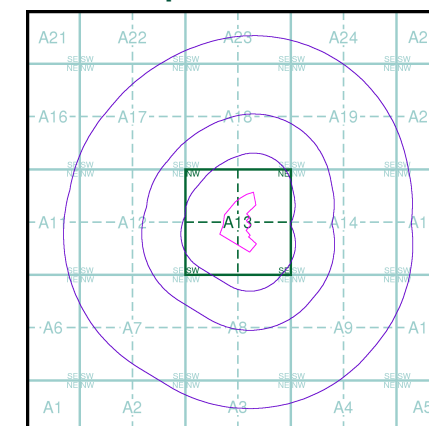
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 283884381_1_1
Customer Ref: S210805
National Grid Reference: 301850, 515310
Slice: A
Site Area (Ha): 4.92
Search Buffer (m): 1000

Site Details

Flat, 73A, High Street, CLEATOR MOOR, CA25 5BW

Landmark
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Tel: 0844 844 9952
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Ordnance Survey Plan

Published 1956 - 1957

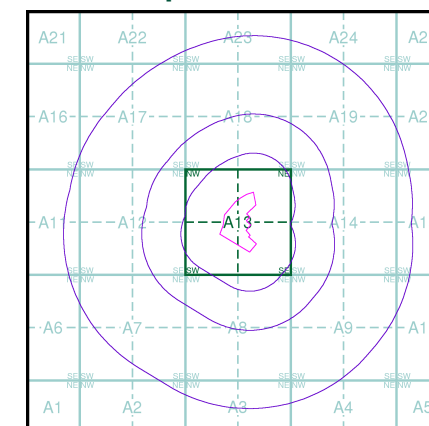
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Map Name(s) and Date(s)

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1:10,560	
NY01SW	1956
1:10,560	

Historical Map - Slice A



Order Details

Order Number: 283884381_1_1
Customer Ref: S210805
National Grid Reference: 301850, 515310
Slice: A
Site Area (Ha): 4.92
Search Buffer (m): 1000

Site Details

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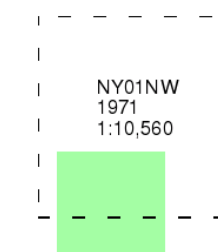
Ordnance Survey Plan

Published 1971

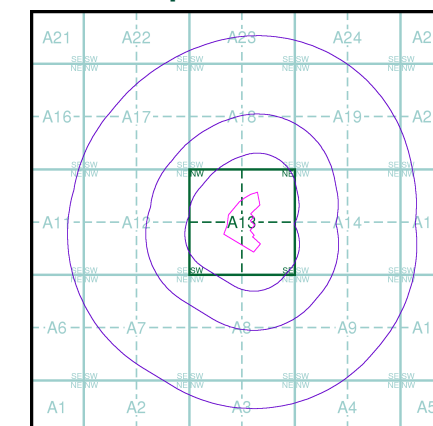
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

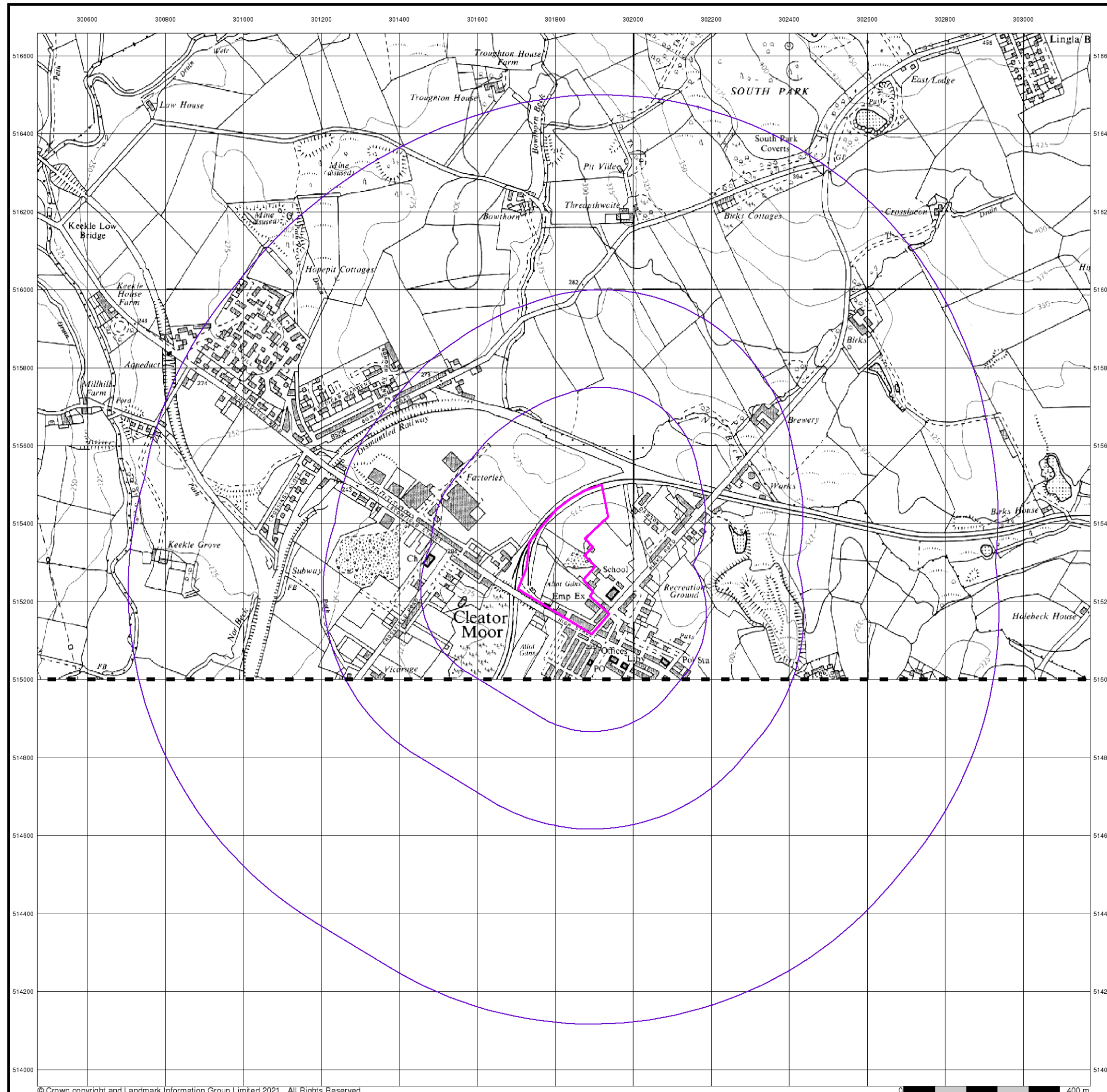
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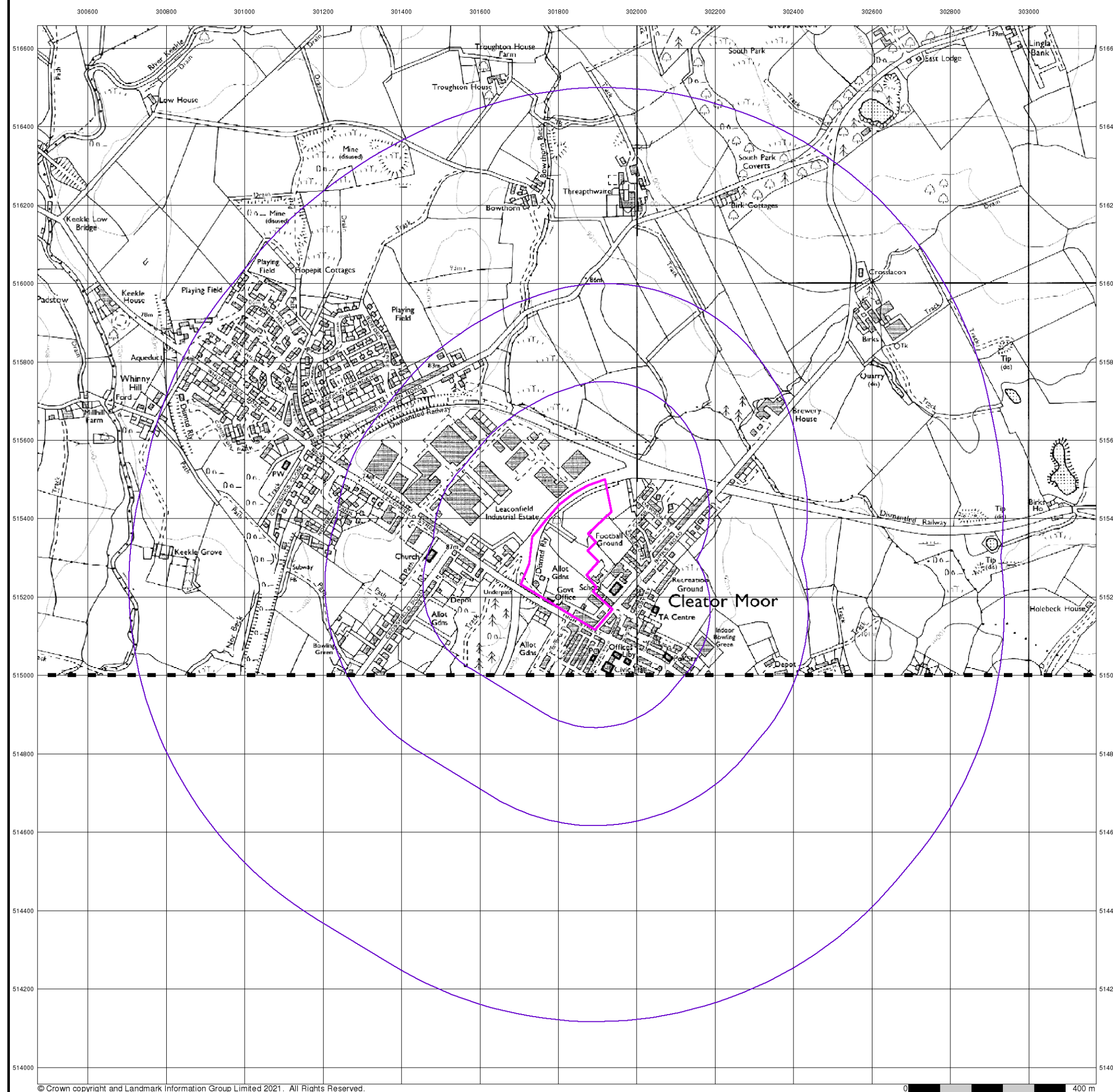
Site Details

Flat, 73A, High Street, CLEATOR MOOR, CA25 5BW

Landmark
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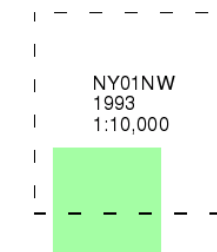
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Published 1993

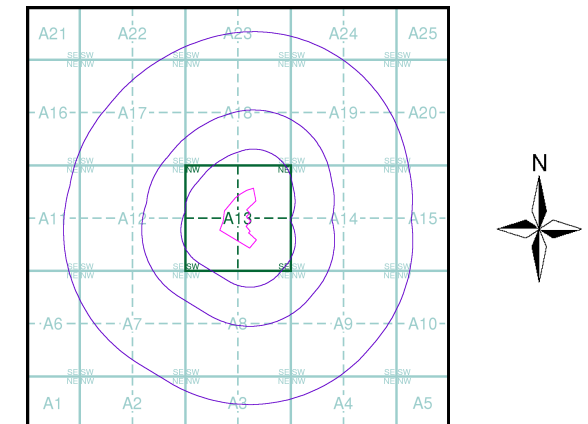
Source map scale - 1:10,000

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 A



Order Details

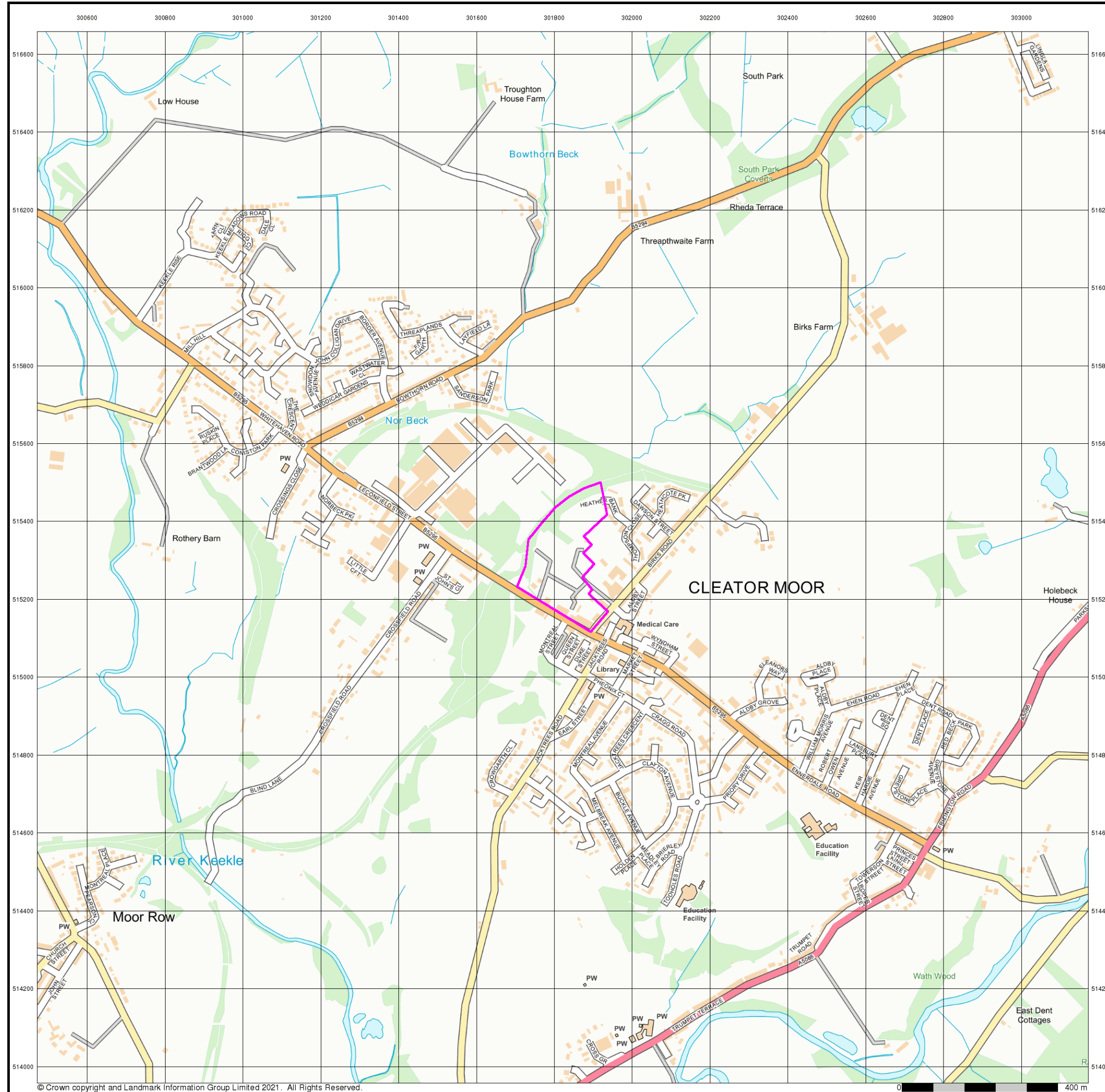
Order Number: 283884381_1_1
Customer Ref: S210805
National Grid Reference: 301850, 515310
Slice: A
Site Area (Ha): 4.92
Search Buffer (m): 1000

Site Details

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Street View

Published 2021

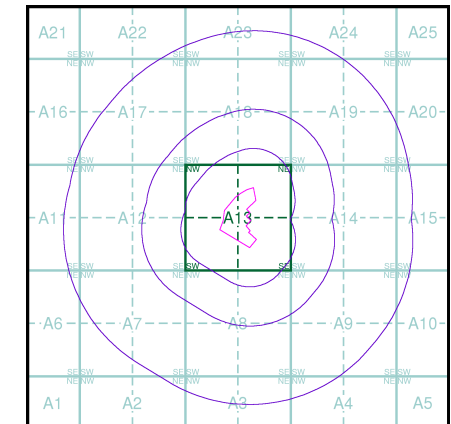
Source map scale - 1:10,000

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: 283884381_1_1
Customer Ref: S210805
National Grid Reference: 301850, 515310
Slice: A
Site Area (Ha): 4.92
Search Buffer (m): 1000

Site Details

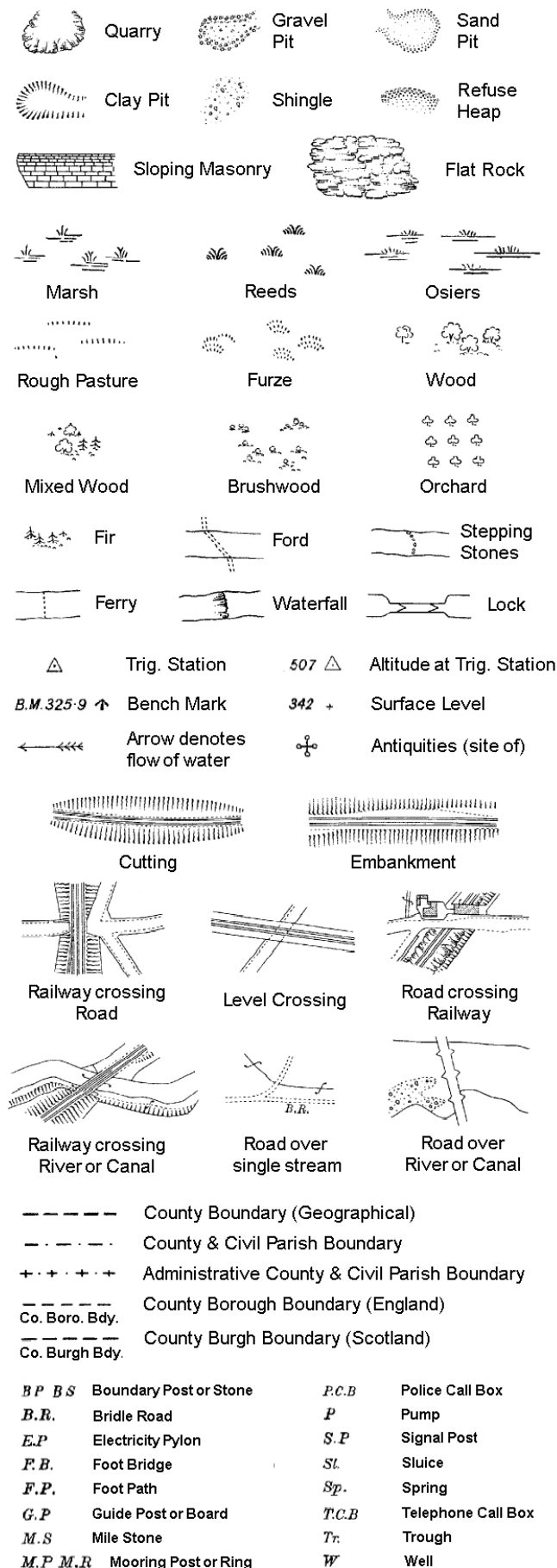
Flat, 73A, High Street, CLEATOR MOOR, CA25 5BW



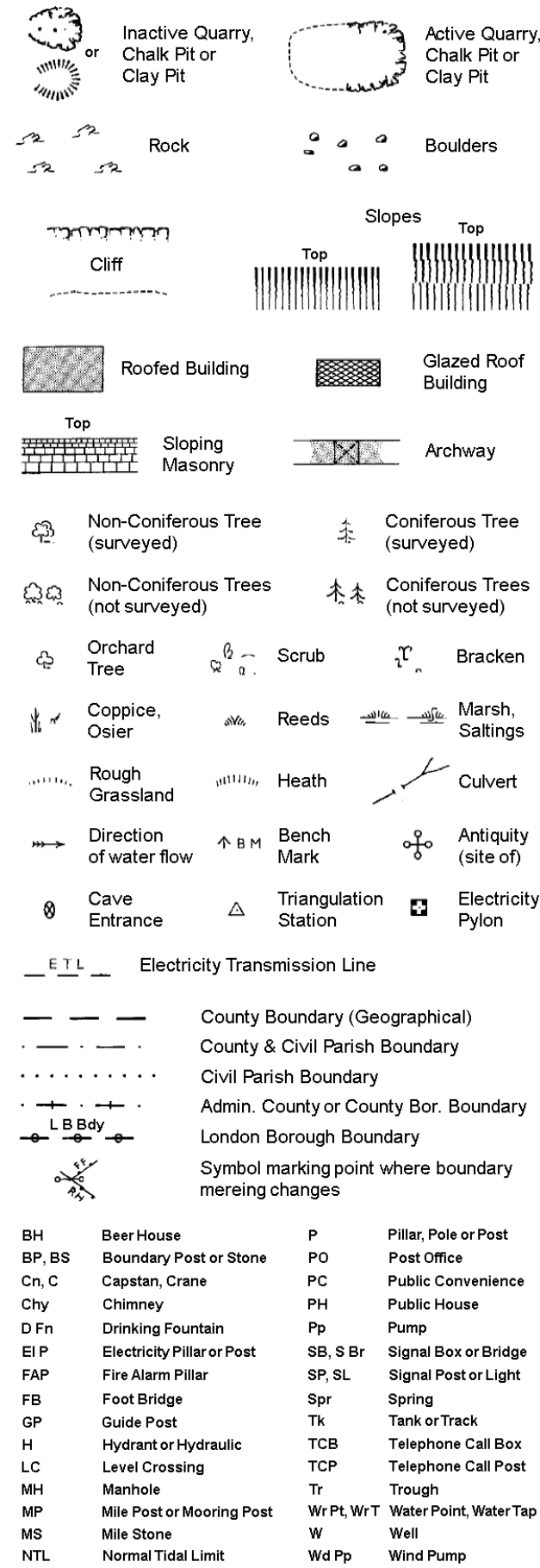
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Web: www.envirocheck.co.uk

Historical Mapping Legends

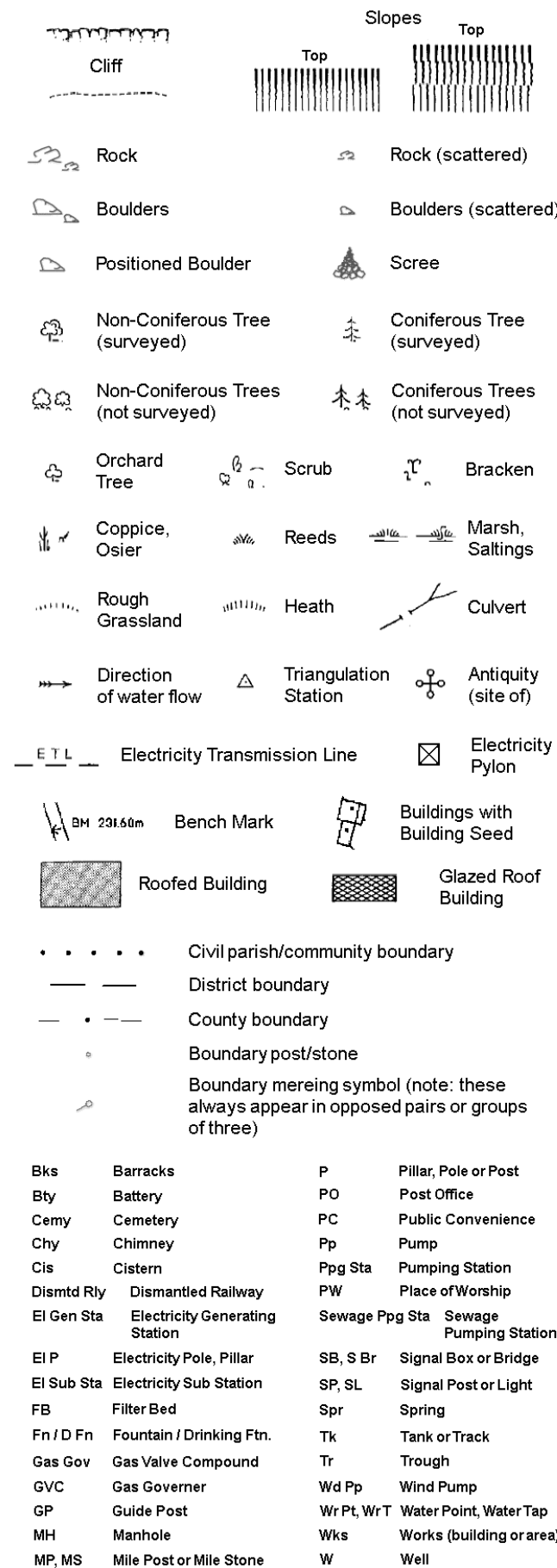
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



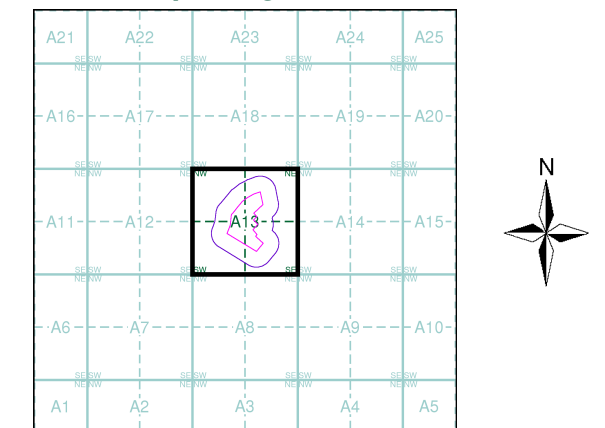
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cumberland	1:2,500	1863	2
Cumberland	1:2,500	1899	3
Cumberland	1:2,500	1925	4
Ordnance Survey Plan	1:2,500	1962	5
Additional SIMs	1:2,500	1962 - 1982	6
Ordnance Survey Plan	1:2,500	1967 - 1970	7
Ordnance Survey Plan	1:2,500	1985 - 1989	8
Additional SIMs	1:2,500	1985	9
Additional SIMs	1:2,500	1991	10
Large-Scale National Grid Data	1:2,500	1994	11
Large-Scale National Grid Data	1:2,500	1995	12
Large-Scale National Grid Data	1:2,500	1995	13
Large-Scale National Grid Data	1:2,500	1996	14

Historical Map - Segment A13



Order Details

Order Number: 283884381_1_1
Customer Ref: S210805
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Slice: A
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Search Buffer (m): 100

