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Cumbria
CA7 0LX

PRELIMINARY ENVIRONMENTAL RISK ASSESSMENT
for
CLEATOR MILLS
CLEATOR
CUMBRIA
CA23 3DU



ELLIOTT
Environmental Surveyors

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1.0 INTRODUCTION

This report has been prepared on the instructions of Mr A Ross of North Associates, Wigton, prior to an application for planning permission to carry out demolition work and redevelopment at the old Kangol Factory site at Cleator Mills, Cleator, Cumbria.

The aim of this report is to provide an understanding of the environmental status of the site, on a preliminary basis, as well as for the planned redevelopment of the site.

This report addresses the potential environmental aspects concerning the potential for contaminated land set out in the National Planning Policy Framework and the Contaminated Land Regime in Part 2A of the Environmental Protection Act 1990. The approach has been for environmental hazards to be identified, and the environmental risks arising from these hazards to be assessed in the context of the redevelopment. Consideration has also been given to Council concerns raised, as well as potential liabilities under the Environmental Damage Regulations 2009.

The report begins by providing a description of the site based on the findings of a site walkover inspection. The findings of the desk top study are then described, which include identification of natural environmental hazards and potential natural sensitive features such as water courses and groundwater.

A review of the historical uses together with contaminative land use information is used to build up a list of potential contaminants and other environmental hazards which may be present. This information has been used to build up a summary or schedule of environmental hazards relating to the site, expressed in terms of sources, pathways and receptors. A preliminary environmental risk assessment has been carried out using the source-pathway-receptor model, to categorise the site in terms of its likely environmental risk and to enable a Conceptual Site Model to be generated. This draws together the known facts from the survey and assessment and identifies the main environmental constraints of the site.

Conclusions are made about the environmental status of the site.

2.0 LIMITATIONS OF THE REPORT

The recommendations contained in this report represent our professional opinions. These opinions were arrived at in accordance with currently accepted industry practices. The report takes into consideration potential sources, pathways, receptors and evaluates potential pollutant linkages. Elliott Environmental Surveyors Ltd (EES) professional interpretation relies solely on the information made available by the Client, other background data and the desk top investigation which is stated in the report and the implications of the findings on the proposed use of the site.

Every care has been taken to ensure that the interpretation of the site condition is based on all known data collected and as such is not a guarantee that the site is free of unidentified hazardous or potentially hazardous materials.

EES prepared this report for our Client. Any third party using this report does so entirely at his or her own risk. EES makes no warranty or representation whatsoever, express or implied, with respect to the use by a third party of any information contained in this report or its suitability for any purpose. EES assumes no responsibility for any costs, claims, damages or expenses (including any consequential damages) resulting from use of this report or any information contained in this report by a third party.

APPROVED BY	T ELLIOTT	SIGNED		DATE	18 June 2013
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3.0 SITE BRIEFING

The site is located to the east of Cleator, about 300m to the south of Cleator Moor, and immediately to the west of the Lake District National Park, as shown at Appendix 1.

The study site extends to just over 8ha, lying within the floodplain of River Ehen, with the river forming the eastern to southern boundary, and with housing to the west and north.

The southern section consists of derelict buildings, having most recently been a Kangol hat factory. The buildings were built between the early 19th Century and the 1960s, the original building having been a linen mill with an associated mill race which ran through the site from the river in the north northeast, rejoining it in the southwest. The western and northern sections are greenfield and the eastern section is another formerly derelict factory, currently owned by Gates.

A walkover inspection survey was carried out on the site on 4 June 2013, with photographs shown at Appendix 3. The eastern factory buildings were not accessible.

The main areas of potential concern are the old factory buildings and associated structures and discharges.

3.1 Site Walkover Inspection

The industrial sections of the site lie along the river, having been constructed to the south, then the east, of the site.

All the older buildings are derelict, and those that could be examined internally were found to be in poor condition, with obvious signs of vandalism and weather damage, and with widespread asbestos containing materials confirmed, including significant quantities that had been damaged (photos 6 and 7).

There are no visual signs of the old mill race that used to run through the site, although its pathway through the mill building is obvious (photo 4).

Some old machinery and equipment is still present in the buildings from the Kangol hat factory (photos 8 to 10).

Whilst any remains of the old gasometer are not visible, and thought to be below the tarmac to the north of the older buildings, the later oil tanks are still present, along with the boiler house and chimney (photo 5), located to the east of the mill buildings, fairly close to the river.

The Gates factory to the northeast of the main site is in a partially demolished state (photo 15). The external boiler house and a water tank (photo 14) are located near the river, and an outlet pipe was noted to the river slightly further down-gradient (photo 13).