Site Details

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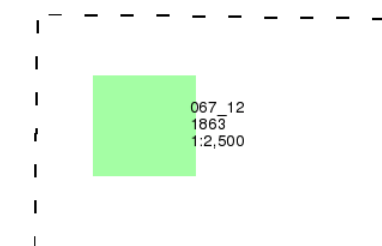
Cumberland

Published 1863

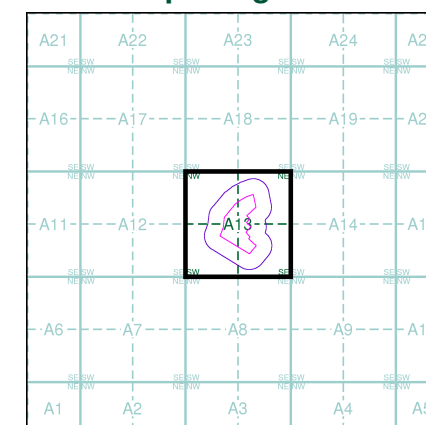
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13

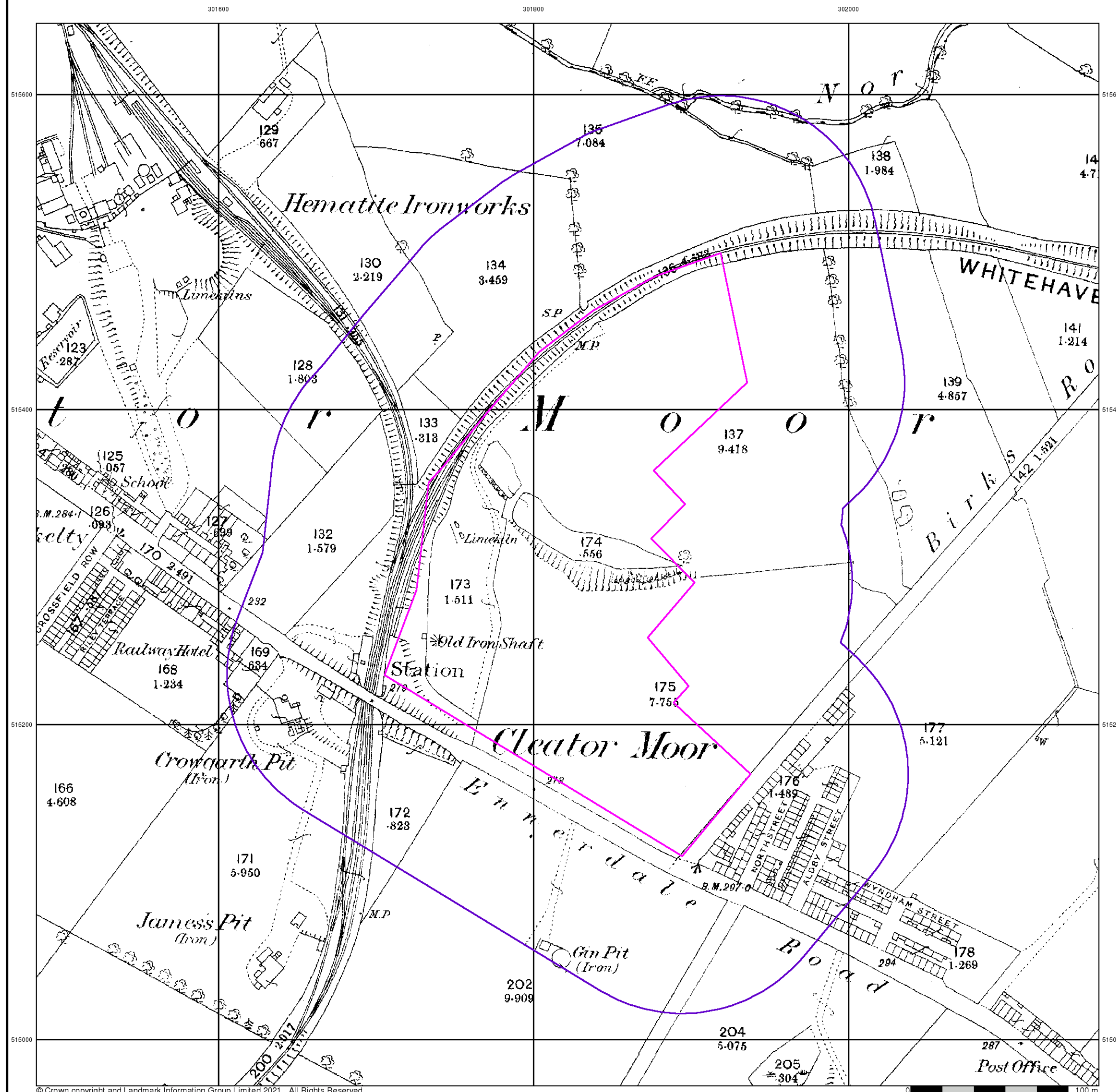


Order Details

Order Number: 283884381_1_1
Customer Ref: S210805
National Grid Reference: 301850, 515310
Slice: A
Site Area (Ha): 4.92
Search Buffer (m): 100

Site Details

Flat, 73A, High Street, CLEATOR MOOR, CA25 5BW



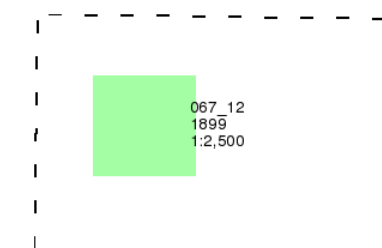
Cumberland

Published 1899

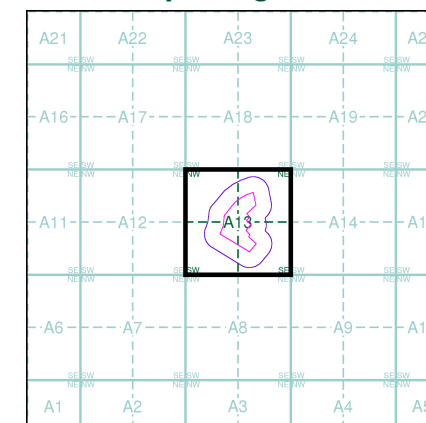
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13

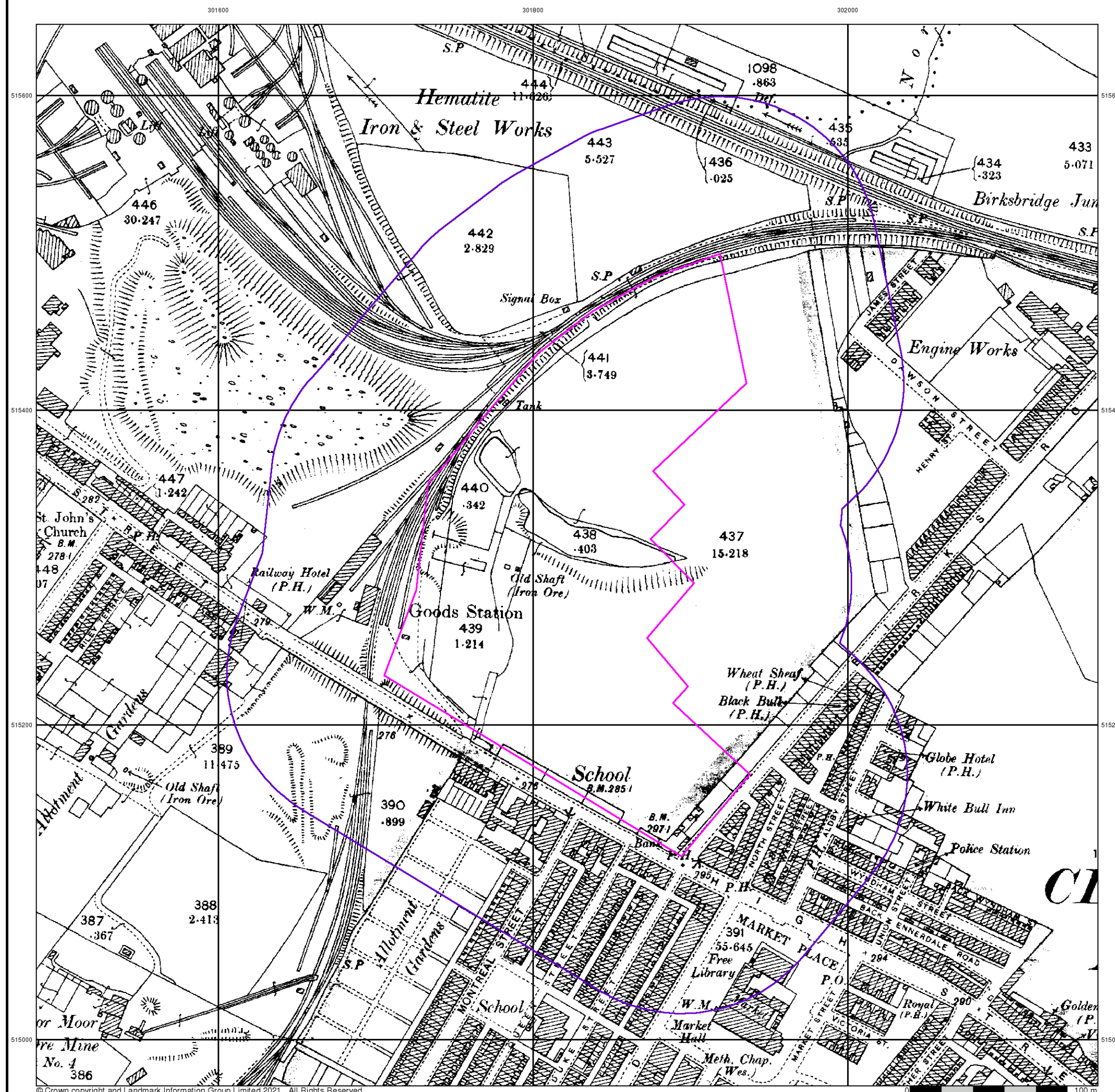


Order Details

Order Number: 283884381_1_1
Customer Ref: S210805
National Grid Reference: 301850, 515310
Slice: A
Site Area (Ha): 4.92
Search Buffer (m): 100

Site Details

Flat, 73A, High Street, CLEATOR MOOR, CA25 5BW





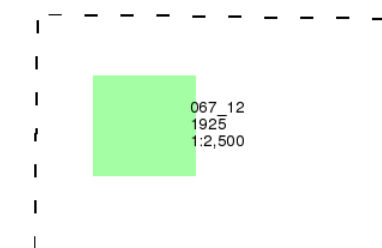
Cumberland

Published 1925

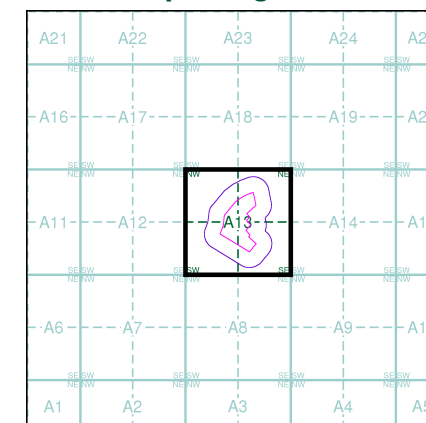
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

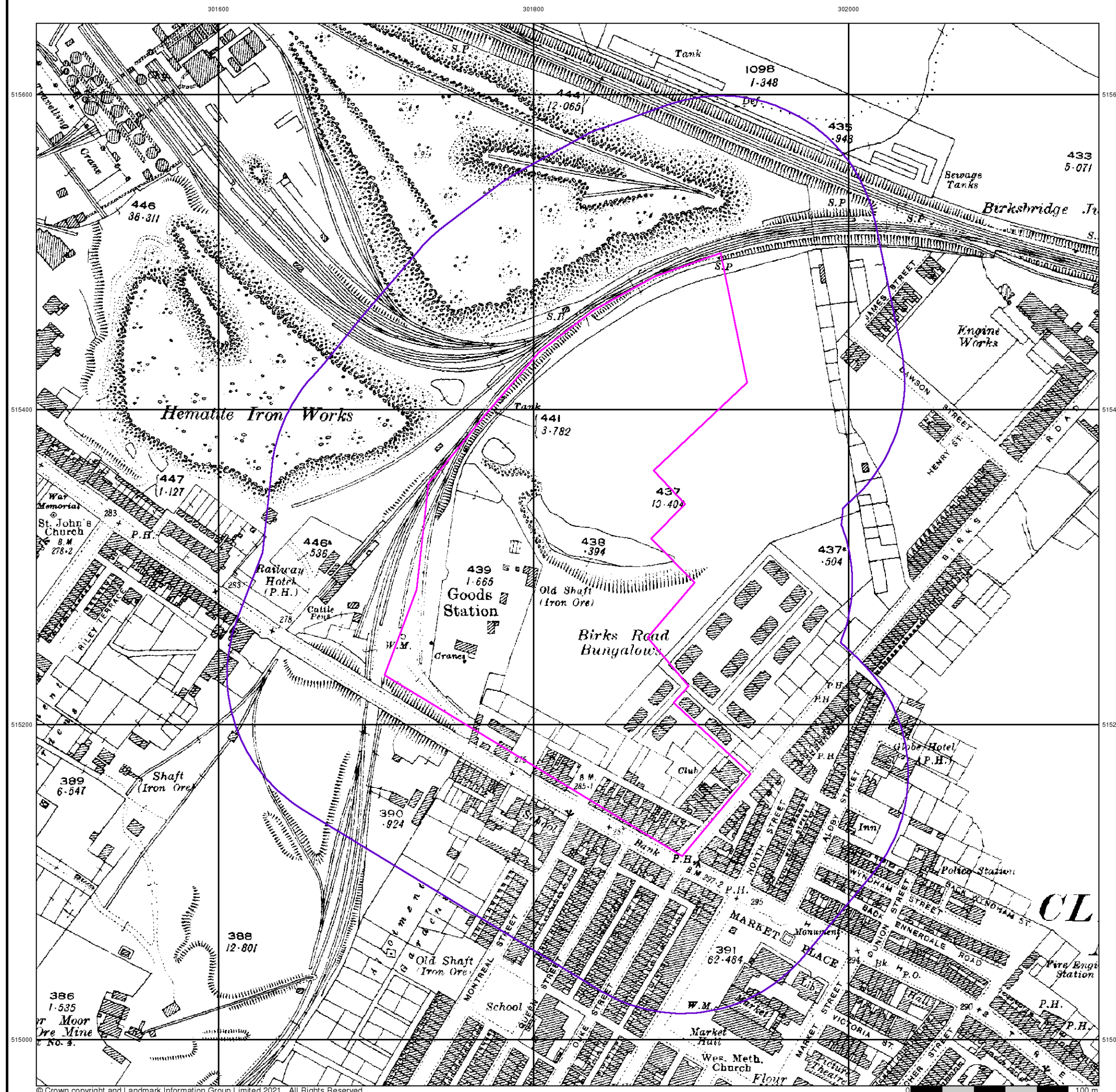
Order Number: 283884381_1_1
Customer Ref: S210805
National Grid Reference: 301850, 515310
Slice: A
Site Area (Ha): 4.92
Search Buffer (m): 100

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Additional SIMs

Published 1962 - 1982

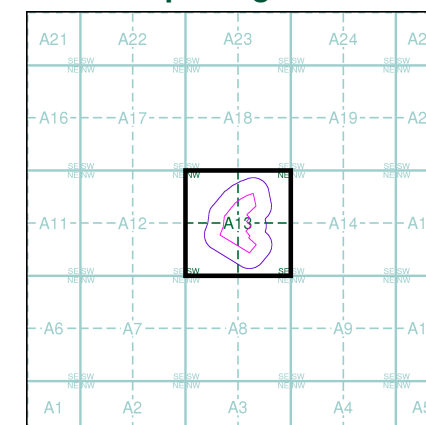
Source map scale - 1:2,500

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)

NY0115 1982 12,500	NY0215 1962 12,500
NY0114 1979 12,500	NY0214 1981 12,500

Historical Map - Segment A13



Order Details

Order Number: 283884381_1_1
Customer Ref: S210805
National Grid Reference: 301850, 515310
Slice: A
Site Area (Ha): 4.92
Search Buffer (m): 100

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Ordnance Survey Plan

Published 1985 - 1989

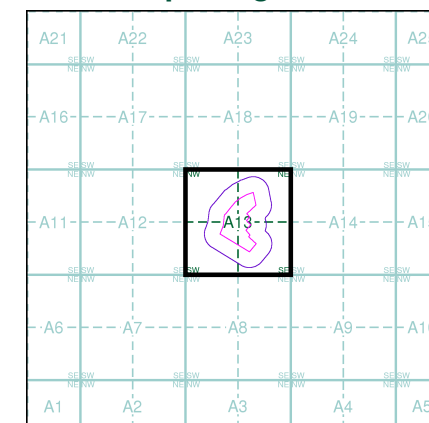
Source map scale - 1:2,500

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)

NY0115	1989	1:2,500
NY0114	1985	1:2,500

Historical Map - Segment A13

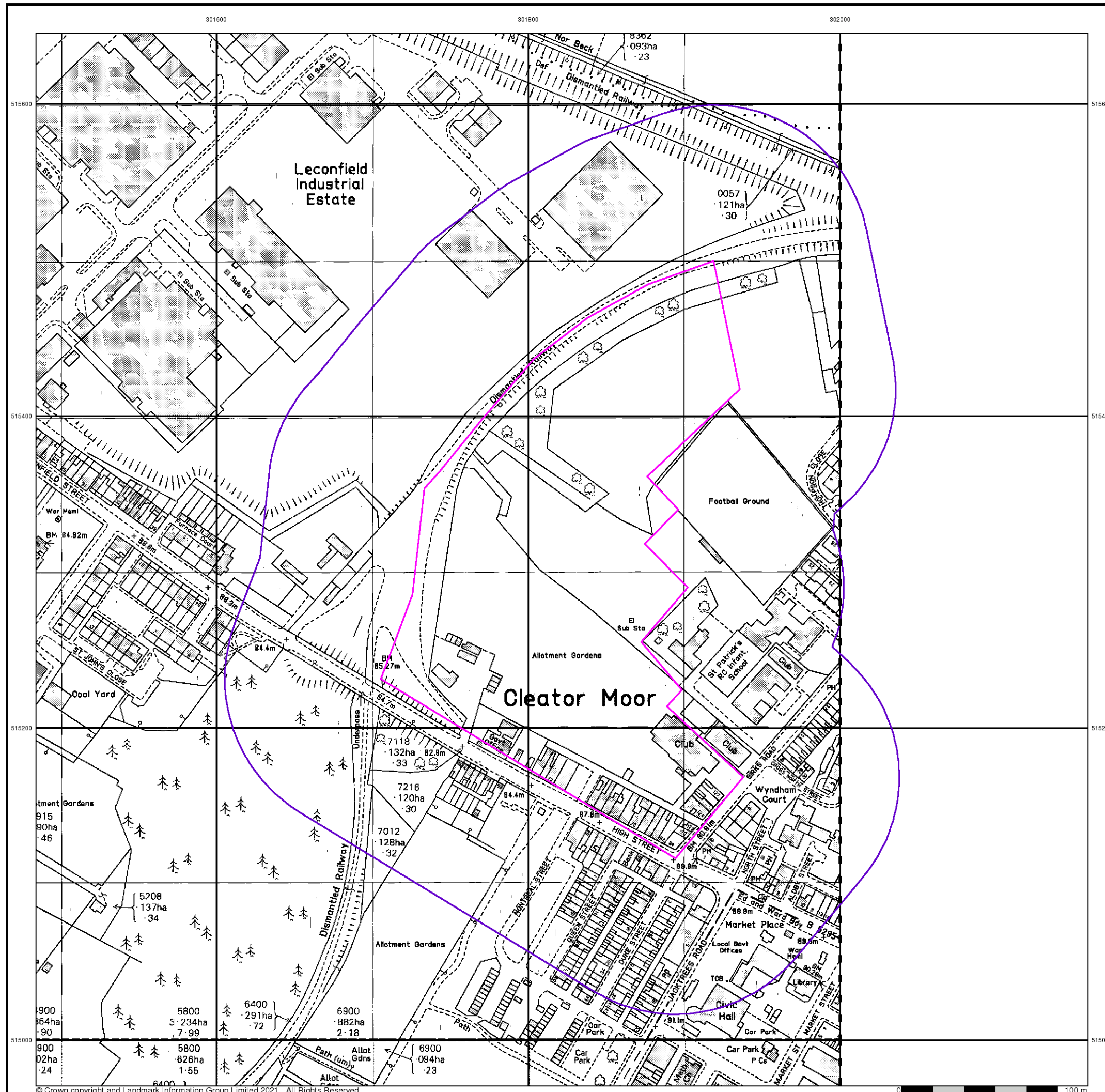


Order Details

Order Number: 283884381_1_1
 Customer Ref: S210805
 National Grid Reference: 301850, 515310
 Slice: A
 Site Area (Ha): 4.92
 Search Buffer (m): 100

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Large-Scale National Grid Data

Published 1994

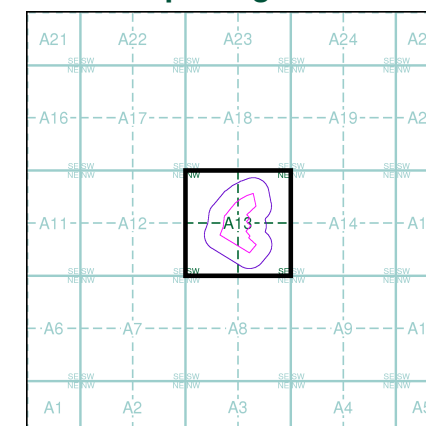
Source map scale - 1:2,500

'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)

NY0115 1994 12,500	NY0215 1994 12,500
NY0114 1994 12,500	NY0214 1994 12,500

Historical Map - Segment A13



Order Details

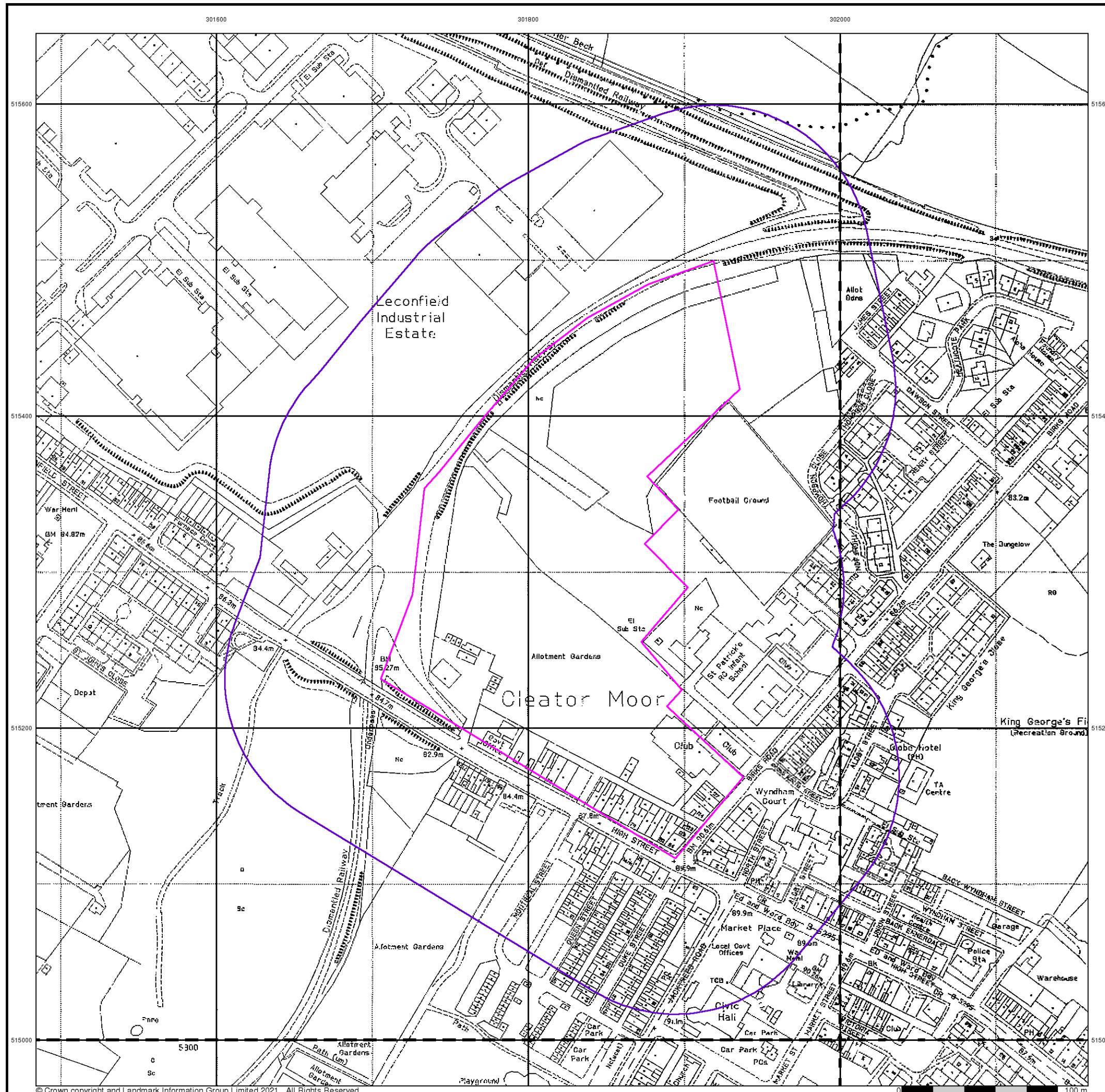
Order Number: 283884381_1_1
Customer Ref: S210805
National Grid Reference: 301850, 515310
Slice: A
Site Area (Ha): 4.92
Search Buffer (m): 100

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Large-Scale National Grid Data

Published 1995

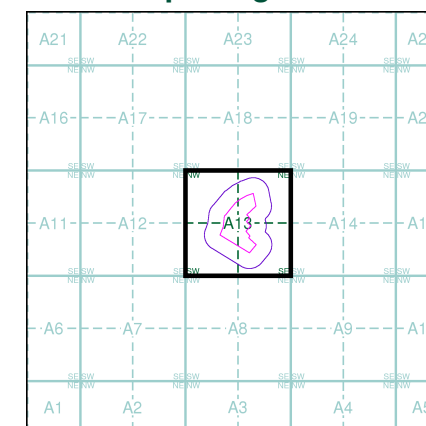
Source map scale - 1:2,500

'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)

NY0115 1995 12,500	
NY0114 1995 12,500	NY0214 1995 12,500

Historical Map - Segment A13



Order Details

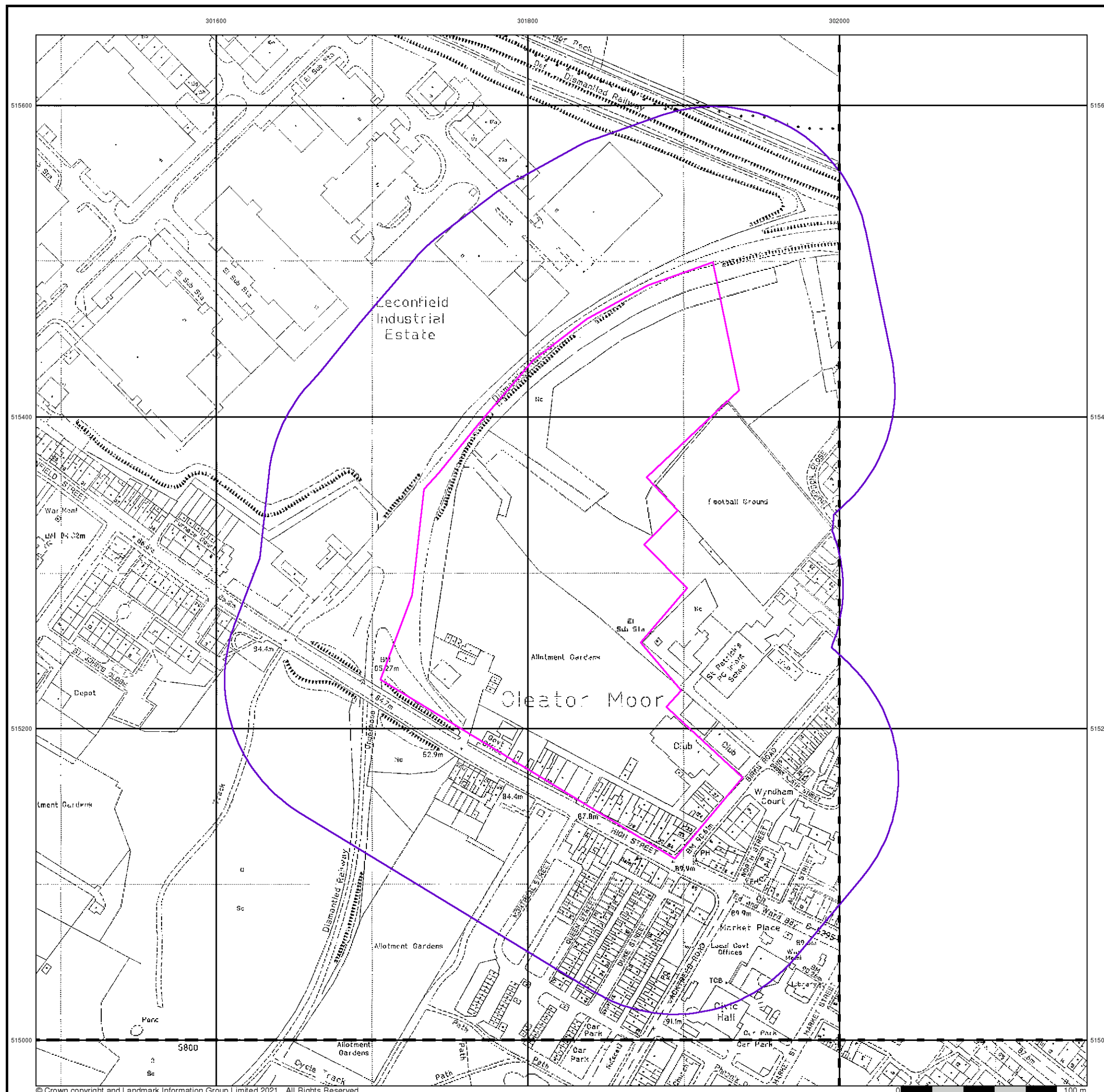
Order Number: 283884381_1_1
Customer Ref: S210805
National Grid Reference: 301850, 515310
Slice: A
Site Area (Ha): 4.92
Search Buffer (m): 100

Site Details

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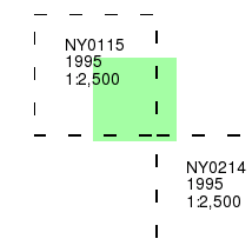
Large-Scale National Grid Data

Published 1995

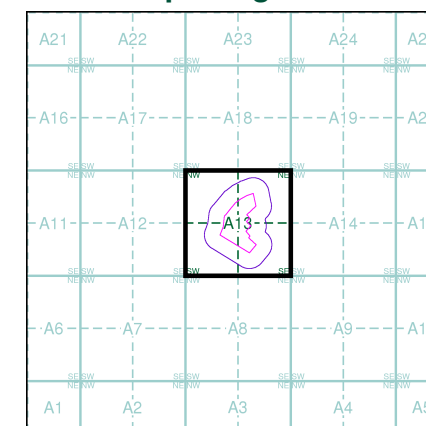
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

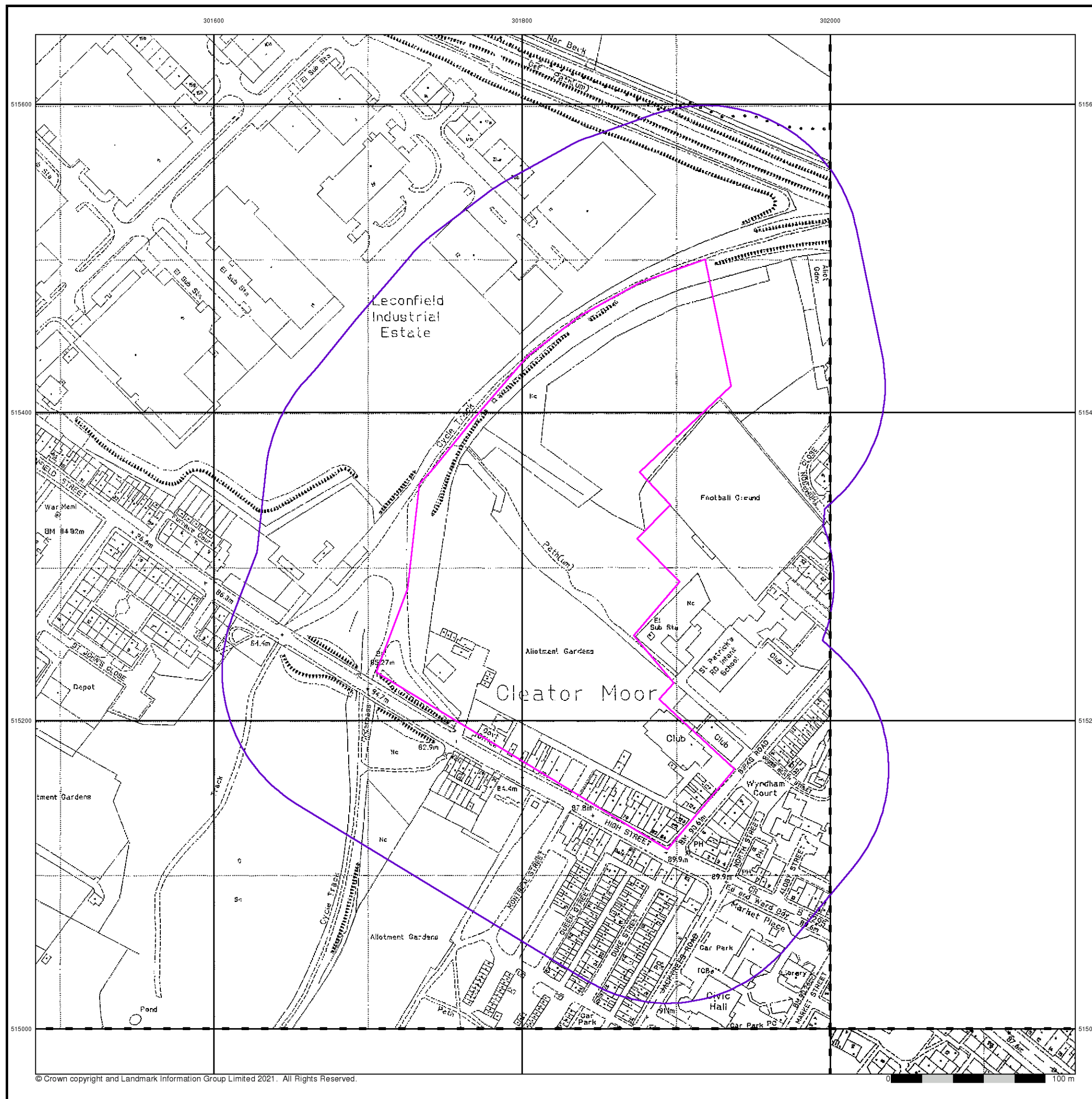
Order Number: 283884381_1_1
Customer Ref: S210805
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Slice: A
Site Area (Ha): 4.92
Search Buffer (m): 100

Site Details

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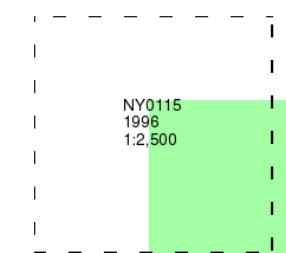
Large-Scale National Grid Data

Published 1996

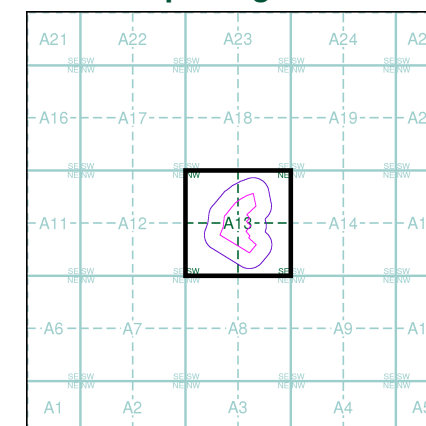
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

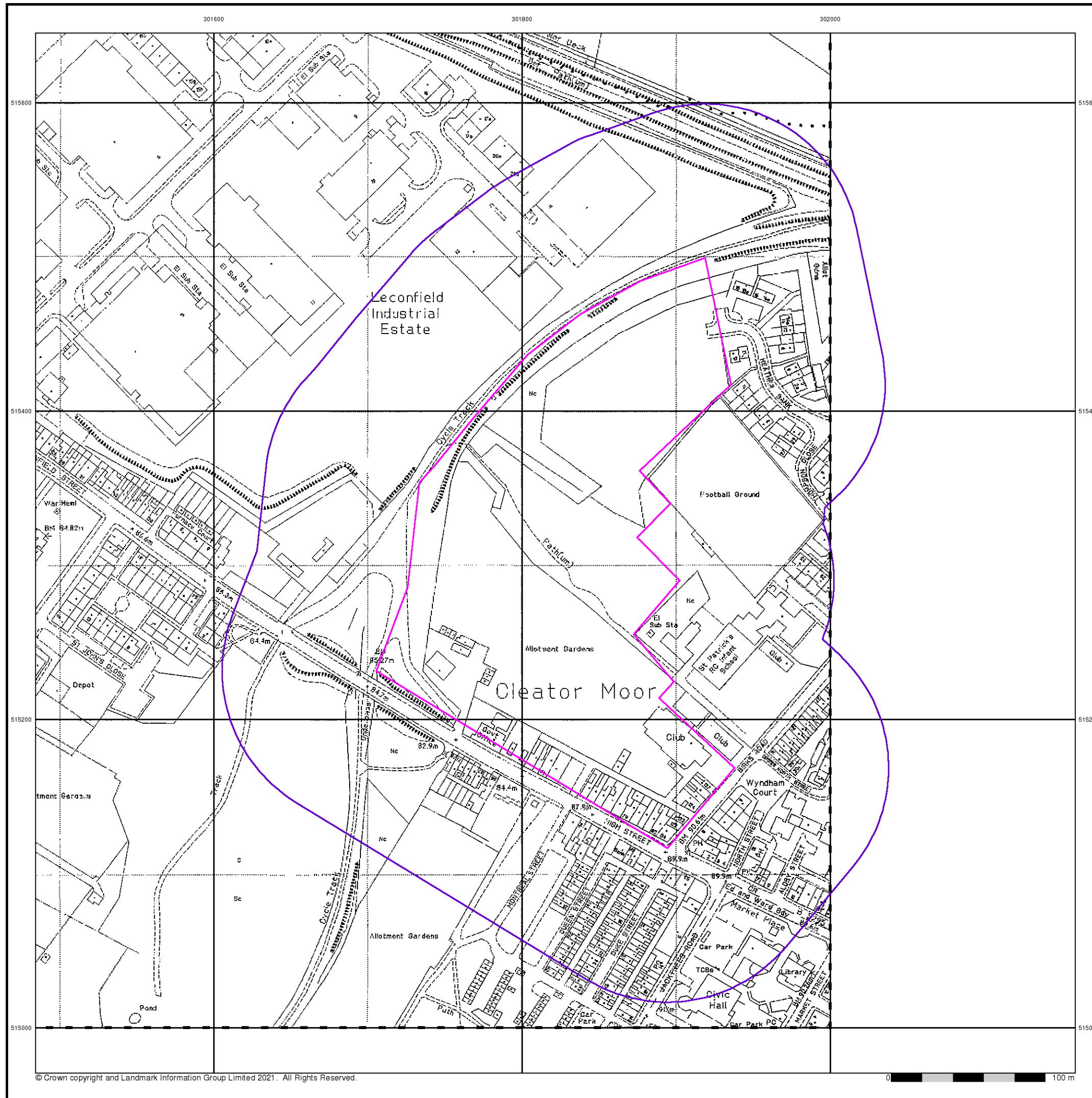
Order Number: 283884381_1_1
Customer Ref: S210805
National Grid Reference: 301850, 515310
Slice: A
Site Area (Ha): 4.92
Search Buffer (m): 100

Site Details

Flat, 73A, High Street, CLEATOR MOOR, CA25 5BW

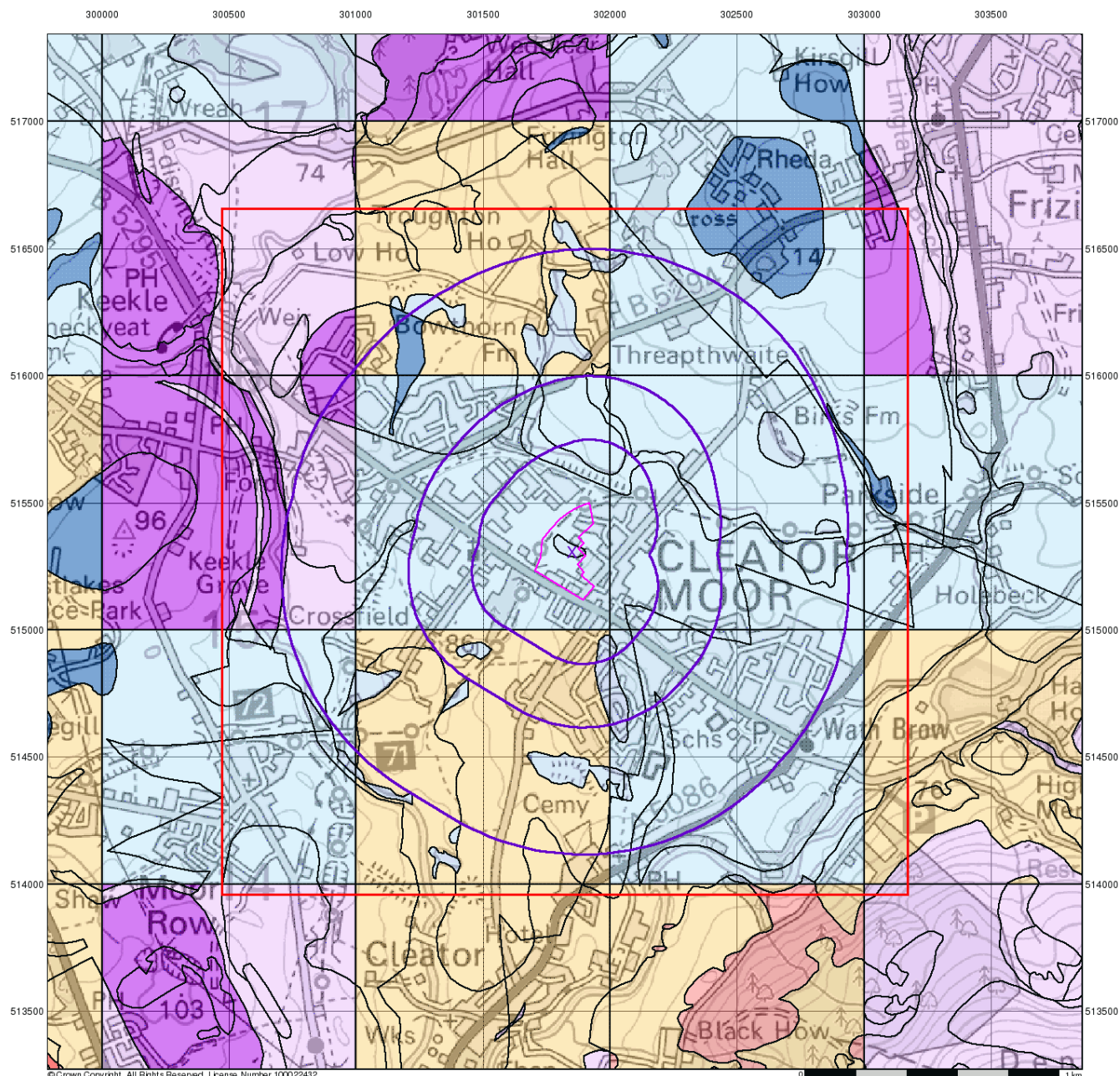


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Appendix C

Envirocheck Report



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Groundwater Vulnerability

General

- ⬡ Specified Site ⬡ Specified Buffer(s) X Bearing Reference Point
- ⬡ Slice 8 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

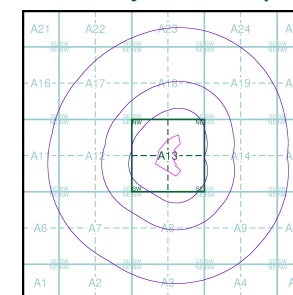
Superficial Aquifers

- 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 A



Order Details

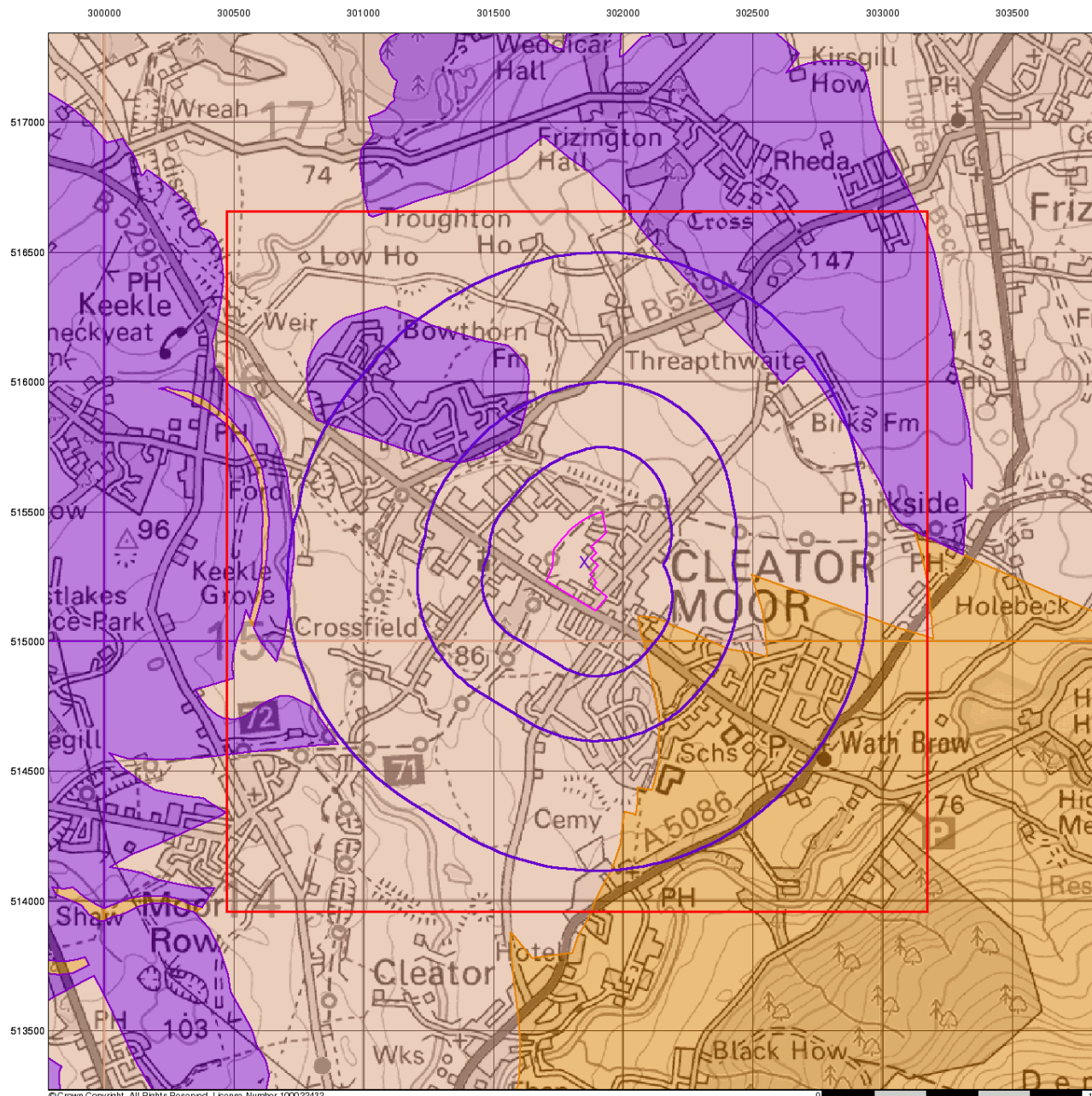
Order Number: 283884381_1_1
 Customer Ref: S210805
 National Grid Reference: 301850, 515310
 Slice: A
 Site Area (Ha): 4.92
 Search Buffer (m): 1000

Site Details

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Bedrock Aquifer Designation

General

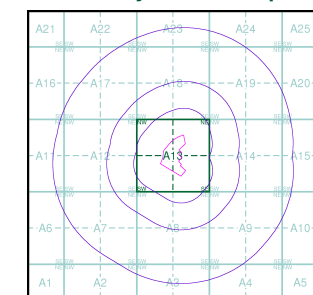
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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

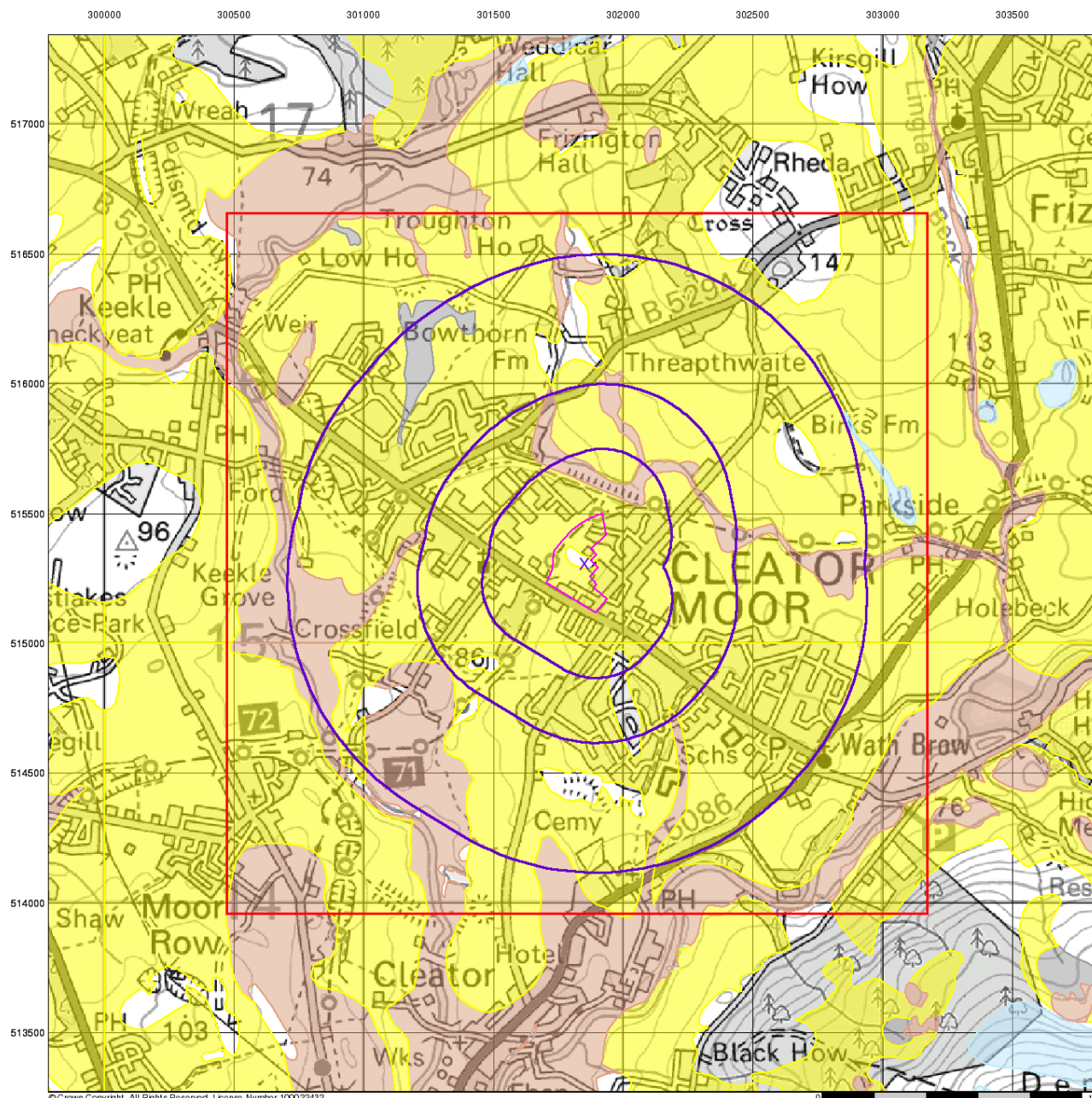
Order Number: 283884381_1_1
 Customer Ref: S210805
 National Grid Reference: 301850, 515310
 Slice: A
 Site Area (Ha): 4.92
 Search Buffer (m): 1000