The rest of the site is Greenfield, with some horse grazing and mature trees.

A stand of Japanese knotweed was noted in one location during the walkover survey.

3.2 Environmental Issues Arising

The potential for contaminants currently on site to migrate, leach or run-off to River Ehen, which is a Site of Special Scientific Interest (SSSI) and a Special Area of Conservation (SAC), during disturbance caused by demolition or construction work is of considerable concern due to its proximity and status.

The presence of Japanese knotweed, and any other invasive weeds, should be investigated as a priority for elimination to be planned.

3.3 Development Proposals

At this stage details of the proposed development are uncertain. However, it is assumed that the development will include residential properties, and this assessment has been made on this basis.

4.0 ENVIRONMENTAL SETTING

In order to identify current land uses and natural or man-made hazards which may pose a risk to the site, and to understand the potential impacts of any contaminants from the site on the surrounding environment, desk study research has been carried out. This comprised a study of an Envirocheck report, which is included as Appendix 4, together with a Coal Mining Assessment, included at Appendix 5, and other available information.

4.1 Surface Water

The nearest watercourse is River Ehen, which meanders in a generally southwesterly direction, including immediately adjacent to the eastern to southern section of the site. River quality has been found to be classed a Quality A in the past.

In addition, a small water course issues in the southern end of the western boundary, then flow south towards the Ehen, shown as sinking or being culverted before reaching the river. Another small watercourse is shown flowing southwestwards before sinking or being culverted 75m from the northern end of the site. Further small watercourses are shown running into the far side of the Ehen, to the east of the site.

The chemical status of the surface water in the area is not assessed by the EA, and there are no plans to do so by 2015.

The only recorded surface water abstraction within 1km is from the river, 560m upstream of the site, for aquaculture.

4.2 Flood Risk

The EA consider the site to be at significant risk from extreme flooding, all but the far northern section having a one in 75 chance of a flood (1.3%) in any year. This assessment apparently takes into account the existing flood defences along the river bank to the northeast of the site. The far north of the site is considered to be at lower risk of flooding.

The majority of the site is also considered by the EA to be at risk from flooding from Ennerdale Water, 7km to the northeast.

4.3 Geology

The geology of the area can have a significant effect on the migration of any potential contaminants, both off and on to the site.

The site lies in an area of Buttermere Foundation mudstone and sandstone deposits, overlain with alluvium.

4.4 Hydrogeology

Hydrogeology is the study of groundwater movement, which can be important in relation to the migration of potential contaminants especially if there are drinking water sources in the vicinity of the site.

The site lies within an area where the underlying bedrock is classed as a Secondary B aquifer, but overlain with more permeable superficial deposits which are classed as Secondary A, except for the far north of the site where the deposits are unproductive. Only soils in the southeastern half of the site have been classified, and these are shown as being of intermediate permeability.

The site does not lie within a source protection zone, and there are no recorded abstractions in the area.

The EA do not consider the groundwater in this area to be at risk.

4.5 Geological and Ground Working Hazards

Information in the Envirocheck report indicates that hazards due to natural ground conditions are considered to be negligible to very low across the site, with the exception of the northern section which is low risk from ground instability caused by running sand, and moderate risk from landslides.

The site is shown to be at variable risk from radon, with the northwestern section at greatest risk, with 10 to 30% of houses above the action level, and requiring full protective measures during the development. Elsewhere on site the risks are considered to be much lower, with no protection required.

The Envirocheck report indicates that the site is within an area recognised as being at risk due to coal mining. However, the Coal Authority indicative map viewer indicates that whilst it is in a Coal Mining Reporting Area, there are no specific risks.

A Coal Mining Search Report obtained for the site, and shown at Appendix 5, confirms that there are no risks from coal mining, past, present or potential. In producing this report, David Bellis Consulting Surveyors Ltd were requested to examine the records and mapping for iron working now held by the Coal Authority.

The only information available indicated that there are possible pre-1922 ironstone workings in the vicinity of the site.

The Envirocheck report indicates iron ore to have been mined at locations at least 260m to the west and 370m to the north, at Cleator Iron Ore Mine, although no

further information is shown. There are records of cavities formed due to iron ore mining, but none are indicated within 400m of the site.

Limestone and sandstone have been quarried, but not within almost 600m of the site.

Estimates of the background levels of common metals within soils made by the BGS indicate that arsenic, cadmium, chromium, lead and nickel are not considered to be elevated in the area. However, it should be noted that these figures are estimates of background levels, and may not be reflected within soils on site.