Site Details

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Superficial Aquifer Designation

General

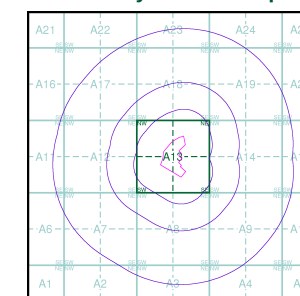
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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 A



Order Details

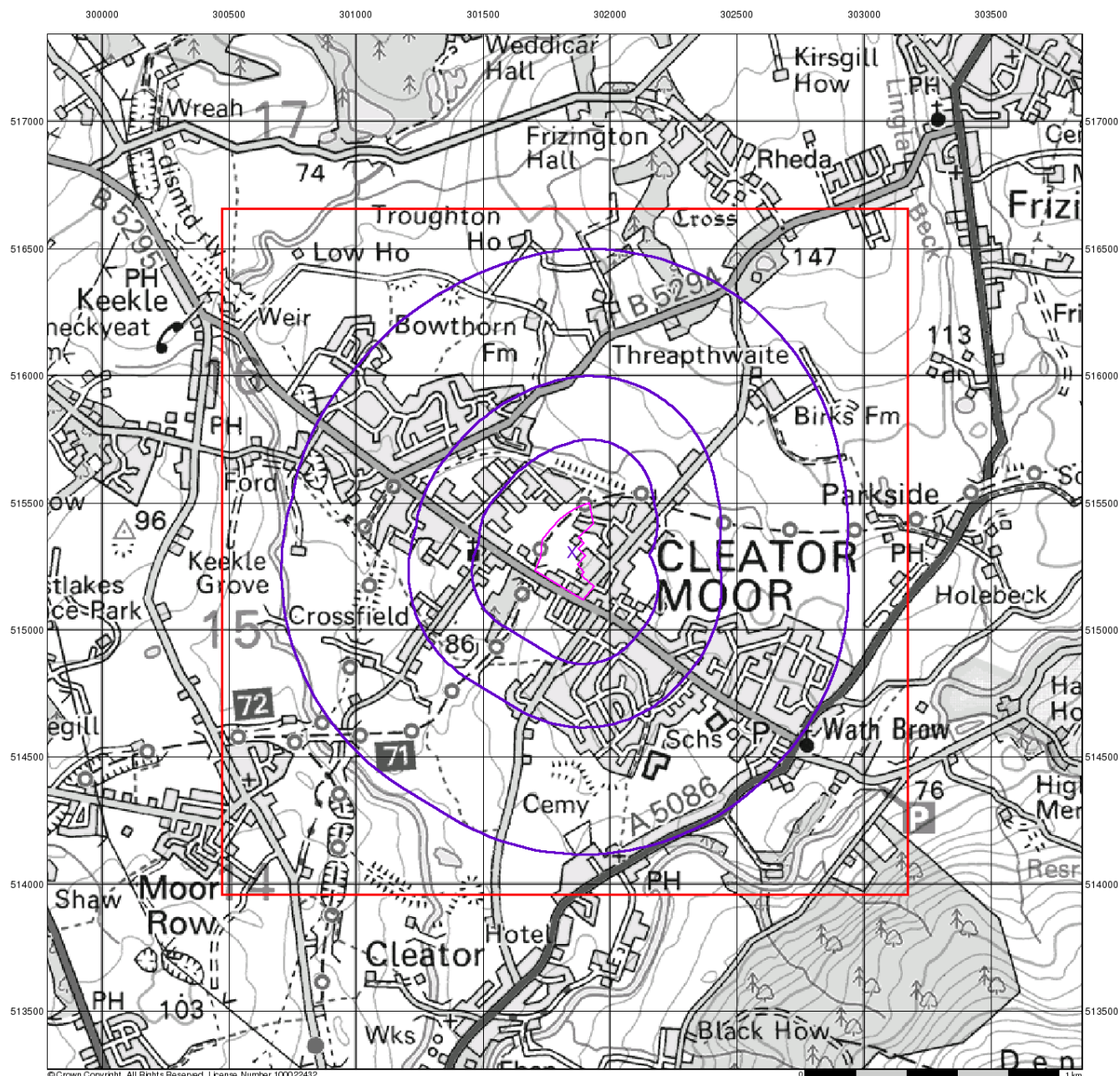
Order Number: 283884381_1_1
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 National Grid Reference: 301850, 515310
 Slice: A
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Source Protection Zones

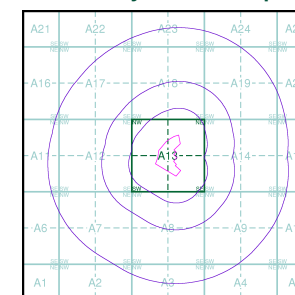
General

- ◊ Specified Site ○ Specified Buffer(s) X Bearing Reference Point
- Slice 8 Map ID

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

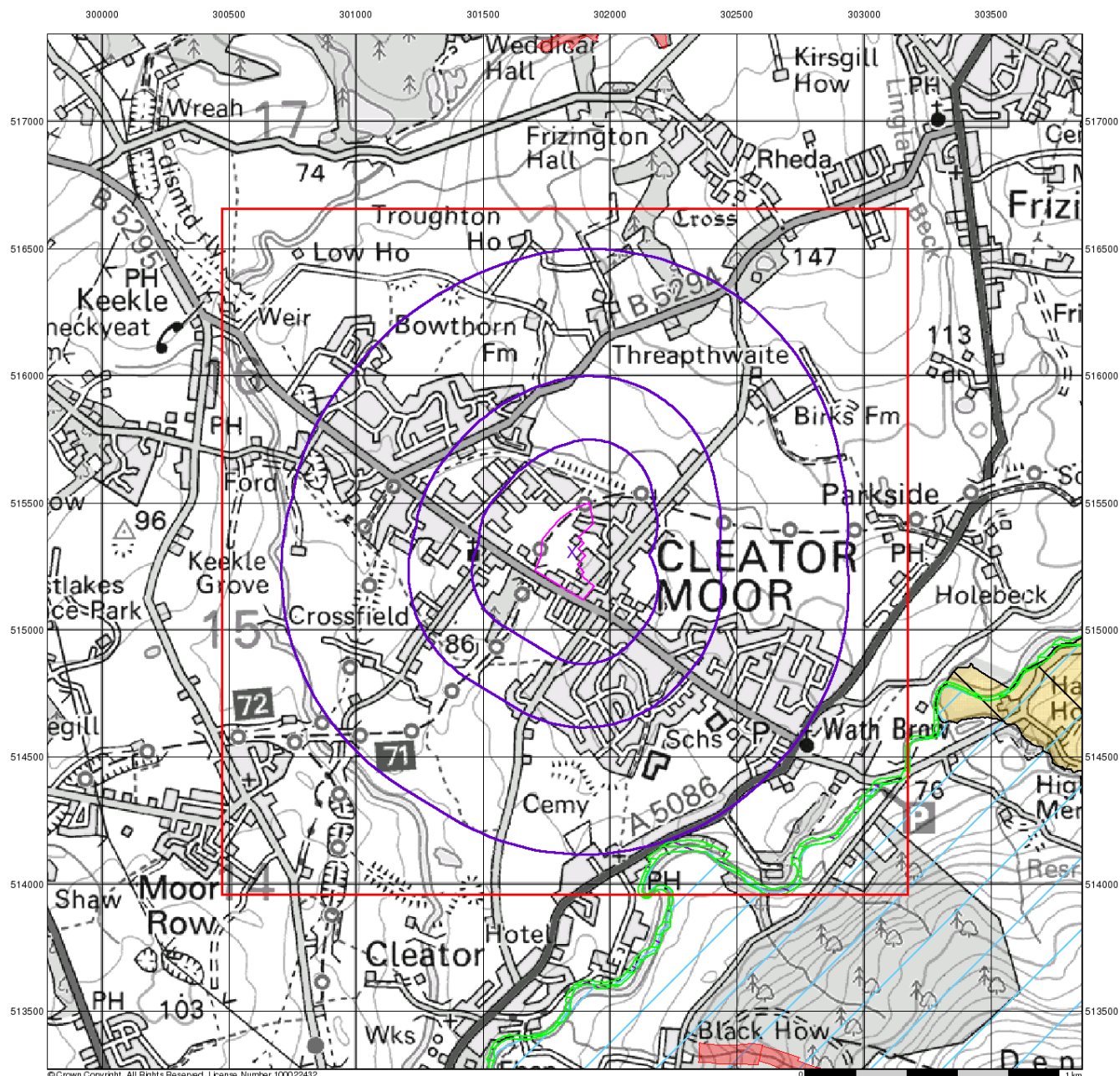
Order Number: 283884381_1_1
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 National Grid Reference: 301850, 515310
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Sensitive Land Uses

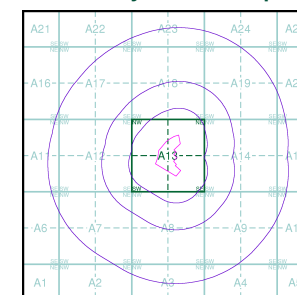
General

- 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

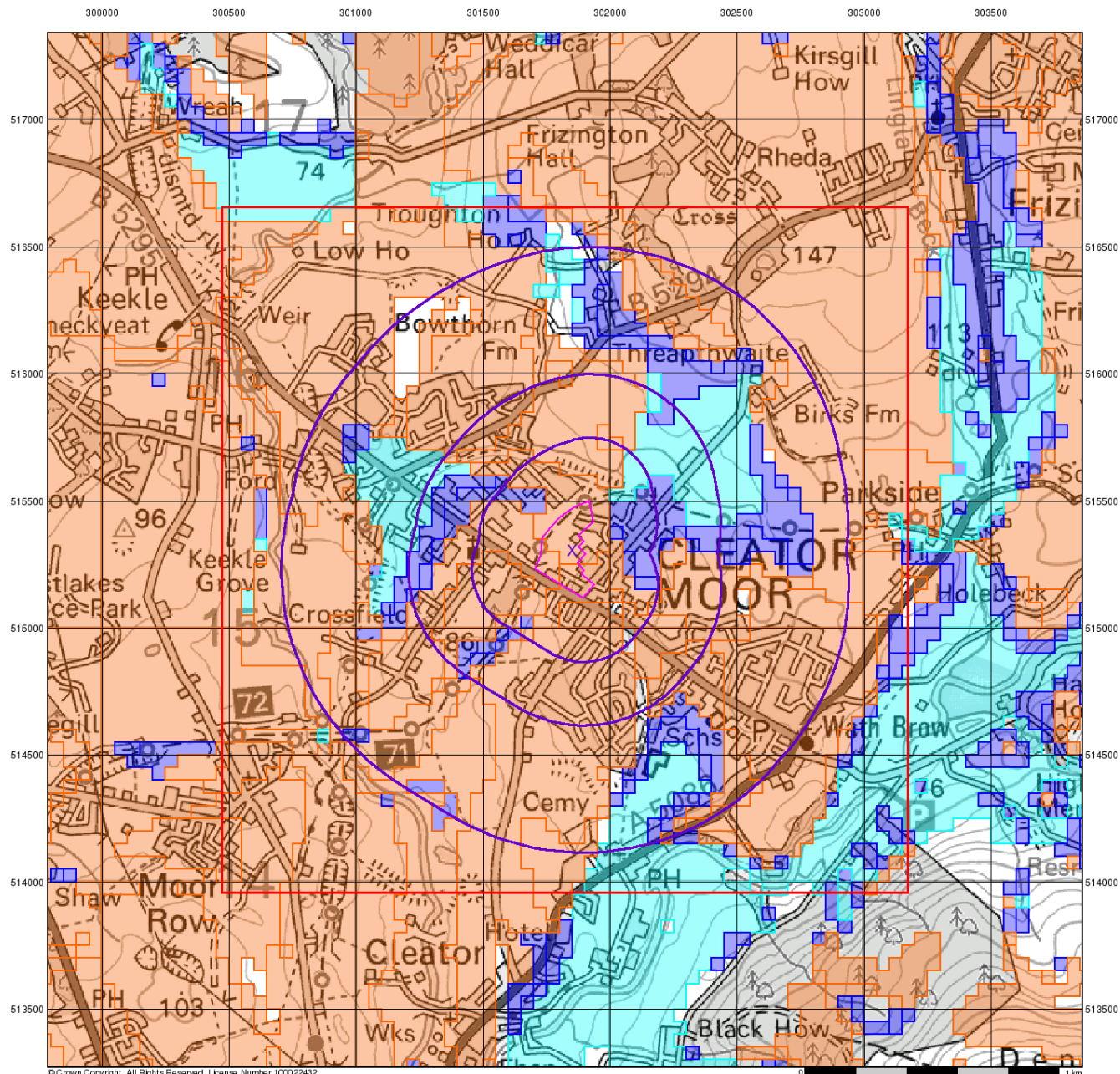
Order Number: 283884381_1_1
 Customer Ref: S210805
 National Grid Reference: 301850, 515310
 Slice: A
 Site Area (Ha): 4.92
 Search Buffer (m): 1000

Site Details

Flat, 73A, High Street, CLEATOR MOOR, CA25 5BW

Landmark
 INFORMATION GROUP

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



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BGS Flood GFS Data

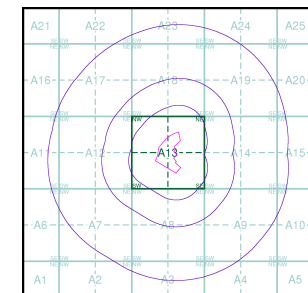
General

- 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



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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

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Customer Reference:

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Slice:

A

Site Area (Ha):

4.92

Search Buffer (m):

1000

Site Details:

Flat, 73A
High Street
CLEATOR MOOR
CA25 5BW

Client Details:

Mr R Woods
Solmek Ltd
12 Yarm Road
Stockton on Tees
Cleveland
TS18 3NA

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	18
Hazardous Substances	-
Geological	21
Industrial Land Use	30
Sensitive Land Use	-
Data Currency	34
Data Suppliers	38
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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 3		1		10
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 5			2	
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 6			2	
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 6		Yes		
Pollution Incidents to Controlled Waters	pg 6		1	5	7
Prosecutions Relating to Authorised Processes	pg 8				1
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 8				1 (*3)
Water Industry Act Referrals	pg 9			2	
Groundwater Vulnerability Map	pg 10	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 10	1	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 10		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 10		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 10		6	8	47

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 18				1
Historical Landfill Sites	pg 18				4
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 19		1		
Local Authority Landfill Coverage	pg 19	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites	pg 19				3
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 21	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 21			8	19
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 25	Yes	n/a	n/a	n/a
Mining Instability	pg 25	Yes	n/a	n/a	n/a
Man-Made Mining Cavities	pg 25	1	1	3	3
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 27	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 27	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 27		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 28	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 28	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 29	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 29	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 29	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 29	Yes	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 30	5	16	18	3
Fuel Station Entries	pg 33			1	
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					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	0	1	301851 515250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	0	1	301851 515305
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	0	1	301800 515300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	17	1	301851 515100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	30	1	301700 515200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	50	1	301750 515450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	60	1	301950 515550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	63	1	302000 515305
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	65	1	302000 515400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	67	1	302000 515350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	80	1	302000 515500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	117	1	301851 515000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	117	1	302050 515300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	132	1	302050 515100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	158	1	301700 515050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	163	1	302100 515200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	184	1	301650 515050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	201	1	301700 515000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	204	1	301950 515700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	223	1	302150 515100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	227	1	301650 515000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	233	1	302100 515000

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	A13SW (SW)	253	1	301600 515000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	263	1	302200 515300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	267	1	301550 515550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	273	1	302200 515305
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	279	1	301550 515000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	296	1	301600 514950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	315	1	302250 515350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	322	1	301550 514950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	356	1	301350 515305
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	364	1	301550 514900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	365	1	302300 515350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (NW)	366	1	301550 515700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	371	1	302300 515305
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A9NW (SE)	374	1	302200 514900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12NE (NW)	376	1	301450 515600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	380	1	302150 515800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	406	1	301300 515250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (NE)	421	1	302150 515850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NE (SW)	454	1	301350 514950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	456	1	301850 515950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	463	1	301250 515150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	476	1	301500 514800

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	A18SE (N)	486	1	302100 515950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (SE)	492	1	302400 515000
1	Discharge Consents Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: James Street Sso, Cleator Moor, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 017470312 Permit Version: 1 Effective Date: 19th February 1987 Issued Date: Not Supplied Revocation Date: 30th July 1993 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Keekle Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	137	2	302060 515490
2	Discharge Consents Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Ennerdale Rd, Cleator Moor, Copeland, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01cop0023 Permit Version: 1 Effective Date: 15th September 1993 Issued Date: Not Supplied Revocation Date: 15th September 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Kirting Beck Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	520	2	302340 514840
3	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Norbeck Park A Cso (Site 023a9) Norbeck Park A, ., Cleator Moor, Cumbria, Ca25 5rl Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01COP0083 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 1st January 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Norbeck Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 100m	A12NW (W)	577	2	301145 515365
3	Discharge Consents Operator: United Utilities Water Plc (?) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Rear Garden Of 16 Crossings Close, Cleator Moor, Cumbria, Ca25 5qh Authority: Environment Agency, North West Region Catchment Area: Keekle Reference: 017480387 Permit Version: 1 Effective Date: 23rd October 2003 Issued Date: 23rd October 2003 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Nor Beck 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	A12NW (W)	580	2	301140 515360

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Norbeck Park A Cso (Site 023a9) Norbeck Park A, ., Cleator Moor, Cumbria, Ca25 5rl Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 017480286 Permit Version: 2 Effective Date: 5th March 2018 Issued Date: 5th March 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Norbeck Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12NW (W)	583	2	301140 515370
3	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Norbeck Park A Cso (Site 023a9) Norbeck Park A, ., Cleator Moor, Cumbria, Ca25 5rl Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 017480286 Permit Version: 1 Effective Date: 30th September 1994 Issued Date: Not Supplied Revocation Date: 4th March 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Norbeck Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A12NW (W)	583	2	301140 515370
3	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Crossings Close 'C', Cleator Moor, Copeland, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01COP0084 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Norbeck Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A12NW (W)	583	2	301140 515370
3	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Norbeck Park A Cso (Site 023a9) Norbeck Park A, ., Cleator Moor, Cumbria, Ca25 5rl Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01cop0075 Permit Version: 1 Effective Date: 15th September 1993 Issued Date: Not Supplied Revocation Date: 15th September 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Nor Beck Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A12NW (W)	588	2	301130 515350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: United Utilities Water Limited Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Crossings Close, Cleator Moor, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 017470083 Permit Version: 1 Effective Date: 7th September 1993 Issued Date: Not Supplied Revocation Date: 7th September 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Norl Beck Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A12SW (W)	676	2	301030 515210
4	Discharge Consents Operator: United Utilities Water Limited Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Crossings Close, Cleator Moor, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01cop0002 Permit Version: 1 Effective Date: 13th May 1993 Issued Date: Not Supplied Revocation Date: 1st January 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Unknown Environment: Receiving Water: Unknown Outlet; Licence Status: Revoked Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A12SW (W)	676	2	301030 515210
5	Discharge Consents Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Priory Rd, Cleator Moor, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01cop0022 Permit Version: 1 Effective Date: 15th September 1993 Issued Date: Not Supplied Revocation Date: 15th September 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Kirting Beck Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A3NE (S)	925	2	302120 514220
6	Integrated Pollution Prevention And Control Name: S Brannan & Sons Ltd Location: Cleator Moor Thermometer Factory, Cleator Moor Thermometers, Leaconfield Industrial Estate, Cleator Moor, Cumbria, CA25 5QE Authority: Environment Agency, North West Region Permit Reference: Bm4201e Original Permit Ref: Bm4201e Effective Date: 22nd February 2005 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the address or location Activity Code: 4.2 A(1) (F) Activity Description: Inorganic Chemicals; Using Mercury/Cadmium And Compounds If Release Into Air Primary Activity: Y	A12NE (NW)	316	2	301469 515526

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Integrated Pollution Prevention And Control Name: S Brannan & Sons Ltd Location: Leconfield Industrial Estate, CLEATOR MOOR, Cumbria, CA25 5QE Authority: Environment Agency, North West Region Permit Reference: LP3935LH Original Permit Ref: Bm4201ie Effective Date: 13th March 2006 Status: Surrender Effective Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Automatically positioned to the address Activity Code: 4.2 A(1) (F) Activity Description: Inorganic Chemicals; Using Mercury/Cadmium And Compounds If Release Into Air Primary Activity: Y	A12NE (NW)	321	2	301471 515538
7	Local Authority Pollution Prevention and Controls Name: Crossfield Garage Ltd Location: Leconfield Street, Cleator Moor, Ca25 5qa Authority: Copeland Borough Council, Environmental Health Department Permit Reference: CBC/LAPPC/B/22 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Manually positioned to the address or location	A12NE (W)	371	3	301368 515416
8	Local Authority Pollution Prevention and Controls Name: Ross & Mason Location: Brewery Yard, CLEATOR MOOR, Cumbria, CA25 5HL Authority: Copeland Borough Council, Environmental Health Department Permit Reference: CBC/95/002 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Authorisation revoked Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	459	3	302339 515682
	Nearest Surface Water Feature	A13NE (NE)	88	-	301965 515575
9	Pollution Incidents to Controlled Waters Property Type: No Premises Identified Location: St Patrick Infant School, Cleato Authority: Environment Agency, North West Region Pollutant: Not Given Note: Not Supplied Incident Date: 3rd March 1999 Incident Reference: 124 Catchment Area: Ehen Receiving Water: Estuary Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Approximate location provided by supplier	A13SE (SE)	158	2	302001 515001
10	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Rubble/Litter Or Solids Note: Nor Beck Incident Date: 22nd April 1993 Incident Reference: 93210028 Catchment Area: Ehen Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	275	2	301700 515700
11	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Waste Oil Note: Ehen Tributary Incident Date: 24th February 1994 Incident Reference: 94210023 Catchment Area: Ehen Receiving Water: Not Given Cause of Incident: Deliberate Disposal To Drain Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	374	2	302200 514900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Pollution Incidents to Controlled Waters Property Type: Tip Drainage Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Tip Leachate Note: Tributary Nor Beck Incident Date: 19th October 1993 Incident Reference: 93210117 Catchment Area: Ehen Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	374	2	302300 515500
13	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Cumbria Authority: Environment Agency, North West Region Pollutant: Not Given Note: North Beck; None Pollution Found Incident Date: 17th June 1991 Incident Reference: 91210045 Catchment Area: Ehen Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	395	2	302300 515600
14	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Petrol Note: Nor Beck Incident Date: 16th July 1991 Incident Reference: 91210057 Catchment Area: Ehen Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	499	2	301300 515600
15	Pollution Incidents to Controlled Waters Property Type: Connection To Surface Drains Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Vehicle Washings And De Waxing Note: Ehen Tributary; Incorrect Connection Incident Date: 24th February 1994 Incident Reference: 94210022 Catchment Area: Ehen Receiving Water: Not Given Cause of Incident: Deliberate Disposal To Drain Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	515	2	302300 514800
16	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Nor Beck Incident Date: 1st September 1993 Incident Reference: 93210093 Catchment Area: Ehen Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	610	2	301100 515300
17	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Foul Sewer Location: Todholes Road, CLEATOR MOOR Authority: Environment Agency, North West Region Pollutant: Sewage Debris/Litter Note: Sewer Blockage Discharging Incident Date: 24th November 1998 Incident Reference: NO980486 Catchment Area: Ehen Receiving Water: Freshwater Stream/River Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	725	2	302000 514400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Waste Oil Note: Not Supplied Incident Date: 15th September 1994 Incident Reference: 94210125 Catchment Area: Ehen Receiving Water: Not Given Cause of Incident: Land Runoff Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	732	2	302500 514700
19	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Skirting Beck Incident Date: 19th December 1995 Incident Reference: 95210111 Catchment Area: Ehen Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (S)	779	2	302200 514400
20	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Ehen Tributary Incident Date: 30th August 1994 Incident Reference: 94210106 Catchment Area: Ehen Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	895	2	302700 514700
21	Pollution Incidents to Controlled Waters Property Type: Private Sewage: Sewage Works And Septic Tanks Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Unknown Sewage Note: Keekle Incident Date: 18th February 1992 Incident Reference: 92210050 Catchment Area: Ehen Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A16SE (W)	996	2	300800 515700
22	Prosecutions Relating to Authorised Processes Location: Land At Threapthwaite Farm, Cleator Moor Prosecution Text: Soil, Timber And Plastic Waste Dumped On Land Without A Wml Prosecution Act: Epa90 S33(1)(A) & (6) Hearing Date: 16th October 2003 Verdict: Guilty Fine: 5000 Costs: 2337 Positional Accuracy: Manually positioned within the geographical locality	A18NE (N)	697	2	301952 516195
23	Water Abstractions Operator: J Charlton & Sons Licence Number: 2774004002 Permit Version: 100 Location: Well At Birks Farm, Cleator Moor, Cumbria Authority: Environment Agency, North West Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 6 Yearly Rate (m3): 2273 Details: Birks Farm, Cleator Moor Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th December 1965 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NE (NE)	986	2	302700 516100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Jacques Licence Number: 2774003011 Permit Version: 100 Location: River Ehen At Beck Side Authority: Environment Agency, North West Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 1140 Yearly Rate (m3): 416100 Details: Land & Premises At Beck Side Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th September 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A4NE (SE)	1298	2	302700 514100
	Water Abstractions Operator: Westlakes Properties Ltd Licence Number: 2774002010 Permit Version: 2 Location: Spring Fed Catchpit @ Westlakes S&T Park, Moor Row Authority: Environment Agency, North West Region Abstraction: Research Non-University/College: Make-Up or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Westlakes S&T Park, Moor Row, Cumbria Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th December 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1976	2	299780 514790
	Water Abstractions Operator: Westlakes Properties Ltd Licence Number: 2774002010 Permit Version: 1 Location: Spring Fed Catchpit @ Westlakes S&T Park, Moor Row Authority: Environment Agency, North West Region Abstraction: Research Non-University/College: Make-Up or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Westlakes S&T Park, Moor Row, Cumbria Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th December 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1976	2	299780 514790
24	Water Industry Act Referrals Name: S Brannan And Sons Ltd Location: S BRANNAN AND SONS LTD, CUMBERLAND THERMOMETER WORKS, CUMBERLAND THERMOMETER WORKS, CLEATOR MOOR, CUMBRIA, CA25 5QE Authority: Environment Agency, North West Region Permit Reference: BH8489 Dated: 3rd February 2000 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations Status: Application received by the EA but is not yet authorised Positional Accuracy: Automatically positioned to the address	A12NE (NW)	321	2	301471 515537
24	Water Industry Act Referrals Name: S Brannan And Sons Ltd Location: S BRANNAN AND SONS LTD, CUMBERLAND THERMOMETER WORKS, CUMBERLAND THERMOMETER WORKS, CLEATOR MOOR, CUMBRIA, CA25 5QE Authority: Environment Agency, North West Region Permit Reference: BA0544 Dated: 30th October 1997 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations Status: Application received by the EA but is not yet authorised Positional Accuracy: Automatically positioned to the address	A12NE (NW)	321	2	301471 515537

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: <40% Superficial: >90% Patchiness: >10m Superficial Thickness: Low Superficial Recharge: Low	A13SE (SE)	0	4	301851 515305
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: <40% Superficial: >90% Patchiness: >10m Superficial Thickness: Low Superficial Recharge: Low	A13SE (S)	0	4	301850 515287
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	A13SE (SE)	0	4	301851 515305
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (SE)	0	4	301851 515305
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13SE (S)	0	4	301850 515287
	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	A13NE (NE)	83	2	301992 515555
	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	A13NE (NE)	85	2	301992 515555
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 170.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nor Beck Catchment Name: Ehen-Calder Primacy: 1	A13NE (NE)	90	5	301967 515576
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 158.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nor Beck Catchment Name: Ehen-Calder Primacy: 1	A13NE (NE)	105	5	302002 515562

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nor Beck Catchment Name: Ehen-Calder Primacy: 1	A13NE (N)	146	5	301844 515627
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nor Beck Catchment Name: Ehen-Calder Primacy: 1	A18SW (N)	202	5	301773 515657
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nor Beck Catchment Name: Ehen-Calder Primacy: 1	A18SE (NE)	233	5	302088 515659
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 573.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A18SE (NE)	233	5	302088 515659
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 751.5 Watercourse Level: Underground Permanent: True Watercourse Name: Nor Beck Catchment Name: Ehen-Calder Primacy: 1	A18SW (NW)	264	5	301677 515671
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.8 Watercourse Level: Underground Permanent: True Watercourse Name: Nor Beck Catchment Name: Ehen-Calder Primacy: 1	A18SE (NE)	270	5	302127 515670
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 772.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Bowthorn Beck Catchment Name: Ehen-Calder Primacy: 1	A18SW (NW)	274	5	301680 515686
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nor Beck Catchment Name: Ehen-Calder Primacy: 1	A18SE (NE)	277	5	302135 515672
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A19SW (NE)	308	5	302168 515680

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 116.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nor Beck Catchment Name: Ehen-Calder Primacy: 1	A19SW (NE)	308	5	302168 515680
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 211.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nor Beck Catchment Name: Ehen-Calder Primacy: 1	A14NW (NE)	368	5	302291 515572
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 492.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A14NW (NE)	369	5	302264 515629
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A18NE (N)	503	5	301918 516002
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A18NE (N)	512	5	301894 516010
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A18NE (N)	513	5	301890 516011
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 167.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nor Beck Catchment Name: Ehen-Calder Primacy: 1	A12NW (W)	584	5	301137 515362
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A12NW (W)	584	5	301137 515362
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nor Beck Catchment Name: Ehen-Calder Primacy: 1	A12SW (W)	622	5	301084 515207

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 185.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A12NW (W)	659	5	301124 515605
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 340.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A9SW (SE)	666	5	302341 514618
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 335.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nor Beck Catchment Name: Ehen-Calder Primacy: 1	A12SW (W)	669	5	301038 515208
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 2	A12NW (NW)	670	5	301118 515615
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 110.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A12NW (NW)	670	5	301118 515615
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A12NW (W)	671	5	301067 515437
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 174.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A17SW (NW)	717	5	301115 515716
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A17SE (NW)	769	5	301171 515879
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A19SE (NE)	791	5	302570 515948

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A19SE (NE)	791	5	302570 515948
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A19SE (NE)	791	5	302561 515960
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 161.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A19SE (NE)	791	5	302558 515964
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 283.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A17SE (NW)	793	5	301210 515962
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A17SE (NW)	793	5	301210 515961
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 233.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A9SW (S)	802	5	302214 514382
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 121.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A7SE (SW)	805	5	301418 514465
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A12SW (W)	825	5	300881 515289
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 139.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A23SE (N)	850	5	301993 516345

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 135.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A12SW (W)	854	5	300852 515215
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 264.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nor Beck Catchment Name: Ehen-Calder Primacy: 1	A12SW (W)	875	5	300862 515003
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 183.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A23SE (N)	910	5	301871 516408
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 149.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A17NE (NW)	911	5	301381 516250
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A23SE (N)	916	5	301950 516414
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 186.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A7SE (SW)	922	5	301376 514353
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 560.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A23SE (N)	924	5	301946 516422
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Bowthorn Beck Catchment Name: Ehen-Calder Primacy: 1	A23SW (N)	928	5	301768 516415
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 128.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A24SW (NE)	935	5	302316 516345

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A19NE (NE)	936	5	302657 516074
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A19NE (NE)	936	5	302657 516074
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 139.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A24SW (N)	958	5	302280 516386
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A3NE (S)	960	5	302107 514181
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A3NE (S)	962	5	302105 514178
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 150.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Bowthorn Beck Catchment Name: Ehen-Calder Primacy: 1	A23SW (N)	969	5	301772 516457
78	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 16.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A15NW (E)	976	5	302907 515333
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A17NE (NW)	978	5	301240 516236
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 224.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Keekle Catchment Name: Ehen-Calder Primacy: 1	A11SE (W)	980	5	300728 515161

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 459.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Keekle Catchment Name: Ehen-Calder Primacy: 1	A11SE (W)	980	5	300728 515161
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 229.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Keekle Catchment Name: Ehen-Calder Primacy: 1	A6NE (SW)	985	5	300792 514864
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A3NE (S)	989	5	302091 514147
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A3NE (S)	989	5	302094 514149
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 388.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Ehen-Calder Primacy: 1	A15NW (E)	992	5	302923 515330

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	BGS Recorded Landfill Sites Site Name: Crossfield Tip Location: Crossfield Moor, CLEATOR MOOR, Cumberland Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate	A7SE (SW)	968	-	301148 514438
87	Historical Landfill Sites Licence Holder: Cumbria County Council Location: Crossfields Road, Cleator Moor, Cumbria Name: Montreal Mine Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD07848 First Input Date: 31st December 1977 Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Industrial, Commercial and Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0900/0178 BGS Ref: Not Supplied Other Ref: E108.58, R19, E160.77	A7NE (SW)	609	2	301339 514746
88	Historical Landfill Sites Licence Holder: Not Supplied Location: Whitehaven Road, Cleator Moor Name: St Begas Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD35312 First Input Date: Not Supplied Last Input Date: 13th April 1979 Specified Waste Type: Deposited Waste included Inert Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: Not Supplied	A12NE (W)	627	2	301148 515578
89	Historical Landfill Sites Licence Holder: Newdale Construction Limited Location: Whinney Hill, Cleator Moor, Cumbria Name: Railway Cuttings Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD07946 First Input Date: 31st December 1979 Last Input Date: 30th September 1985 Specified Waste Type: Deposited Waste included Inert Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0900/0174 BGS Ref: Not Supplied Other Ref: 58	A12NW (W)	854	2	300900 515537
90	Historical Landfill Sites Licence Holder: Not Supplied Location: Crossfield Moor, Cleator Moor, Cumberland Name: Crossfield Tip Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD32003 First Input Date: 22nd December 1970 Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Commercial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: 2480 Other Ref: Not Supplied	A7SE (SW)	967	2	301148 514439

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
91	Licensed Waste Management Facilities (Locations) Licence Number: 403709 Location: Unit 12, Cleator Moor, Cumbria, CA25 5QB Operator Name: Whitehaven Skips & Services Ltd Operator Location: Not Supplied Authority: Environment Agency - North West Region, North Area Site Category: HCI Waste Transfer Station Licence Status: Revoked Issued: 18th July 2017 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: 22nd April 2020 Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	86	2	301760 515511
	Local Authority Landfill Coverage Name: Copeland Borough Council - Has supplied landfill data		0	3	301851 515305
	Local Authority Landfill Coverage Name: Cumbria County Council - Had landfill data but passed it to the relevant environment agency		0	6	301851 515305
92	Registered Landfill Sites Licence Holder: Cumbria County Contracting Licence Reference: R46 Site Location: Montreal (2), Cleator Moor, Cleator, Cumbria Licence Easting: 301200 Licence Northing: 514700 Operator Location: Barras Lane, DALSTON, Cumbria, CA5 7ND Authority: Environment Agency - North West Region, North Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st May 1979 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Certain Notifiable Wastes House, Com + Ind.Waste	A7NE (SW)	734	2	301200 514700
92	Registered Landfill Sites Licence Holder: Cumbria County Contracting Licence Reference: R19 Site Location: Montreal Mine (1), Cleator Moor, Cleator, Cumbria Licence Easting: 301200 Licence Northing: 514700 Operator Location: Barras Lane, DALSTON, Cumbria, CA5 7ND Authority: Environment Agency - North West Region, North Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1977 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Household + Commercial Waste	A7NE (SW)	734	2	301200 514700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
93	Registered Landfill Sites Licence Holder: Newdale Construction Ltd Licence Reference: 58/M3 Site Location: Railway Cutting, Whinney Hill, Cleator Moor, Cleator, Cumbria Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: 55 Washington Street, Workington, Cumbria Authority: Environment Agency - North West Region, North Area Site Category: Landfill - Railway cutting Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st February 1979 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste: Constr'N/Demol. Inert/Non-Haz/Non-Tox Excavated Natural Materials \$ Hard Bonded Asbestos Hardcore And Rubble	A12NW (W)	871	2	300882 515534

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Dinantian Rocks (Undifferentiated)	A13SE (SE)	0	1	301851 515305
94	BGS Recorded Mineral Sites Site Name: Cleator Moor Iron Ore Mine Location: Cleator Moor, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 140672 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Not Available Geology: ! Commodity: Iron ore - Hematite Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	273	1	301537 515017
95	BGS Recorded Mineral Sites Site Name: Todholes Quarries Location: Cleator Moor, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 140645 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Frizington Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A8NE (S)	277	1	301972 514851
96	BGS Recorded Mineral Sites Site Name: Crossfield Iron Ore Mine Location: Cleator Moor, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 140673 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Not Available Geology: ! Commodity: Iron ore - Hematite Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	316	1	301553 514955
97	BGS Recorded Mineral Sites Site Name: Todholes Quarries Location: Cleator Moor, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 140646 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Frizington Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A8NE (S)	365	1	301983 514763
98	BGS Recorded Mineral Sites Site Name: Aldby Quarry Location: Cleator Moor, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 140659 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Frizington Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A14SW (E)	386	1	302320 515220

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
99	BGS Recorded Mineral Sites Site Name: Aldby Iron Pit Location: Cleator Moor, Cumberland Source: British Geological Survey, National Geoscience Information Service Reference: 253029 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Not Supplied Geology: ! Commodity: Iron ore - Hematite Positional Accuracy: Located by supplier to within 10m	A14NW (E)	451	1	302386 515417
100	BGS Recorded Mineral Sites Site Name: Aldby Quarry Location: Cleator Moor, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 140644 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Frizington Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A14SW (E)	476	1	302410 515114
101	BGS Recorded Mineral Sites Site Name: Todholes Quarries Location: Cleator Moor, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 140647 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Frizington Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A8NE (S)	493	1	302022 514641
102	BGS Recorded Mineral Sites Site Name: Jacktrees Pit Location: Cleator Moor, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 140674 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Not Available Geology: ! Commodity: Iron ore - Hematite Positional Accuracy: Located by supplier to within 10m	A8SW (S)	533	1	301779 514597
103	BGS Recorded Mineral Sites Site Name: Aldby Brick Field Location: Cleator Moor, Cumberland Source: British Geological Survey, National Geoscience Information Service Reference: 253027 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	602	1	302486 514920
104	BGS Recorded Mineral Sites Site Name: Aldby Brick Field Location: Cleator Moor, Cumberland Source: British Geological Survey, National Geoscience Information Service Reference: 253028 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A14SE (SE)	620	1	302526 514973

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	BGS Recorded Mineral Sites Site Name: Hope Pit Location: Keeble, Whitehaven, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 147952 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Main Coal (Cumbria) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12SW (W)	630	1	301090 515100
106	BGS Recorded Mineral Sites Site Name: Montreal Iron Ore Mine Location: Cleator Moor, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 140681 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Not Available Geology: ! Commodity: Iron ore - Hematite Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	696	1	301317 514655
107	BGS Recorded Mineral Sites Site Name: Cleator Moor Location: Cleator Moor, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 140675 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Not Available Geology: ! Commodity: Iron ore - Hematite Positional Accuracy: Located by supplier to within 10m	A8SE (S)	701	1	301964 514419
108	BGS Recorded Mineral Sites Site Name: Whinny Hill Colliery, No 2 Pit Location: Keeble, Whitehaven, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 147954 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12NW (W)	724	1	301020 515477
108	BGS Recorded Mineral Sites Site Name: Whinny Hill Colliery, Staple Pit Location: Keeble, Whitehaven, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 147955 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12NW (W)	731	1	301005 515440
109	BGS Recorded Mineral Sites Site Name: Montreal Iron Ore Mine Location: Cleator Moor, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 140676 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Not Available Geology: ! Commodity: Iron ore - Hematite Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	733	1	301439 514536

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	BGS Recorded Mineral Sites Site Name: Whinny Hill Colliery, No 1 Pit Location: Keeble, Whitehaven, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 147957 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12SW (W)	766	1	300940 515210
111	BGS Recorded Mineral Sites Site Name: Birks Location: Cleator Moor, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 140658 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Eskett Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	785	1	302662 515752
112	BGS Recorded Mineral Sites Site Name: Whinny Hill Colliery, Dean'S Pit Location: Keeble, Whitehaven, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 147956 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Bannock Coal (Cumbria) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12SW (W)	787	1	300920 515270
113	BGS Recorded Mineral Sites Site Name: Montreal Iron Ore Mine Location: Cleator Moor, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 140677 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Not Available Geology: ! Commodity: Iron ore - Hematite Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	833	1	301013 514770
114	BGS Recorded Mineral Sites Site Name: Birks Iron Ore Mine, Pit No. 7 Location: Cleator Moor, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 140670 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Not Available Geology: ! Commodity: Iron ore - Hematite Positional Accuracy: Located by supplier to within 10m	A14NE (E)	874	1	302809 515404
115	BGS Recorded Mineral Sites Site Name: Montreal Iron Ore Mine Location: Cleator Moor, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 140679 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Not Available Geology: ! Commodity: Iron ore - Hematite Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	920	1	301366 514362

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
116	BGS Recorded Mineral Sites Site Name: Holebeck Iron Ore Mine, Pit No. 4 Location: Cleator Moor, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 140666 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Not Available Geology: ! Commodity: Iron ore - Hematite Positional Accuracy: Located by supplier to within 10m	A15SW (E)	932	1	302866 515243
117	BGS Recorded Mineral Sites Site Name: Henry Pit Location: Keeble, Whitehaven, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 147951 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	967	1	300930 515890
118	BGS Recorded Mineral Sites Site Name: Montreal Iron Ore Mine Location: Cleator Moor, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 140678 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Not Available Geology: ! Commodity: Iron ore - Hematite Positional Accuracy: Located by supplier to within 10m	A7SW (SW)	970	1	301079 514492
119	BGS Recorded Mineral Sites Site Name: Montreal Iron Ore Mine Location: Cleator Moor, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 140680 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Not Available Geology: ! Commodity: Iron ore - Hematite Positional Accuracy: Located by supplier to within 10m	A7SW (SW)	994	1	301123 514427
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SE (SE)	0	7	301851 515305
	Mining Instability Mining Evidence: Conclusive Iron Ore Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (SE)	0	-	301851 515305
	Man-Made Mining Cavities Easting: 301800 Northing: 515300 Distance: 0 Quadrant Reference: A13 Quadrant Reference: SW Bearing Ref: W Cavity Type: Not supplied Commodity: Hematite Solid Geology Detail: No Details Superficial Geology: No Details Detail:	A13SW (W)	0	8	301800 515300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Man-Made Mining Cavities Easting: 301500 Northing: 515300 Distance: 217 Quadrant Reference: A13 Quadrant Reference: SW Bearing Ref: W Cavity Type: Not supplied Commodity: Hematite Solid Geology Detail: No Details Superficial Geology No Details Detail:	A13SW (W)	217	8	301500 515300
	Man-Made Mining Cavities Easting: 301600 Northing: 515000 Distance: 253 Quadrant Reference: A13 Quadrant Reference: SW Bearing Ref: SW Cavity Type: Not supplied Commodity: Hematite Solid Geology Detail: No Details Superficial Geology No Details Detail:	A13SW (SW)	253	8	301600 515000
	Man-Made Mining Cavities Easting: 301500 Northing: 515000 Distance: 310 Quadrant Reference: A13 Quadrant Reference: SW Bearing Ref: SW Cavity Type: Not supplied Commodity: Hematite Solid Geology Detail: No Details Superficial Geology No Details Detail:	A13SW (SW)	310	8	301500 515000
	Man-Made Mining Cavities Easting: 301400 Northing: 514900 Distance: 451 Quadrant Reference: A7 Quadrant Reference: NE Bearing Ref: SW Cavity Type: Not supplied Commodity: Hematite Solid Geology Detail: No Details Superficial Geology No Details Detail:	A7NE (SW)	451	8	301400 514900
	Man-Made Mining Cavities Easting: 301700 Northing: 514600 Distance: 552 Quadrant Reference: A8 Quadrant Reference: SW Bearing Ref: S Cavity Type: Not supplied Commodity: Hematite Solid Geology Detail: No Details Superficial Geology No Details Detail:	A8SW (S)	552	8	301700 514600
	Man-Made Mining Cavities Easting: 301500 Northing: 514500 Distance: 732 Quadrant Reference: A8 Quadrant Reference: SW Bearing Ref: SW Cavity Type: Not supplied Commodity: Hematite Solid Geology Detail: No Details Superficial Geology No Details Detail:	A8SW (SW)	732	8	301500 514500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Man-Made Mining Cavities Easting: 301200 Northing: 514600 Distance: 809 Quadrant Reference: A7 Quadrant Reference: SE Bearing Ref: SW Cavity Type: Not supplied Commodity: Hematite Solid Geology Detail: No Details Superficial Geology: No Details Detail:	A7SE (SW)	809	8	301200 514600
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	301851 515305
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	301883 515466
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	4	1	301929 515464
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	54	1	301989 515445
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	100	1	301729 515503
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	100	1	301729 515502
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	117	1	301851 515000
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	118	1	301738 515535
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	118	1	301711 515516
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	191	1	302136 515125
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	193	1	302050 515000
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	199	1	302145 515373
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	228	1	301523 515441
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	301851 515305
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	83	1	301963 515570
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	117	1	301851 515000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	301851 515305

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	8	1	301756 515399
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	83	1	301963 515570
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	117	1	301851 515000
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A8NE (S)	229	1	301980 514905
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	249	1	302156 515303
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	301746 515307
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	301851 515305
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	301914 515405
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	301850 515287
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	301851 515267
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	37	1	301867 515078
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	55	1	301854 515077
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	117	1	301860 515000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	122	1	301851 515000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	164	1	301982 514979
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	183	1	301735 515000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	192	1	302047 515000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A14SW (SE)	249	1	302189 515112
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	301851 515305
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	117	1	301851 515000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	162	1	301718 515034

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	A13SW (SW)	197	1	301708 515000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	301850 515287
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	301851 515305
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	83	1	301963 515570
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	117	1	301851 515000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	164	1	301982 514979
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	301851 515305
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	301850 515287
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	117	1	301851 515000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	164	1	301982 514979
	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	A13SE (S)	0	1	301851 515200
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Higher probability radon area (10 to 30% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	301851 515305
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Higher probability radon area (10 to 30% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	301851 515150
	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	A13SE (S)	0	1	301851 515200
	Radon Potential - Radon Protection Measures Protection Measure: Full radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	301851 515305
	Radon Potential - Radon Protection Measures Protection Measure: Full radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	301851 515150

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
120	Contemporary Trade Directory Entries Name: Station Yard Garage Location: Station Yard, High Street, Cleator Moor, Cumbria, CA25 5AA Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	0	-	301747 515232
120	Contemporary Trade Directory Entries Name: Millers Garage Location: Station Yard, High Street, Cleator Moor, CA25 5AA Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	0	-	301747 515230
120	Contemporary Trade Directory Entries Name: S A Miller Location: Station Yard, High Street, Cleator Moor, Cumbria, CA25 5AA Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	0	-	301747 515232
121	Contemporary Trade Directory Entries Name: Brush Strokes Location: A, 75, High Street, Cleator Moor, Cumbria, CA25 5BL Classification: Wallpapers & Wall Coverings Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	0	-	301848 515154
121	Contemporary Trade Directory Entries Name: Adair Hardware Location: 77, High Street, Cleator Moor, Cumbria, CA25 5BL Classification: Hardware Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SE (S)	0	-	301859 515148
122	Contemporary Trade Directory Entries Name: North Press Location: 3-5, Jacktrees Road, Cleator Moor, CA25 5BD Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (S)	54	-	301899 515063
123	Contemporary Trade Directory Entries Name: Spencer Associates International Location: Unit 11, Leconfield Ind Est, Cleator Moor, Cumbria, CA25 5QB Classification: Precision Engineers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NE (N)	60	-	301842 515533
124	Contemporary Trade Directory Entries Name: C B Autos Location: Unit 20B Leconfield Ind Est, Cleator Moor, Cumbria, CA25 5QB Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NW (N)	105	-	301798 515560
124	Contemporary Trade Directory Entries Name: Sneckyeat Garage Location: Unit 20B Leconfield Ind Est, Cleator Moor, Cumbria, CA25 5QB Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NW (N)	105	-	301798 515560
125	Contemporary Trade Directory Entries Name: Lushes Lakeland Sausage Location: Phoenix Ct, The Sq, Cleator Moor, Cumbria, CA25 5PT Classification: Sausage Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8NE (S)	160	-	301940 514964
125	Contemporary Trade Directory Entries Name: S A W H Electronics Location: Unit 2, Cleator Moor Business Centre, Phoenix Court, The Square, Cleator Moor, CA25 5PT Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	189	-	301948 514935

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
125	Contemporary Trade Directory Entries Name: Willi Nilli Location: Unit 4, Cleator Moor Business Centre, Phoenix Court, The Square, Cleator Moor, Cumbria, CA25 5PT Classification: T-Shirts Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	189	-	301949 514936
126	Contemporary Trade Directory Entries Name: Klm Location: Unit 16, Leconfield Ind Est, Cleator Moor, Cumbria, CA25 5QB Classification: Garden Ornament Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NW (N)	180	-	301738 515612
127	Contemporary Trade Directory Entries Name: H J Timmins Location: Earl Street, Cleator Moor, Cumbria, CA25 5AU Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	188	-	301905 514930
127	Contemporary Trade Directory Entries Name: Adairs Autos Location: Earl Street, Cleator Moor, Cumbria, CA25 5AU Classification: Garage Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A8NE (S)	218	-	301855 514903
127	Contemporary Trade Directory Entries Name: Earl Street Mobility Location: Earl House, Earl Street, Cleator Moor, Cumbria, CA25 5AU Classification: Disability Equipment - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	226	-	301883 514891
128	Contemporary Trade Directory Entries Name: Cleator Moor Auto & Body Repairs Location: Wyndham Street, Cleator Moor, CA25 5AN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	194	-	302105 515071
129	Contemporary Trade Directory Entries Name: Cumbria Fabrications Location: 8 Leconfield Ind Est, Cleator Moor, Cumbria, CA25 5QB Classification: Metal Products - Fabricated Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	199	-	301685 515596
130	Contemporary Trade Directory Entries Name: Capalex Location: Leconfield Industrial Estate, Cleator Moor, Cumbria, CA25 5QB Classification: Aluminium Fabricators Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	204	-	301549 515438
131	Contemporary Trade Directory Entries Name: Travis Perkins Plc Location: Leconfield Industrial Estate, Cleator Moor, Cumbria, CA25 5QB Classification: Builders' Merchants Status: Active Positional Accuracy: Manually positioned within the geographical locality	A13NW (NW)	215	-	301651 515587
131	Contemporary Trade Directory Entries Name: Alan Dick Engineering Ltd Location: Leconfield Industrial Estate, Cleator Moor, Cumbria, CA25 5QB Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	261	-	301634 515634
131	Contemporary Trade Directory Entries Name: Mothersill Engineering Location: Leconfield Industrial Estate, Cleator Moor, Cumbria, CA25 5QB Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	290	-	301615 515656

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
132	Contemporary Trade Directory Entries Name: David Shepherd Location: Crossfield Rd, Cleator Moor, Cumbria, CA25 5BY Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12SE (W)	250	-	301456 515222
133	Contemporary Trade Directory Entries Name: Multi Choice Cash Carry Location: Leconfield St, Cleator Moor, Cumbria, CA25 5QA Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A12NE (W)	264	-	301473 515391
134	Contemporary Trade Directory Entries Name: Bethwaites Printers Location: 14, Ennerdale Road, Cleator Moor, Cumbria, CA25 5LD Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	273	-	302146 514993
135	Contemporary Trade Directory Entries Name: Bespoke Backdrops Location: Unit 15f Leconfield Industrial Estate, Cleator Moor, Cumbria, CA25 5QB Classification: Photographic Equipment & Supplies - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	290	-	301576 515616
135	Contemporary Trade Directory Entries Name: Solway Engineering Location: Unit C15, Leconfield Ind Est, Cleator Moor, Cumbria, CA25 5QB Classification: Engineers - General Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	315	-	301560 515636
136	Contemporary Trade Directory Entries Name: Mossop Construction Services Location: Crossfield Road, Cleator Moor, Cumbria, CA25 5BY Classification: Road Haulage Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A12SE (W)	299	-	301418 515149
137	Contemporary Trade Directory Entries Name: Brannan Location: Leconfield Industrial Estate, Cleator Moor, Cumbria, CA25 5QE Classification: Thermometers & Thermostats Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (NW)	321	-	301471 515538
138	Contemporary Trade Directory Entries Name: Fellview Garden Ornaments Location: Birks Rd, Cleator Moor, Cumbria, CA25 5HU Classification: Garden Ornament Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14NW (NE)	332	-	302252 515525
139	Contemporary Trade Directory Entries Name: Crossfield Garage Location: Leconfield Street, Cleator Moor, Cumbria, CA25 5QA Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (W)	371	-	301368 515416
140	Contemporary Trade Directory Entries Name: Remploy Ltd Location: Leconfield Industrial Estate, Cleator Moor, Cumbria, CA25 5QB Classification: Filter Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	372	-	301391 515499
141	Contemporary Trade Directory Entries Name: E C & J A Cook Location: Aldby Garage, Aldby Lane, Cleator Moor, Cumbria, CA25 5DH Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	400	-	302261 514933
142	Contemporary Trade Directory Entries Name: Upholstery Service Location: Plot 2 The Old Brewery, Birks Road, Cleator Moor, CA25 5HU Classification: Seating Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	418	-	302315 515631

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
143	Contemporary Trade Directory Entries Name: Rudhalls Location: Birks Road, Cleator Moor, Cumbria, CA25 5HU Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	425	-	302310 515666
143	Contemporary Trade Directory Entries Name: Ross & Mason Location: Birks Road, Cleator Moor, Cumbria, CA25 5HU Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	463	-	302342 515686
144	Contemporary Trade Directory Entries Name: Optilon (Uk) Ltd Location: Leconfield Indust Est, Cleator Moor, Cumbria, CA25 5QB Classification: Fasteners & Fixing Devices Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	428	-	301354 515550
145	Contemporary Trade Directory Entries Name: D C Cleaning & Property Maintenance Location: Unit 8 Phoenix Court, Cleator Moor Buisness Centre, Cleator Moor, Cumbria, CA25 5PE Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A8NE (SE)	430	-	302112 514746
146	Contemporary Trade Directory Entries Name: S H Pickthall Location: Aldby Lane, Cleator Moor, Cumbria, CA25 5DH Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	480	-	302375 514971
147	Contemporary Trade Directory Entries Name: Premier Pallets Location: Ennerdale Rd, Cleator Moor, Cumbria, CA25 5DH Classification: Pallets, Crates & Packing Cases Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	538	-	302343 514815
148	Contemporary Trade Directory Entries Name: P Whelan & Son Location: Kerlin, Whitehaven Road, Cleator Moor, Cumbria, CA25 5QW Classification: Coal & Smokeless Fuel Merchants & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	884	-	300954 515771
149	Contemporary Trade Directory Entries Name: Stephenson Auto Body Repairs Location: Towerson St, Cleator, Cumbria, CA23 3EL Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9SE (SE)	950	-	302622 514506
150	Fuel Station Entries Name: Crossfield Garage Location: Leconfield Street , , Cleator Moor, Cumbria, CA25 5QA Brand: Nisa Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A12NE (W)	371	-	301368 515414

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office Copeland Borough Council - Environmental Health Department	June 2020 September 2017	Annually Annual Rolling Update
Discharge Consents Environment Agency - North West Region	July 2021	Quarterly
Enforcement and Prohibition Notices Environment Agency - North West Region	March 2013	
Integrated Pollution Controls Environment Agency - North West Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - North West Region	July 2021	Quarterly
Local Authority Integrated Pollution Prevention And Control Copeland Borough Council - Environmental Health Department	February 2015	Variable
Local Authority Pollution Prevention and Controls Copeland Borough Council - Environmental Health Department	February 2015	Not Applicable
Local Authority Pollution Prevention and Control Enforcements Copeland Borough Council - Environmental Health Department	February 2015	Variable
Nearest Surface Water Feature Ordnance Survey	June 2021	
Pollution Incidents to Controlled Waters Environment Agency - North West Region	January 2000	
Prosecutions Relating to Authorised Processes Environment Agency - North West Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - North West Region	March 2013	
Registered Radioactive Substances Environment Agency - North West 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 - North West Region - North Area	July 2021	Quarterly
Water Abstractions Environment Agency - North West Region	July 2021	Quarterly
Water Industry Act Referrals Environment Agency - North West 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
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	March 2021	Quarterly

Agency & Hydrological	Version	Update Cycle
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 - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North West Region - North Area	July 2021	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North West Region - North Area	July 2021	Quarterly
Local Authority Landfill Coverage Copeland Borough Council - Environmental Health Department Cumbria County Council - Economy And Environment Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Copeland Borough Council - Environmental Health Department Cumbria County Council - Economy And Environment Department	October 2018 October 2018	
Registered Landfill Sites Environment Agency - North West Region - North Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - North West Region - North Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - North West Region - North Area	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 Copeland Borough Council - Planning Cumbria County Council - Development Control Lake District National Park	February 2016 February 2016 February 2016	Variable Variable Variable
Planning Hazardous Substance Consents Copeland Borough Council - Planning Cumbria County Council - Development Control Lake District National Park	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 Copeland Borough Council - Planning Lake District National Park	October 2020 October 2020	Quarterly Quarterly
Areas of Unadopted Green Belt Copeland Borough Council - Planning Lake District National Park	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
World Heritage Sites Historic England	May 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 NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	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	Copeland Borough Council - Environmental Health Department P O Box 19, Council Offices, Catherine Street, Whitehaven, Cumbria, CA28 7NY	Telephone: 01946 852585 Fax: 01946 590123 Email: dev.env@copelandbc.gov.uk Website: www.copelandbc.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Cumbria County Council - Economy And Environment Department Citadel Chambers, Citadel Row, Carlisle, Cumbria, CA3 8SG	Telephone: 01228 606718 Website: www.cumbria.gov.uk
7	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
8	Stantec UK Ltd Caversham Bridge House, Waterman Place, Reading, RG1 8DN	Telephone: 0118 950 0761 Email: pba.reading@stantec.com Website: www.stantec.com
9	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
10	Historic England 1 Waterhouse Square, 138 - 142 Holborn, London, EC1N 2ST	Telephone: 0370 333 0607 Email: customers@historicengland.org.uk Website: www.historicengland.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

Hazardous Substances

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

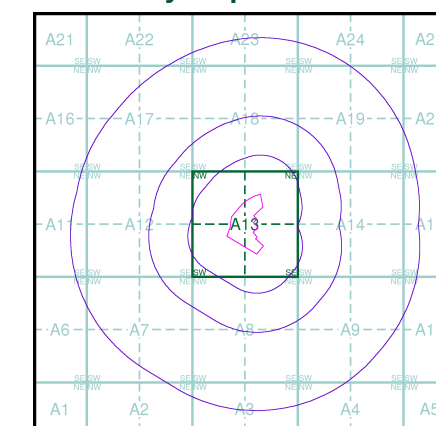
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Site Sensitivity Map - Slice A

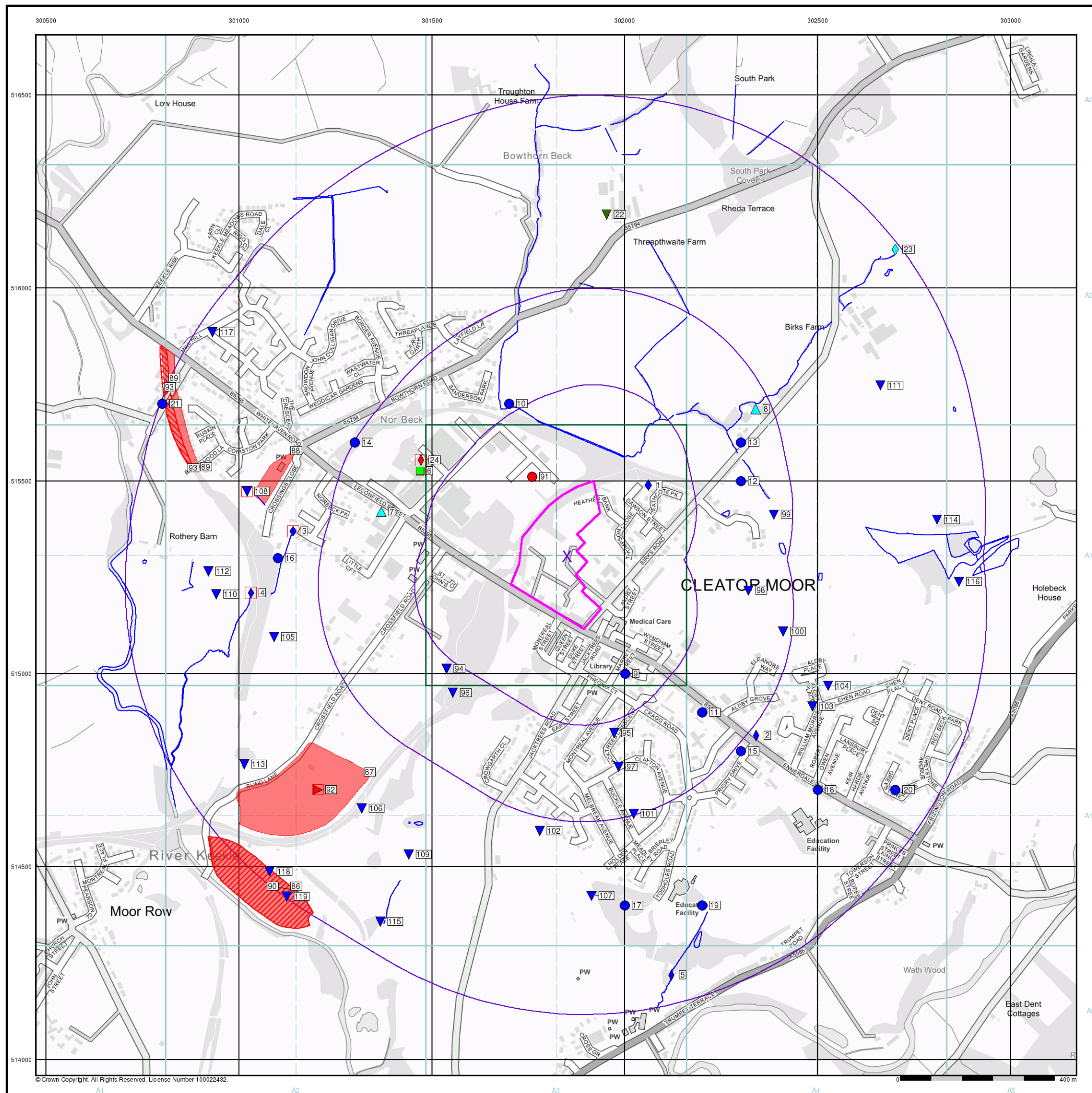


Order Details

Order Number: 283884381_1_1
 Customer Ref: S210805
 National Grid Reference: 301850, 515310
 Slice: A
 Site Area (Ha): 4.92
 Search Buffer (m): 1000

Site Details

Flat, 73A, High Street, CLEATOR MOOR, CA25 5BW





Industrial Land Use Map

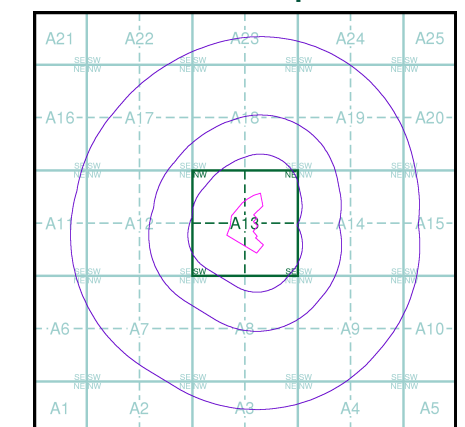
General

- 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: 283884381_1_1
Customer Ref: S210805
National Grid Reference: 301850, 515310
Slice: A
Site Area (Ha): 4.92
Search Buffer (m): 1000

Site Details

Flat, 73A, High Street, CLEATOR MOOR, CA25 5BW



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

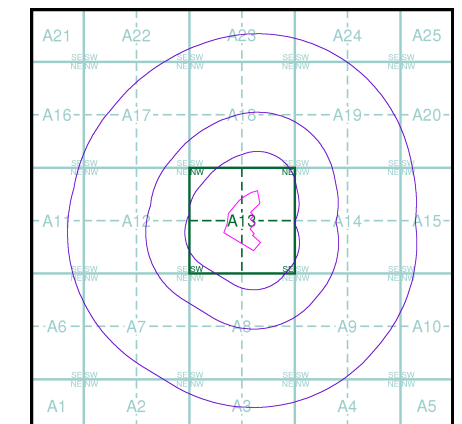
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A

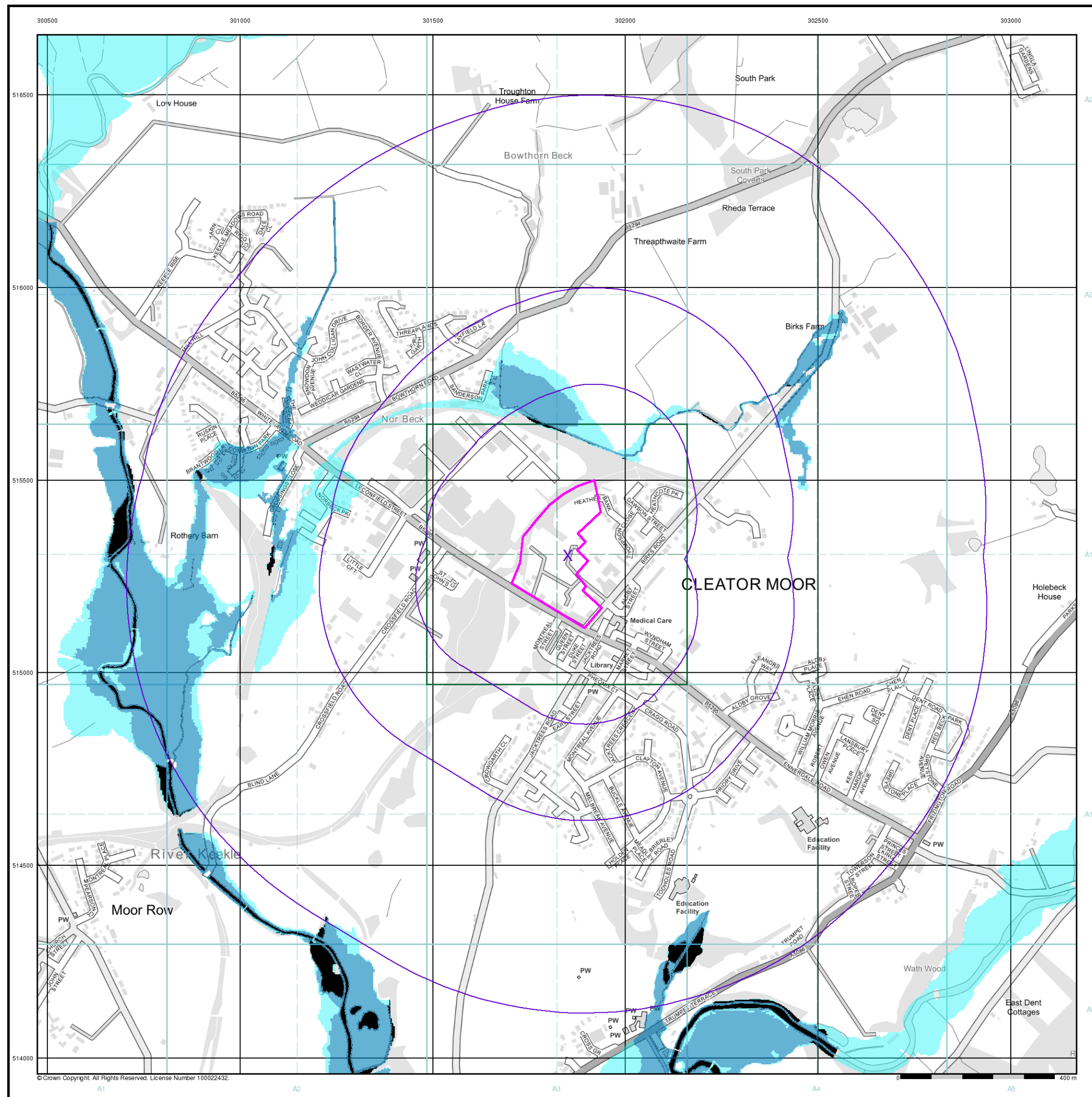


Order Details

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 Search Buffer (m): 1000

Site Details

Flat, 73A, High Street, CLEATOR MOOR, CA25 5BW



General

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

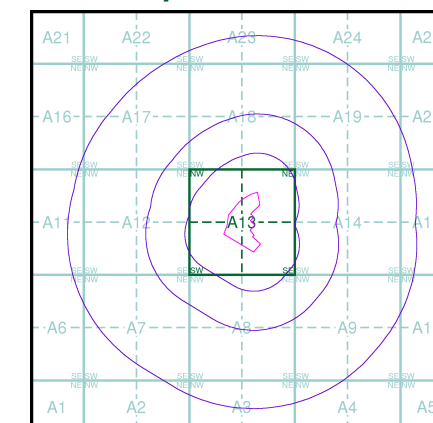
Agency and Hydrological (Boreholes)

- 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

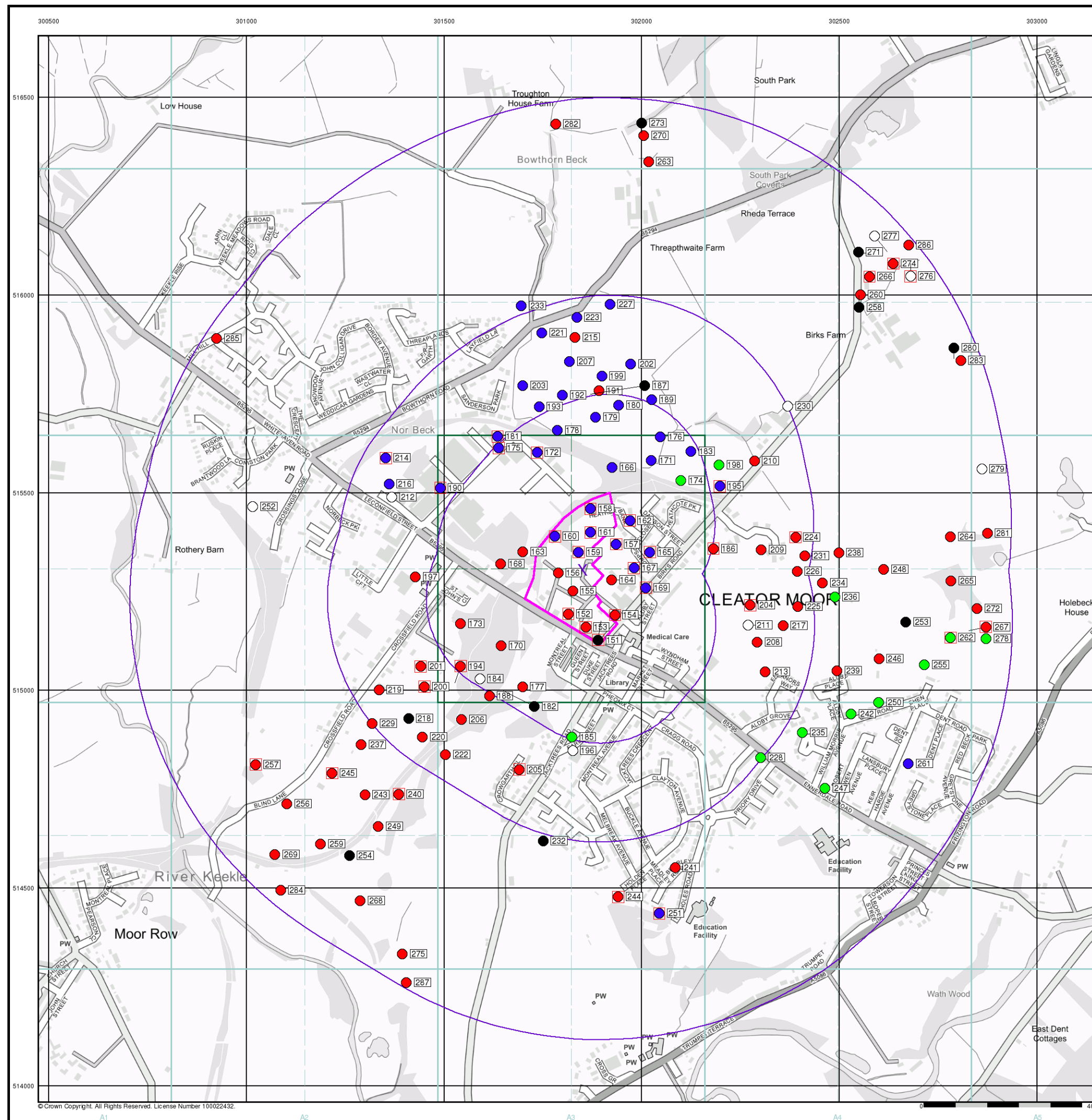


Order Details

Order Number: 283884381_1_1
 Customer Ref: S210805
 National Grid Reference: 301850, 515310
 Slice: A
 Site Area (Ha): 4.92
 Search Buffer (m): 1000

Site Details

Flat, 73A, High Street, CLEATOR MOOR, CA25 5BW



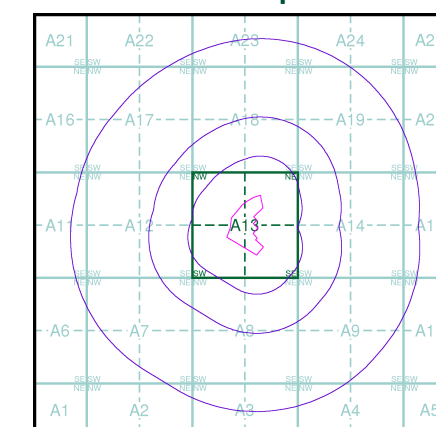
General

-  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

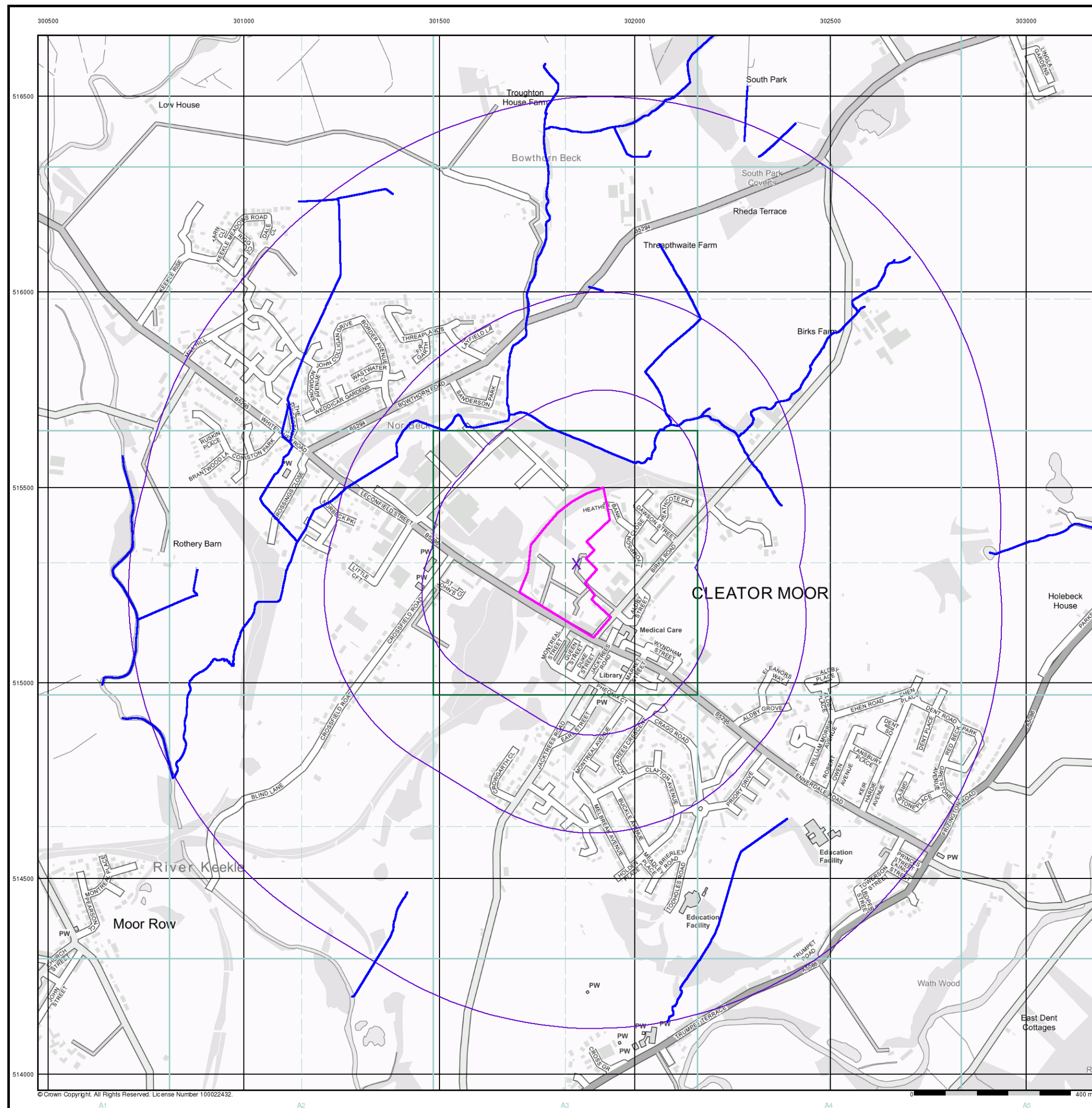


Order Details

Order Number: 283884381_1_1
 Customer Ref: S210805
 National Grid Reference: 301850, 515310
 Slice: A
 Site Area (Ha): 4.92
 Search Buffer (m): 1000

Site Details

Flat, 73A, High Street, CLEATOR MOOR, CA25 5BW



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

Mr R Woods, Solmek Ltd, 12 Yarm Road, Stockton on Tees, Cleveland, TS18 3NA

Order Details

Order Number: 283884381_1_1
Customer Ref: S210805
National Grid Reference: 301830, 515310
Site Area (Ha): 4.92
Search Buffer (m): 1000

Site Details

Flat, 73A, High Street, CLEATOR MOOR, CA25 5BW

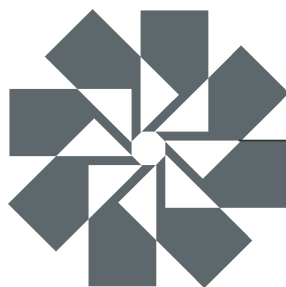
Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Show/515>

Appendix D Coal Mining Report

David Bellis Consulting Surveyors
Ltd
8, Mornington Terrace
Harrogate
North Yorkshire
HG1 5DH

(DX 720352 Harrogate)

T: 01423 529911 F: 01423 529922
E: contact@coalsearch.plus.com
W: www.coalsearch.plus.com



COAL SEARCH PLUS+
Protecting your investment

By

David Bellis
CONSULTING SURVEYORS

Regulated Coal Mining Search Report

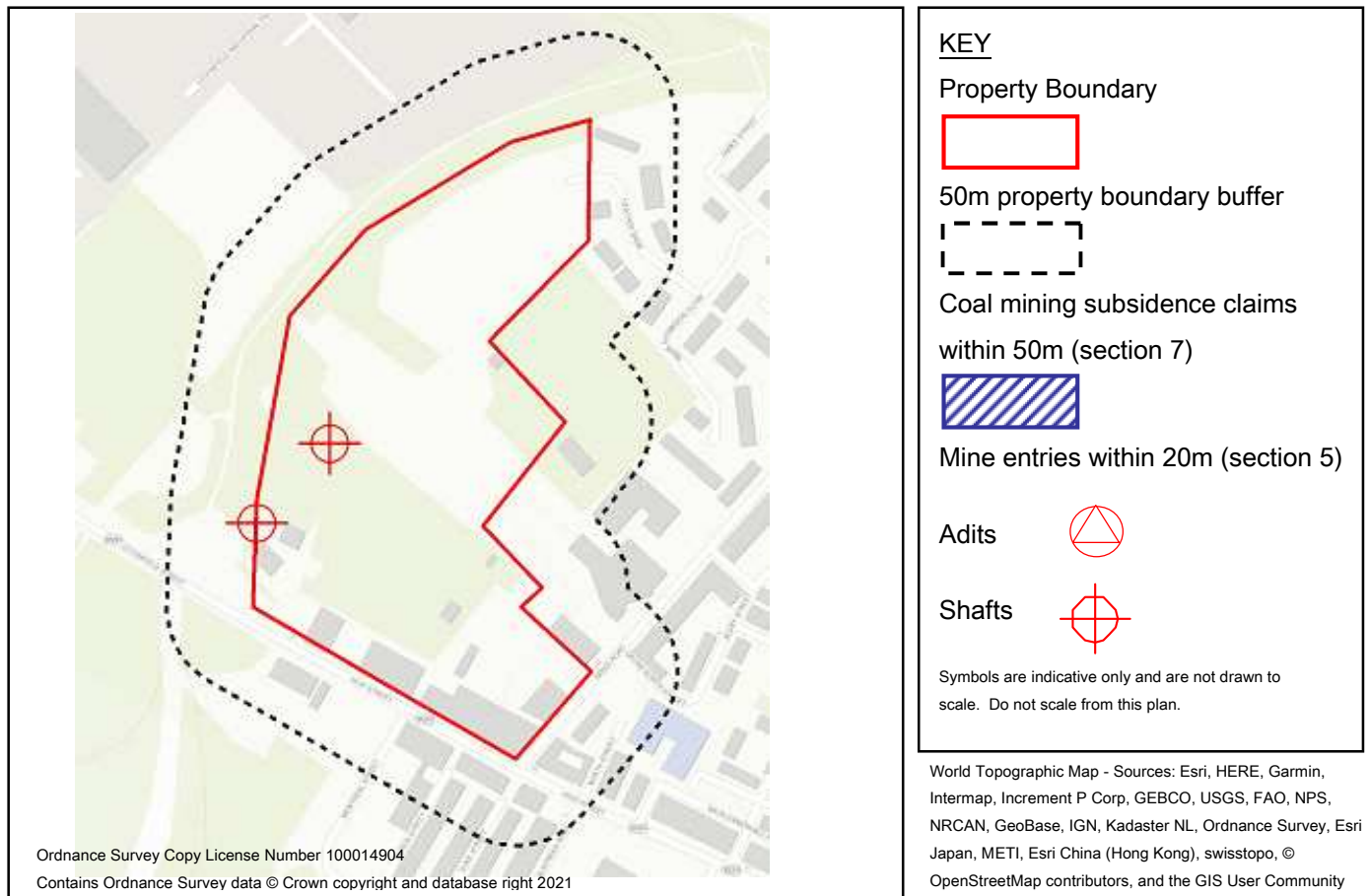
Incorporating Cheshire Brine Screening



SITE LOCATION AND COAL MINING FEATURE PLAN

ADDRESS: Site C, Cleator Moor, CA25 5BW

SEARCH NUMBER: 440384



This plan shows the location of the subject property and where relevant the location of mine entries and subsidence claims referred to in the attached CoalSearchPlus+ regulated coal mining search report. The plan must be viewed in conjunction with the detailed findings in the attached report. A coal mining risk rating, including recommended further action where appropriate, is given at the conclusion of the report. (section 8)

This plan shows reportable features relevant to the property only. Additional relevant coal mining aspects are reported upon within the report. The report and content of this plan are specific to the property under consideration. The report contents should not be used in relation to other property in the area.

Mine entries are reported if they are located within the property boundary or within 20m of it. (see report section 5 for detail)

Coal mining subsidence claims, made since 31st October 1994 and recorded by The Coal Authority, are reported for the subject property or property located within 50m of its boundary. Records of claims prior to this date are not normally retained by The Coal Authority and will not be reported. (see report section 7 for details)

Property owners have the benefit of the protection of the Coal Mining Subsidence Act 1991* in the event of the occurrence of damage from disused coal mine workings including from disused coal mine entries.

The Coal Authority, regardless of responsibility and in conjunction with other public bodies, provide an emergency call out facility in coalfield areas to assess the public safety implications of mining features (including disused shafts and adits). The emergency telephone number at all times is (01623) 646333. If you have any questions or queries regarding the content of this coal mining report please contact David Bellis Consulting Surveyors Ltd.

* Note The Coal Mining Subsidence Act 1991 does not apply where coal was worked or gotten by virtue of the grant of a gale in the Forest of Dean, or any other part of the Hundred of St. Briavels in the county of Gloucester

Serial Number 440384

Client detail :

Solmek
(Site Investigations) Ltd
12 Yarm Road
Stockton on Tees
Cleveland
TS18 3NA

CoalSearchPlus+ by David Bellis Consulting
Surveyors Ltd
8 Mornington Terrace
Harrogate
North Yorkshire
HG1 5DH
(DX 720352 Harrogate)

Tel 01423 529911
Fax 01423 529922

Search produced by M J Peace

Property details:

Site C
Cleator Moor
CA25 5BW

Your ref : SOL5332 S210805

Purchaser :

Vendor :

In accordance with your instructions received 23 Aug 2021 we have inspected plans and records of coal mine workings and have made enquiries with respect to Cheshire brine extraction in relation to the above property and can report as follows :

1. SEAM DETAILS FOR PAST UNDERGROUND COAL MINING : In relation to the property the undermentioned seam(s) have been worked within the likely zone of physical influence on the surface.

Seam	Depth (m)	Sect (cm)	Date	Remarks
See Remarks				No previous recorded coal workings.

2. SEAM DETAILS FOR CURRENT AND FUTURE UNDERGROUND COAL MINING : The undermentioned seam(s) are currently being worked, or licenses to work are being determined, or have been granted to work, within the likely zone of physical influence on the surface in relation to the property.

Seam	Depth (m)	Sect (cm)	Date	Remarks
				Coal in reserve - no workings currently planned.

3. UNDERLYING GEOLOGY :

The property is situated in an area of Boulder Clay over Limestones, Sandstones, Siltstones and Mudstones over Coal Measures.

Conjectured surface fault.

Serial Number 440384**4. OPENCAST COAL MINING :**

Past Opencast Workings : The property is not situated within the boundary of a former opencast coal mining site.

Present Opencast Workings : The property is not situated within 200m of the boundary of a currently operating opencast coal mining site.

Future Opencast Workings : The property is not situated within 800m of the boundary of an opencast site for which a license to extract coal by opencast methods has been granted or a license to do so is currently being determined.

5. MINE ENTRIES, MINE GAS, SURFACE HAZARDS AND ADDITIONAL INFORMATION :

The Coal Authority licensed Mine Entry dataset shows that 2 mine entries are located within 20 metres of the property or the boundary of the property. A plan is attached indicating the approximate position of the mine entries discovered. There are no recorded treatment details for the former mine entries.

There are no tips or lagoons in the vicinity of the property.

There are possible ancient shallow coal mining workings within the likely zone of influence on the surface in the vicinity of the property, for which no accurate plans or records exist.

There are possible workings in minerals other than coal.

The Coal Authority licensed Mine Gas dataset shows no record of mine gas emissions within the property or the property boundary requiring action.

The Coal Authority licensed Coal Mining Related Hazards dataset shows that the property has not been subject to remedial works by the Coal Authority, or its representatives, under the Coal Authority Emergency Surface hazard Call Out procedures.

If additional information is required regarding a mine entry disclosed in a residential coal mining report, a CoalSearchPlus+ Mine Entry Assessment Report can be provided for an additional fee of £75 plus vat. This will include an assessment of the risk of subsidence damage occurring due to the presence of the mine entry/entries.

Please contact David Bellis Consulting Surveyors on 01423 529911 to order a Mine Entry Assessment Report and arrange payment.

Further information regarding mine entries revealed in commercial/development coal mining reports can also be provided and reports will be tailored to client requirements. Please contact David Bellis Consulting Surveyors, on 01423 529911, to discuss the data that can be provided and agree the fee.

6. NOTICES IN RELATION TO FUTURE COAL MINING ACTIVITY :

We have no knowledge of any intention to work coal by underground methods within influencing distance on the surface in the vicinity of the property for which section 46 notices have been issued under the Coal Mining Subsidence Act 1991.

Serial Number 440384

7. PAST COAL MINING RELATED SUBSIDENCE :

A review of the records held by the Coal Authority has shown no evidence of coal mining related subsidence claims in relation to the subject property since 31st October 1994. This is the period for which records are held by the Coal Authority.

8. CONCLUSION (COAL MINING) : In the light of the above facts we conclude that in relation to coal mining :

In our opinion it is unlikely that coal will be worked in the foreseeable future.

COAL MINING RISK LEVEL : We recommend that the transaction is treated as :

Where this report is to be used for development purposes particular attention is drawn to the paragraphs below concerning the ownership of in situ coal, coal workings and the risks from mine gases.

Please note that the overall coal mining risk level above is based upon an assessment of the detailed information contained in the body of the report. The risk assessment must be used in conjunction with the detailed report.

If development of the property is being considered then all necessary enquiries and investigations should be completed prior to the commencement of works to ensure that proposals follow good engineering practice for development in mining areas. The Coal Authority has ownership of in situ coal, coal mines (both current and disused) and coal mine shafts and adits. Activities that intersect, enter or disturb any of the Coal Authority's interests require the written permission of the Authority.

Any development proposals should consider risks to the development, or adjacent property, of generating or displacing underground gases where coal seams or former mining works are disturbed. The need for effective measures to prevent gasses entering public properties should be assessed and properly addressed. These actions are necessary due to the public safety implications of development in these circumstances.

CHESHIRE BRINE EXTRACTION INFORMATION :

The property lies outside the Cheshire Brine Compensation District as prescribed by the Cheshire Brine Pumping (Compensation for Subsidence) Act 1952.

With respect to coal mining there is nothing to prevent a claim being made under the provisions of the Coal Mining Subsidence Act 1991 and subsequent legislation, but it must not be inferred that the Coal Authority or their licensees will necessarily accept that any damage has been caused as a result of mining subsidence.

If you require any further information please contact CoalSearchPlus+ on 01423 529911 or via our website www.coalsearch.plus.com.

Serial Number 440384

This report is prepared in accordance with the CoalSearchPlus+ terms and conditions as published on the CoalSearchPlus+ website (www.coalsearch.plus.com) on the date of issue of this report.

This is a Coal Mining Search Report and is not to be interpreted as being part of an Environmental Assessment of the property.

We cannot be held responsible for the accuracy of the information provided to us by third party organisations.

The information and/or material supplied is composed from data based in many cases on measurements and records of various standards of reliability and age. We cannot be held responsible for the accuracy of such information.

This search report is based upon the privately owned CoalSearchPlus+ mining record database, data supplied to CoalSearchPlus+ under license from the Coal Authority, and plans and records held by the Coal Authority and made publicly available at the time of inspection which may include British Geological Survey and Ordnance Survey data. Organisations reserve the right to vary their proposals and intentions as to their future mining operations without prior notice save as provided in the Coal Mining (Subsidence) Act 1991 and the Coal Industry Act 1994.

This report contains Data provided by the Coal Authority. Any and all analysis and interpretation of the Coal Authority Data in this report is made by David Bellis Consulting Surveyors Ltd trading as CoalSearchPlus+, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be copyright of the Coal Authority and permission should be sought from David Bellis Consulting Surveyors Ltd prior to any re-use.

Coal Authority Address : The Coal Authority, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire, HG18 4RG

British Geological Survey Address : British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham NG12 5GG

May contain British Geological Survey Materials © NERC 2021

May contain public sector information licensed under the Open Government Licence v3.0

Coal Authority data supplied under license may contain Ordnance Survey information Crown Copyright © 100020315 [2021]

The information contained in this report relates to the property address given by the individual or organisation ordering the report. Where a plan indicating the property location and boundary is supplied with the instruction the report is based on that information. Where no plan is supplied the report is based on the property location as defined in publicly available mapping data. At all times it remains the responsibility of the instructing organisation or individual to define the boundary of the property.

Additional notes applicable to Residential Coal Mining Reports only:

David Bellis Consulting Surveyors Ltd is not aware of any personal or business relationship between the person conducting or preparing the search and any person involved in the sale of the property.

This report is a desk study of existing published geological and coal mining records, the CoalSearchPlus+ coal mining data base and data supplied under license by the Coal Authority. In order to compile this report enquiries have been made in relation to the following:

Past Coal Mining – the existence of any previously worked seams of coal within influencing distance on the surface in relation to the property including an indication of the depth and age of the workings,

A statement of shallow depth generally indicates records show that coal has been mined within 30m of the surface. In some circumstances coal classified as shallow may extend up to a depth of 50m.

A statement of moderate depth indicates records show that coal has been mined at between 30m and 500m depth.

A statement of 'at depth' indicates records show that coal has been mined at depths of over 500m.

Present Coal Mining - the existence of any currently worked seams of coal within influencing distance on the surface in relation to the property including an indication of the depth and age of the workings. The existence of coal that could be worked at some time in the future will be enquired into and detail of any relevant licenses disclosed where available.

Underlying Geology - the underlying geology of the property will be reviewed and briefly described in relation to coal mining.

Opencast Coal Mining - the existence of past present and future opencast coal mining, specifically :

- if the property is situated within the boundary of a former opencast site. In the case of old opencast workings it must be understood that the records are often unclear regarding the site boundary and or worked areas. Published records and data supplied under license by the Coal Authority will be reviewed to give our opinion of the existence of relevant former opencast coal workings.
- if the property is situated within 200m of the boundary of a currently operating opencast site.
- if the property is situated within 800m of the boundary of an opencast for which either a license to extract coal by opencast methods has been granted or a license to do so is currently being determined.

Mine Entries, Mine Gas, Surface Hazards and Additional Information – the existence of any mine entries within 20m of the property or the boundary of the property and its associated land and buildings (the definition of the boundary of the property is the responsibility of the individual or organisation ordering this report). Where a mine entry is found to exist the approximate location of the mine entry will be indicated on a plan. The existence of unworked coal will be enquired into and our opinion regarding the likelihood of it being worked at some time in the past will be given where relevant.

It will be reported if mine gas emissions relating to the property are recorded by The Coal Authority.

It will be reported if The Coal Authority has carried out work in relation to the property after a report of an alleged coal mining related hazard under the Coal Authority's Emergency Hazard Call Out procedures.

Serial Number 440384

Any other relevant coal mining related features discovered will be noted.

Notices in relation to future coal mining activity – the existence of notices indicating an intention to work coal by underground methods in the future.

Past coal mining related subsidence – report if The Coal Authority licensed Claim Dataset shows record of a coal mining subsidence claim having been reported on the subject property or any other property within 50m of the boundary of the subject property since 31st October 1994. Where available claim detail information will be given for claims on the subject property only.

Coal Mining Risk Level – the opinion of David Bellis Consulting Surveyors Ltd of the risk posed to the property from coal mining given all the information contained in the report. The risk to the property is given in relation to the majority of the housing stock in the immediate area.

Cheshire Brine – the location of the property in relation to the Cheshire Brine Compensation District.

Additional information, including answers to many frequently asked questions, can be found on the CoalSearchPlus+ website, www.coalsearch.plus.com

Complaints Procedure

David Bellis Consulting Surveyors Ltd is registered with the Property Codes Compliance Board as a subscriber to the Search Code. A key commitment under the Code is that firms will handle any complaints both speedily and fairly.

If you want to make a complaint, we will:

- Acknowledge it within 5 working days of receipt.
- Normally deal with it fully and provide a final response, in writing, within 20 working days of receipt.
- Keep you informed by letter, telephone or e-mail, as you prefer, if we need more time.
- Provide a final response, in writing, at the latest within 40 working days of receipt.
- Liaise, at your request, with anyone acting formally on your behalf.

Complaints should be sent to:

Mr M. Peace, Director, David Bellis Consulting Surveyors Ltd, 8 Mornington Terrace, Harrogate, North Yorkshire, HG1 5DH
Tel : 01423 529911 Fax : 01423 529922 Email : contact@coalsearch.plus.com

If you are not satisfied with our final response, or if we exceed the response timescales, you may refer the complaint to The Property Ombudsman scheme (TPOs):

Tel: 01722 333306, Website: www.tpos.co.uk, E-mail: admin@tpos.co.uk

We will co-operate fully with the Ombudsman during an investigation and comply with his final decision.

Date : 31 Aug 2021

Signed :



Serial Number 440384**Important Consumer Protection Information**

This search has been produced by David Belis Consulting Surveyors Ltd, 8 Mornington Terrace, Harrogate, HG1 5DH (T: 01423 529911, F: 01423 529922, E: contact@coalsearch.plus.com) which is registered with the Property Codes Compliance Board (PCCB) as a subscriber to the Search Code. The PCCB independently monitors how registered firms maintain compliance with the Code.

The Search Code:

- provides protection for homebuyers, sellers, estate agents, conveyancers and mortgage lenders who rely on the information included in property search reports undertaken by subscribers on residential and commercial property within the United Kingdom
- sets out minimum standards which firms compiling and selling search reports have to meet
- promotes the best practice and quality standards within the industry for the benefit of consumers and property professionals
- enables consumers and property professionals to have confidence in firms which subscribe to the code, their products and services.

By giving you this information, the search firm is confirming that they keep to the principles of the Code. This provides important protection for you.

The Code's core principles

Firms which subscribe to the Search Code will:

- Display the Code logo prominently on their search reports.
- Act with integrity and carry out work with due skill, care and diligence.
- At all times maintain adequate and appropriate insurance to protect consumers.
- Conduct business in an honest, fair and professional manner.
- Handle complaints speedily and fairly.
- Ensure that all products and services comply with industry registration rules and standards and relevant laws.
- Monitor their compliance with the Code.

Complaints

If you have a query or complaint about your search, you should raise it directly with the search firm, and if appropriate ask for any complaint to be considered under their formal internal complaints procedure. If you remain dissatisfied with the firm's final response, after your complaint has been formally considered, or if the firm has exceeded the response timescales, you may refer your complaint for consideration under The Property Ombudsman scheme (TPOs). The Ombudsman can award up to £5,000 to you if the Ombudsman finds that you have suffered actual financial loss and/or aggravation, distress or inconvenience as a result of your search provider failing to keep to the Code.

Please note that all queries or complaints regarding your search should be directed to your search provider in the first instance, not to TPOs or to the PCCB.

TPOs Contact Details:

The Property Ombudsman scheme
Milford House
43-55 Milford Street
Salisbury
Wiltshire SP1 2BP
Tel: 01722 333306
Fax: 01722 332296
Website: www.tpos.co.uk
Email: admin@tpos.co.uk

You can get more information about the PCCB from www.propertycodes.org.uk.

PLEASE ASK YOUR SEARCH PROVIDER IF YOU WOULD LIKE A COPY OF THE SEARCH CODE

Serial Number 440384**David Bellis Consulting Surveyors Ltd and CoalSearchPlus+ Terms and Conditions (Available in large print by request)**

1. Definitions.
 - a) The Service Provider is David Bellis Consulting Surveyors Ltd, trading as CoalSearchPlus+.
 - b) The Applicant is the Individual, Organisation, or appointed officer of said Organisation placing a Request with the Service Provider.
 - c) The Third Party Provider is any Organisation from which the Service Provider obtains data and/or information on behalf of the Applicant in the normal course of fulfilling the Applicants Request.
 - d) The request is a formal Request by the Applicant with CoalSearchPlus+ to retrieve specific data and/or information.
2. CoalSearchPlus+ accept Requests only on the basis that the Applicant is acting as a principal and is directly liable for payment of our invoice or account.
3. It is the policy of CoalSearchPlus+ to observe confidentiality with regard to the identity and affairs of our customers to the extent permitted by law, but, in common with other service providers, we may be required exceptionally to disclose information to governmental and other public authorities.
4. The placing of a Request by the Applicant with CoalSearchPlus+ confirms acceptance of these terms and conditions.
5. Any Order Form produced by CoalSearchPlus+, either printed or published on the CoalSearchPlus+ website, is an invitation to treat. The Applicant makes an offer to buy from CoalSearchPlus+ by the submission of a Request, subject to clause 10. Acceptable modes of transmission for a Request are facsimile (fax), telephone, electronic mail(e-mail), online transmission via the CoalSearchPlus+ website only, Document Exchange (DX), Royal Mail or courier appointed by the Applicant.
6. Orders will be accepted on order forms other than CoalSearchPlus+ forms however these will be accepted under the standard CoalSearchPlus+ terms and conditions only, subject to Clause 10.
7. CoalSearchPlus+ reserves the right to refuse any Request.
8. CoalSearchPlus+ reserves the right to cancel any Request at any time.
9. Proof of transmission of a Request by the Applicant does not constitute proof of receipt by CoalSearchPlus+.
10. It is the responsibility of the Applicant to ensure the accuracy, legibility, clarity and completeness of all data and/or information provided to CoalSearchPlus+ as part of the Request, including but not limited to, names, numbers, addresses, location plans, and boundary plans. This applies whether the Request is submitted on CoalSearchPlus+ order forms either printed or published on the CoalSearchPlus+ website or on the Applicants own order form.
11. CoalSearchPlus+ may request additional relevant data and/or information from the Applicant in the course of fulfilling a Request, including, but not limited to, names, numbers, addresses, location plans, and boundary plans.
12. CoalSearchPlus+ may request clarification of data and/or information supplied by the Applicant.
13. If, subsequent to Clause 11. and/or Clause 12., requested data and/or information is not provided and/or clarified, CoalSearchPlus+ cannot be held responsible for any resultant loss or delay.
14. If, subsequent to Clause 11. and/or Clause 12., requested data and/or information is not provided and/or clarified within a reasonable period of time, CoalSearchPlus+ reserves the right to cancel the Request in whole or in part. The Applicant remains liable for all fees, Taxes and Disbursements accrued prior to the cancellation.
15. CoalSearchPlus+ reserves the right to subcontract data and/or information retrieval to selected Organisations and/or Individuals. CoalSearchPlus+ is not required to reveal the identity of its Subcontractors.
16. CoalSearchPlus+ will, in the process of fulfilling the request, retrieve data and/or information from publicly and/or commercially available sources and the CoalSearchPlus+ mining database. The sources of data used will primarily be data held by The Coal Authority under an agreement with the Health and Safety Executive, data owned by the British Geological Survey and the CoalSearchPlus+ database.
17. A CoalSearchPlus+ mining report is a report of the interpretation of the data sources in 16. made by CoalSearchPlus+ staff.
18. CoalSearchPlus+ coal mining search reports are based upon the plans and records available from data sources detailed in 16. at the time the report was produced. It should be understood that third party organisations reserve the right to vary their proposals and intentions as to their future mining operations without prior notice save as provided in the Coal Mining Subsidence Act 1994. CoalSearchPlus+ cannot be held responsible for changes to the future proposals and intentions of Third Parties.
19. The information and/or material supplied in a CoalSearchPlus+ coal mining report is composed from data based, in many cases, on measurements and records of various standards of reliability and age. In some instances (usually relating to older records) it is necessary for CoalSearchPlus+ to make assumptions regarding the 'best plot' position of mining features. For these reasons users of CoalSearchPlus+ reports should take the position of mining features detailed in reports to be indicative only.
20. The data and/or information that a coal mining search report is based on is constantly being updated. A CoalSearchPlus+ coal mining search report is based on the most up to date information available at the time that the report is produced however it cannot be guaranteed that the information and/or data will not become obsolete at some time in the future. Responsibility for the supply of accurate and up to date information to CoalSearchPlus+ lies with the data supplying organisations listed in 16.
21. A CoalSearchPlus+ coal mining search report relates only to coal mining and minerals worked in relation to coal mining. Other reports may be required in relation to other minerals.
22. A CoalSearchPlus+ coal mining search report is not a substitute for site investigation or a mining survey. Depending on the content of a coal mining search report, or whether development is intended, the Applicant must decide whether a site investigation or mining survey is required.
23. CoalSearchPlus+ coal mining reports comply with the Search Code.

Serial Number 440384

24. All CoalSearchPlus+ reports are covered by professional indemnity insurance. The content of CoalSearchPlus+ coal mining search reports does not prevent any future claim being made by the Applicant against the Coal Authority in respect of coal mining related subsidence.
25. Any liability in the instance of negligence by CoalSearchPlus+ or its employees in the interpretation of coal mining data and/or the production and provision of coal mining reports will be limited to the extent of the CoalSearchPlus+ Professional Indemnity Insurance or the value of the loss caused by the negligence, whichever is the lower.
26. All CoalSearchPlus+ coal mining search reports give the information detailed in the services section of the CoalSearchPlus+ website and summarised in the report. Further explanation of this information is available in the Glossary and/or the Frequently Asked Questions areas of the CoalSearchPlus+ website. Alternatively contact CoalSearchPlus+ who will be happy to explain the content of a report.
27. The Request is fulfilled when all reports, data and/or information requested by the Applicant have been retrieved and/or compiled by CoalSearchPlus+ and delivered by electronic mail (e-mail) or fax or post or document exchange (DX) or a combination of these methods as required by the Applicant. Alternative delivery arrangements are at the discretion of CoalSearchPlus+.
28. If Requests for multiple reports, data and/or information relating to multiple addresses were made on a single order form these will be fulfilled individually by the delivery of the reports, data and/or information relating to each individual address being treated as an individual Request.
29. CoalSearchPlus+ is not responsible for any loss or misdelivery of retrieved data and/or information caused by failure of Document Exchange (DX), Royal Mail or internet service provider. Most retrieved data and/or information is archived by CoalSearchPlus+ and a copy may be requested by the Applicant. If the data and/or information could not be archived CoalSearchPlus+ reserves the right to treat the request as a new Request.
30. Delivery, by whatever agreed means, will be accompanied by an invoice. Delivery by electronic mail may be followed up with a paper invoice by post or DX. Where Applicants have agreed account facilities with CoalSearchPlus+ invoicing may be on a monthly basis. In all cases the Applicant agrees to provide CoalSearchPlus+ with remuneration for the full amount shown on the invoice, including all Fees, Taxes and Disbursements.
31. The Applicant will be liable for payment of the full invoice amount within 14 days from the date of receipt of the invoice. CoalSearchPlus+ reserve the right to charge for costs and expenses incurred in recovering late payments and to charge interest at the rate of 8% above the Bank of England base rate per annum for the full period that the payments are overdue.
32. Where full payment of the invoice is not made by the Applicant within 14 days from receipt of the invoice CoalSearchPlus+ reserve the right to withdraw account facilities from the Applicant and cancel any individual agreements concerning fees or other Terms and Conditions that may have been made between the Applicant and CoalSearchPlus+.
33. Where possible the Applicant will receive Advance Notice of the cost of the Request, including all Fees, Taxes and Disbursements, prior to receipt of the invoice. This advance notice will take the form of the price for the service requested as published on the CoalSearchPlus+ website, or the price as individually agreed between CoalSearchPlus+ and the Applicant.
34. Additional Fees, Taxes and Disbursements may arise during the course of data and/or information retrieval, over and above Advance Notice costs as in clause 33. The Applicant is liable for any such additional costs. Where possible, the Applicant is notified of additional costs prior to fulfilment of the Request.
35. If the Applicant shall pay in advance of receipt of the invoice, then the Applicant remains liable for any underpayment.
36. Any overpayment on the part of the Applicant will be refunded. Arrangements for refunds are agreed on a case-by-case basis, through discussion between CoalSearchPlus+ and the Applicant.
37. The Applicant may cancel the Request in whole or in part at any time prior to Clause 27.
38. If the Applicant cancels the Request in whole or in part prior to Clause 27, the Applicant remains liable for all Fees, Taxes and Disbursements already accrued prior to the Cancellation.
39. CoalSearchPlus+ accept no liability for any loss incurred by the Applicant or the Applicant's client where the Applicant is acting as an agent for a client, due to late fulfilment and delivery of the Request.
40. CoalSearchPlus+ accept no liability for any loss to the Applicant, or the Applicant's client where the Applicant is acting as an agent for a client, due to any negative outcome of a report provided in the process of the correct and accurate fulfilment of the Request.
41. Any disputes relating to the provision of coal mining search reports should be addressed to the Practice Principal, CoalSearchPlus+ in the first instance. Disputes will be settled according to the CoalSearchPlus+ complaints procedure detailed in each report.
42. Independent Dispute Resolution - If you make a complaint and we are unable to resolve it to your satisfaction you may refer the complaint to The Property Ombudsman scheme (website: www.tpos.co.uk email: admin@tpos.co.uk Tel: 01722 333306). We will cooperate fully with the Ombudsman during an investigation and comply with his final decision.
43. Third Party and subcontractor Terms and Conditions shall apply in addition to these clauses. Should any conflict arise between CoalSearchPlus+ Terms and Conditions and Third Party or Subcontractor Terms and Conditions, then CoalSearchPlus+ Terms and Conditions prevail unless and until CoalSearchPlus+ expressly states otherwise in writing and/or courts of England and Wales establish otherwise.
44. No variation to these Terms and Conditions is effective unless and until CoalSearchPlus+ expressly agrees in writing.
45. CoalSearchPlus+ reserves the right to alter these terms and conditions as appropriate, without notice, at any time. Such amended Terms and Conditions will become effective upon publication on the CoalSearchPlus+ website.
46. These Terms and conditions are subject to English Law and the exclusive jurisdiction of the courts of England and Wales.

Appendix E

BGS Borehole Scan

Norwest Holst Soil Engineering Ltd.

Trial Pit No.

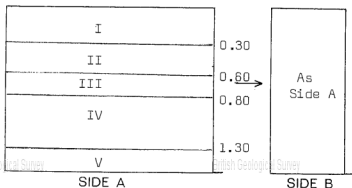
4

Contract No. F5911
Location Cleator Moor
Client Copeland Borough Council
Excavation Plant JCB 3C III
Dimensions (l x b x h)

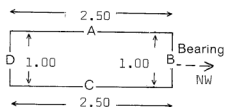
TRIAL PIT LOG

Chainage
Ground Level 87.33 m.A.O.D.
Date 4/4/84

ELEVATIONS:—

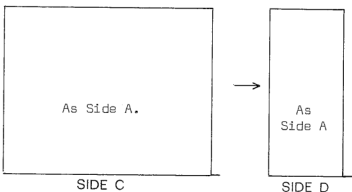


PLAN (Not to scale)



SAMPLES

No. & Type	Depth m.
1D	0.40
2D	0.75
3B	1.10



No. Depth m.

STRATA DESCRIPTION

I	G.L. 0.30	Loose dark brown friable sandy silty clay with turf (TOPSOIL).
II	0.30 0.60	Firm, dark reddish brown sandy silty gravelly CLAY with occasional cobbles and boulders.
III	0.60 0.80	Stiff light bluish grey mottled light yellow gravelly slightly sandy silty CLAY with occasional cobbles.
IV	0.80 1.30	Stiff dark reddish brown slightly sandy silty CLAY with occasional gravel and sandstone fragments.
V	1.30 1.50	Reddish brown with dark brown to black laminations, fine grained thinly laminated discoloured silty fine SANDSTONE. Iron staining in places.

Cv/Cp
kN/m²

NOTES Cv/Cp: Approximate value of undrained shear strength from hand vane/penetrometer
Groundwater: None.
Pumping: None.
Supports/Stability: No supports used/stable.

Appendix F Contamination Guidelines

UK BACKGROUND

Environmental Protection Act 1990: Part 2A Revised Statutory Guidance (April 2012)

This revised document explains how the Local Authority should decide if land, based on a legal interpretation, is contaminated. The document replaces the previous guidance given in Annex 3 of DEFRA Circular 01/2006, issued in accordance with section 78YA of the 1990 Environmental Protection Act.

The main objectives of the Part 2A regime are to *“identify and remove unacceptable risks to human health and the environment”* and to *“seek to ensure that contaminated land is made suitable for its current use”*.

Part 2A uses a risk based approach to defining contaminated land whereby the “risk” is interpreted as *“the likelihood that harm, or pollution of water, will occur as a result of contaminants in, on or under the land”* and by *“the scale and seriousness of such harm or pollution if it did occur”*.

For a relevant risk to exist a contaminant, pathway and receptor linkage must be present before the land can be considered to be contaminated. The document explains that *“for a risk to exist there must be contaminants present in, on or under the land in a form and quantity that poses a hazard, and one or more pathways by which they might significantly harm people, the environment, or property; or significantly pollute controlled waters.”*

A conceptual model is used to develop and communicate the risks associated with a particular site.

To determine if land is contaminated the local authority use various categories from 1 to 4. Categories 1 and 2 include *“land which is capable of being determined as contaminated land on grounds of significant possibility of significant harm to human health.”*

Categories 3 and 4 *“encompass land which is not capable of being determined on such grounds”*.

PRELIMINARY CONCEPTUAL MODEL

Preliminary Conceptual Models are undertaken in accordance with CIRIA C552. The Preliminary Conceptual Model assesses the consequence and the likelihood of a risk being realised to provide a risk classification, using the tables detailed below.

CONSEQUENCE OF RISK BEING REALISED (Based on C552 CIRIA, 2001)

Classification	Definition	Example
Severe	Short-term (acute) risk to human health, the environment, an element of the development or other aspect with is likely to result in <i>significant harm</i> , damage or both.	High concentrations of cyanide on the surface of an informal recreational area. Major spills of contaminants from site into controlled water. High concentrations of explosive gas in the subsurface environment that have a clear unobstructed pathway into buildings.
Moderate	Chronic damage to human health, a plausible chance that an event will occur, although the timeline is not immediate to be in the short-term.	Appreciable concentration of contamination that over the longer-term will cause significant harm i.e. high lead concentration in topsoil. Shallow mine workings that are potentially unstable but may remain in a satisfactory or stable conditions for a number of years.
Mild	Low level pollution of non-sensitive water, a feasible hazardous scenario although the timeline of such occurring can probably be considered in 10's of years.	The effect of high sulphate concentrations on structural concrete. Pollution of non-classified groundwater.
Minor	Harm, although not necessarily significant to human health, or with respect to other aspects of the development, which are considered implausible in terms of occurrence, or will have little consequential impact.	The presence of contaminants at such low concentrations that protective equipment is required during site works. Any damage to structures is minimal and will not be structural in characteristics.

PROBABILITY OF RISK BEING REALISED (C552 CIRIA, 2001)

Classification	Definition
High Likelihood	There is a viable pollutant linkage and an event that either appears very likely in the short term and almost inevitable over the long term, or there is evidence that the receptor has been harmed or polluted.
Likely	There is a viable pollutant linkage and all elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.
Low Likelihood	There is a viable pollutant linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place, and is less likely in the shorter term.
Unlikely	There is a viable pollutant linkage but circumstances are such that it is improbable that an event would occur even in the very long term.

RISK CLASSIFICATION MATRIX (C552 CIRIA, 2001)

Risk = Probability x Consequence		Consequence			
		Severe	Moderate	Mild	Minor
Probability	High likelihood	Very high risk	High risk	Moderate risk	Moderate/low risk
	Likely	High risk	Moderate risk	Moderate/low risk	Low risk
	Low likelihood	Moderate risk	Moderate/low risk	Low risk	Very low risk
	Unlikely	Moderate/low risk	Low risk	Very low risk	Very low risk

HUMAN RECEPTORS

Human exposure to contaminants present in soils can occur via several pathways. Direct exposure pathways include dermal absorption after contact with contaminated ground, inhalation of soil or dust, inhalation of volatilised compounds, and inadvertent soil ingestion (or deliberate soil ingestion in the case of some children). Other indirect pathways include human ingestion of plants grown in contaminated soil or contaminated ground or surface water. Contaminants associated with wind blown dust can affect humans on surrounding sites.

VEGETATION

Plants can be affected by soil contamination in a number of ways resulting in growth inhibition, nutrient deficiencies and yellowing of leaves. Contaminants are taken up by plants through the roots and through foliage. Contaminants identified as being highly phytotoxic include boron, cadmium, copper, lead, nickel, and zinc.

To establish if the levels of contaminants present on a site may pose a risk to vegetation the results of the contamination testing are compared to a series of threshold values published in 'Code of Good Agricultural Practice for the Protection of Soil'.

GROUNDWATER AND SURFACE WATER RECEPTORS

The principal pathway by which soil contamination may reach the water environment is through a slow seepage or leaching to groundwater or surface water. The potential for contaminants to migrate along such pathways is dependent on the chemical and physical characteristics of the contaminants and the local hydrogeology. Surface watercourses may also accumulate contamination as contaminated sediments are deposited within the water body.

Where the site investigated overlies major/principal aquifers (and in some cases minor/secondary aquifers depending on certain conditions), groundwater Source Protection Zones and areas in close proximity to groundwater abstractions, contamination test results have been compared with the Water Supply (Water Quality) Regulations 1989 and The Water Supply (Water Quality) Regulations 2000.

Should a surface water receptor, such as a fresh water environment (river, canal, stream, lake etc), or marine environment be considered sensitive in relation to a site, then test results are compared with DEFRA & SEPA Environmental Quality Standards (2004). Many of the Environmental Quality Standards are hardness (CaCO_3) depended. Where no hardness values are available, Solmek assume conservative values (of between 0 and 50mg/l).

In the absence of vulnerable ground and surface water environments, Solmek may compare any test results with the Environment Agency Leachate Quality Threshold Values.

DETAILED QUANTITATIVE RISK ASSESSMENT (DQRA)

In line with Environment Agency's guidance document Environment Agency *Land Contamination Risk Management*, which replaced the now-withdrawn *Contaminated Land Report 11 – Model Procedures for the Management of Land Contamination (2004)*, a DQRA for groundwater/human health may be required following a Phase 2 investigation and before the preparation of a Phase 3 Remediation Strategy. For human health DQRA, a site specific assessment criteria is undertaken using CLEA Software Version 1.06. For groundwater DQRA, the Environment Agency Remedial Targets Worksheet Version 3.1 is used.

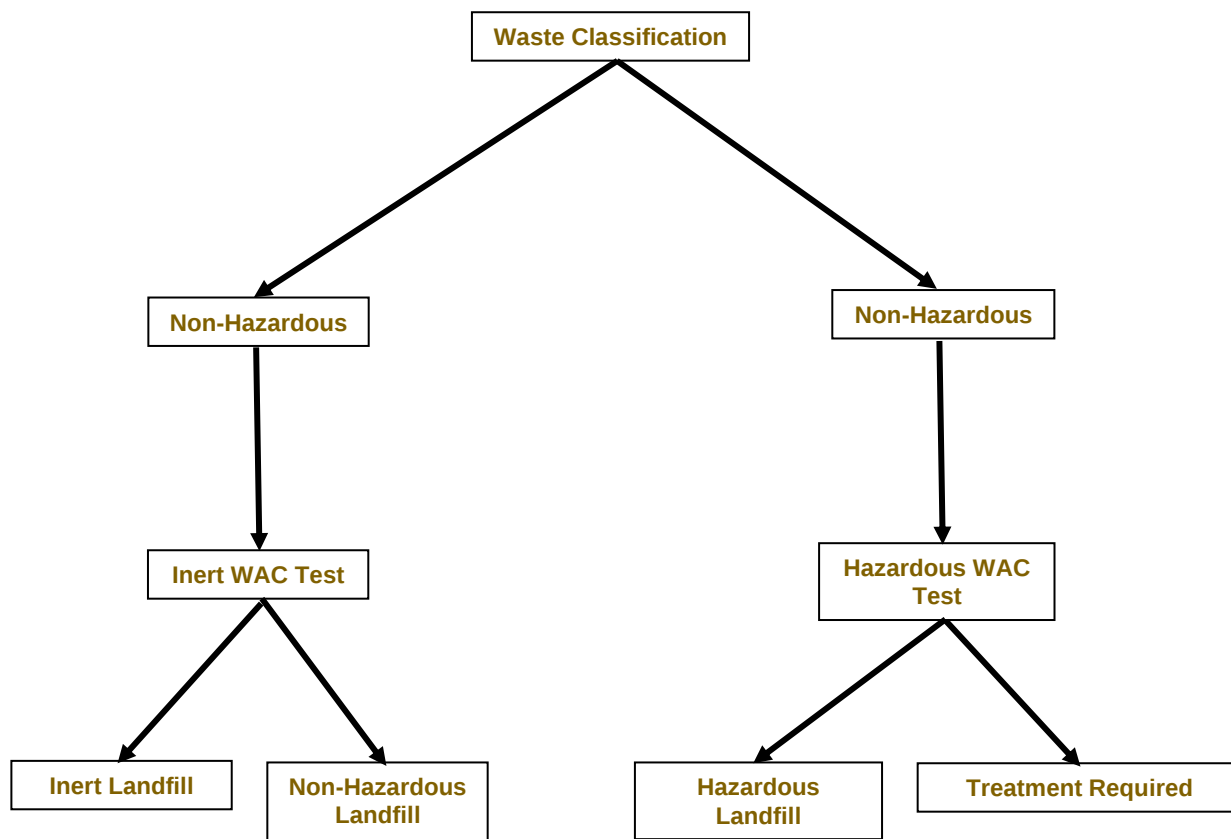
WASTE CLASSIFICATION AND WASTE ACCEPTANCE CRITERIA

During the site strip and construction activities, material may be required to be removed from site. Any such material would require classification, in line with Environment Agency Technical Guidance *Waste Classification: Guidance on the classification and assessment of waste (2015)*. This would classify the material as either Non-Hazardous or Hazardous Waste.

Once the material has been classified, determining the suitable landfill for disposal is governed by landfill directive Waste Acceptance Criteria (WAC) testing, with landfills categorized as Inert Waste, Stable Non-Reactive Hazardous Waste and Hazardous Waste. The WAC testing relates to materials that are to be exported from a site/development to landfill, and do not directly relate to human health specifically. The testing results are generally presented as certificates which can be used by site owners/contractors etc, which should be presented to the accepting waste facility or waste contractor.

If waste classification and/or WAC testing are not undertaken, material taken off site may be subject to WAC testing by the appropriate waste disposal company. The decision on whether or not to accept waste, or whether further testing is required, is at the discretion of the waste disposal company.

The below flow chart provides further information on the waste classification process.



CONSTRUCTION

MATERIALS

Materials at risk from possible soil contaminants include inorganic matrices such as cement and concrete and also organic material such as plastics and rubbers. Acid ground conditions and high levels of sulphates can accelerate the corrosion of building materials. Where pH and soluble sulphate analysis has been undertaken, Solmek compare the test results with the guidelines presented within BRE Special Digest 1, 2005 (3rd Edition) 'Concrete in Aggressive Ground'. Plastics and rubbers are generally used for piping and service ducts and are potentially attacked by a range of chemicals, most of which are organic, particularly petroleum based substances. Drinking water supplies can be tainted by substances that can penetrate piping and water companies enforce stringent threshold values.

The levels of potential contaminants should be compared to thresholds supplied in the UK Water Industry Research (UKWIR) publication "Guidance for the selection of Water Supply Pipes to be used in Brownfield Sites" (January 2011). A Brownfield Site is defined in the document as "Land or premises that have not previously been used or developed that may be vacant or derelict". It should be noted that Brownfield sites may not be contaminated. The guidance does not apply to Greenfield Sites however water companies may have their own assessment criteria which should be checked by the developer. The table below outlines the pipe material selection threshold concentrations.

Parameter group	Pipe Material (Threshold concentrations in mg/kg)					
	PE	PVC	Barrier pipe (PE-AL-PE)	Wrapped Steel	Wrapped Ductile Iron	Copper
Extended VOC suite by purge and trap or head space and GC-MS with TIC	0.5	0.125	Pass	Pass	Pass	Pass
+ BTEX + MTBE	0.1	0.03	Pass	Pass	Pass	Pass
SVOCs TIC by purge and trap or head space and GC-MS with TIC (aliphatic and aromatic C5-C10)	2	1.4	Pass	Pass	Pass	Pass
+ Phenols	2	0.4	Pass	Pass	Pass	Pass
+ Cresols and chlorinated phenols	2	0.04	Pass	Pass	Pass	Pass
Mineral oil C11-C20	10	Pass	Pass	Pass	Pass	Pass
Mineral oil C21-C40	500	Pass	Pass	Pass	Pass	Pass
Corrosive (Conductivity, Redox and pH)	Pass	Pass	Pass	Corrosive if pH <7 and conductivity >400µS/cm	Corrosive if pH <5, Eh not neutral and conductivity >400µS/cm	Corrosive if pH <5 or >8 and Eh positive
Specific suite identified as relevant following site investigation						
Ethers	0.5	1	Pass	Pass	Pass	Pass
Nitrobenzene	0.5	0.4	Pass	Pass	Pass	Pass
Ketones	0.5	0.02	Pass	Pass	Pass	Pass
Aldehydes	0.5	0.02	Pass	Pass	Pass	Pass
Amines	Fail	Pass	Pass	Pass	Pass	Pass

REQUIREMENTS OF PARTIES WITHIN THE DEVELOPMENT PROCESS

Interested parties involved in the development process may use the data in different ways and there may be varying views and interpretation of the factual data. Local Authority staff may have a view on contamination and human health and the wider environment. The Environment Agency are concerned principally with the protection of Controlled waters. Building insurers, funders and purchasers may be primarily concerned with issues of potential commercial blight. Purchasers are also not always fully informed, and perceptions on issues associated with risk can affect the decision to purchase. Developers and construction organisations will focus on financial aspects of dealing with the contamination in the context of the development and construction programme.

RISKS & LIABILITIES FROM CONTAMINATION

In simple terms, risks associated with contamination may be considered in terms of 1) statutory risks and 2) development related risks. If contamination is severe or forms a potential hazard based on its potential to affect groundwater, surface water or human health, a statutory risk may be present, and as such, if the risk is not reduced, criminal proceedings may be instigated by a government body or local authority.

If the contamination is less severe or not considered to be mobile, it may be considered a commercial liability which could, in theory remain untreated, but which may at a later date affect the value of the property, or, with changing legislation, become a statutory risk. Commercial liabilities could give rise to civil proceedings by third parties if there are grounds for action.

Appendix G

Notes on Limitations

♣Solmek conditions of offer, notes on limitations & basis for contract (ref: version1/2021)

These conditions accompany our tender and supercede any previous conditions issued. Solmek will prepare a report solely for the use of the Client (the party invoiced) and its agent(s). No reliance should be placed on the contents of this report, in whole or in part by 3rd parties. The report, its content and format and associated data are copyright, and the property of Solmek. Photocopying of part or all of the contents, transfer or reproduction of any kind is forbidden without written permission from Solmek. A charge may be levied against such approval, the same to be made at the discretion of Solmek.

Solmek cannot be held liable and do not warrant, or otherwise guarantee the validity of information provided by third parties and subsequently used in our reports. Solmek are not responsible for the action negligent of otherwise of subcontractors or third parties.

Site investigation is a process of sampling. The scope and size of an investigation may be considered proportional to levels of confidence regarding the ground and groundwater conditions. The exploratory holes undertaken investigate only a small volume of the ground in relation to the overall size of the site, and can only provide a general indication of site conditions. The opinions provided and recommendations given in this report are based on the ground conditions as encountered within each of the exploratory holes. There may be different ground conditions elsewhere on the site which have not been identified by this investigation and which therefore have not been taken into account in this report. Reports are generally subject to the comments of the local authority and Environment Agency. The comments made on groundwater conditions are based on observations made at the time that site work was carried out. It should be noted that mobile contamination, ground gas levels and groundwater levels may vary owing to seasonal, tidal and/or weather related effects. Solmek cannot be held liable for any unrecorded or unforeseen obstructions between exploratory boreholes and trial pits. This includes instances where previous structures on the site (buried man made structures) or the presence of boulder clay (cobbles and/or boulder obstructions) have been anticipated. All types of piling operations should make allowance for obstructions within the construction budget to accommodate this. Unrecorded ancient mining may occur anywhere where seams that have been worked and influence the rock and soil above. Dissolution cavities can occur where gypsum or chalk is present. Rotary drilling is the recommended technique to prove the integrity of the rock.

Where the scope of the investigation is limited via access to information, time constraints, equipment limitations, testing, interpretation or by the client or his agents budgetary constraints, elements not set out in the proposal and excluded from the report are deemed to be omitted from the scope of the investigation.

Desk studies are generally prepared in accordance with RICS guidelines. Environmental site investigations are generally undertaken as 'exploratory investigations' in accordance with the definitions provided in paragraph 5.4 of BS 10175:2011 in order to confirm the conceptual assumptions. You are advised to familiarize yourself with the typical scope of such an investigation. No pumping of water will be undertaken unless a licence or facilities/equipment have been arranged by others.

Where the type, number or/and depth of exploratory hole is specified by others, Solmek cannot and will not be responsible for any subsequent shortfall or inadequacy in data, and any consequent shortfall in interpretation of environmental and geotechnical aspects which may be required at a later date in order to facilitate the design of permanent or temporary works.

All information acquired by Solmek in the course of investigation is the property of Solmek, and, only also becomes the joint property of the Client only on the complete settlement of all invoices relating to the project. Solmek reserve the right to use the information in commercial tendering and marketing, unless the Client expressly wishes otherwise in writing. The quoted rates do not include VAT, and payment terms are 30 days from dispatch of invoice from our offices. Quotes are subject to a site visit.

We have allowed for 1 mobilisation and normal working hours unless otherwise stated. The scope of the investigation may be reviewed following the desk study and/or fieldwork. The presence or otherwise of Japanese Knotweed or other invasive plants can be difficult to identify especially during winter months. If Japanese Knotweed or other invasive species are suspect, it should be confirmed by an ecologist. We have not allowed for acquiring services information, and cannot be responsible for damage to underground services or pipes not shown to us or not clearly shown on plans. Costs incurred will be passed on to you, and in commissioning Solmek you understand and accept that you/your agent have a contractual relationship with Solmek & you accept this. Our rates assume unobstructed, reasonably level and firm access to the exploratory positions and adequate clear working areas and headroom. We have priced on the basis that you or your client have the necessary permissions, wayleaves and approvals to access land. All boreholes and pits are backfilled with arisings except where gas monitoring pipes are installed with stopcock covers. Solmek are not responsible for any uneven surfaces as a result of siteworks and rutting and backfilled excavations may require re-levelling and/or making good by others after fieldwork is complete, and Solmek has not allowed for this. No price has been provided or requested for a return visit to remove pipework and covers. Hourly rates apply to consultancy only and do not include expenses unless otherwise shown. If warranties are required, legal costs incurred will be passed on to you assuming Solmek agree to complete such warranties, modified or otherwise and you understand and agree to pay all costs.

We reserve the right to pursue full payment of the invoice prior to release of any information including reports. We advise you/your client that we may elect to pursue our statutory rights under late payment legislation, and will apply 8% to the base rate for unreasonably late payments. Solmek are exempt from the CIS Scheme. Solmek offer to undertake work only in strict accordance with conditions covered by our current insurances, which are available for inspection. Solmek are not responsible for acts, negligent or otherwise of subcontractors and as a matter of policy cannot indemnify any other parties. Professional indemnity Insurance is limited to ten times the invoice net total except where stated otherwise by Solmek. Solmek give notice that consequential loss as a direct or indirect result of Solmek's activities or omission of the same are excluded.