4.6 Hydrological, Pollution, Waste Disposal and Industry Information

Whilst there have been consents to discharge cooling water from the Kangol factory and Cross Paperware on site, to the southwest and southeast, these were both revoked in the 1990s. There are current consents for United Utilities to discharge storm sewage overflow to the river, the closest being immediately to the north of site.

The owners of the Kangol factory were found guilty in 2006 of burning controlled waste on site, which included asbestos, and they were fined £22,500.

The only recorded landfill or waste site within 500m of the site is a landfill site undergoing closure at Jacktrees Road, 350m to the west, and is recorded as having a very good compliance score.

4.7 Surrounding uses

The site has no active industrial or commercial companies, with the factories having been closed in the late 2010s.

There are no other recorded trades within 500m of the site.

4.8 Environmental Designations

River Ehen is designated as a Site of Special Scientific Interest (SSSI) and a Special Area of Conservation (SAC), with the Lake District, extending to the far side of the river, being an Environmentally Sensitive Area.

The 24ha River Ehen SAC consists of 90% running and standing water, and the designation relates primarily to the presence of freshwater pearl mussels, with Atlantic salmon also found.

5.0 HISTORICAL REVIEW

A review of the history of the site and surrounding area has been carried out using information within the Envirocheck report and other available maps and information.

Site

A mill was built on the site in the early 19th Century, for the production of linen thread. The earliest maps, from 1867, indicate the flax mill (Cleator Mill) in the far south of the site, fed with water via a sluice into a mill race, running from just upstream of a weir in the river, in the northeast, straight across the site to the mill, discharging to the river to the southwest of the site. Housing is shown in the far southwest of the site, along with access to the site via Mill Street in the southwest.

Maps during the latter part of the 19th Century show the mill to have been extended and altered in some parts, and with a school shown near the houses. A gasometer clearly indicated on the 1899 map in the eastern section of the mill can also be seen on the earlier maps. The rest of the site is shown as agricultural with small areas of woodland.

The 1925 map no longer indicates the gasometer, although a tank is shown nearby and a crane in the far southeast, but with few other changes through the first half of the 20th Century. The mill race is shown as being disused by 1956, and is no longer shown by 1962.

Mapping from the early 1960s shows the mill as factories, with some changes to the layout, and with a further larger building to its northeast, also shown as a factory, and all still accessed from the southwest. The housing and school are shown to have been demolished by 1979.

The Gates factory in the east of the site is reported as being used by Cross Paperware for 24 years during the latter part of the 20th Century, producing paper and plastic disposable crockery.

The 1991 map shows an access road from the northern end of the site, and where the mill race had been. Few other changes have been shown since other than the removal of some of the smaller structures between the two factories. Hat production at the Kangol factory ceased in 2009, with the site used as a warehouse.

Surrounding area

The earliest maps show the area to be largely agricultural, but with iron ore, and to a lesser extent, coal mining, having taken place since the 1840s, indicated on maps to be to the north to west of the site. The Flish, to the west of the site, was built in 1800 for the original mill owner, Henry Birtley, and owned by the Ainsworths from the 1830s, having gardens extending to the western boundary of the site. Cleator is shown to the southwest.

Housing and a church is shown immediately to the north of the site by 1899.

No significant changes are shown since, although further housing is shown to the southwest, by 1956, along Mill Street (which was renamed Hilden Road by 1962) and with more housing shown in the area by 1994. Further housing is shown beyond the western boundary by 2006.

6.0 POTENTIAL CONTAMINANTS

Given the past use of the site, a wide range of residues of hydrocarbons, including fuels and oils could be present, as could contaminants such as tars from the small gas works that was on site until the early 20th Century. Additional contaminants from the presence of a gas works include cyanides, sulphur compounds, phenols, heavy metals and spent oxide.

Potential contaminants from the original mill also include dyes, as well as metals, solvents, soaps and detergents.

The later production of hats on site by Kangol also introduces the possibility of elevated levels of mercury being present.

A wide range of potential contaminants are possibly present due to the production of paper and plastic products, including metals, sulphur compounds, acids, alkalis, solvents, hydrocarbons and other organic compounds, although the factory is relatively recent and would have more controls in place than the earlier activities on site.

Whilst there is no obvious indication of landfilling on site, it is possible that waste materials have been buried on site. The nature of the infilling of the mill race is unknown. It is possible that ground gases are present as a result of breakdown of organic wastes.

Ash from the earlier boilers could have been distributed on site. It is possible that at least one electrical substation has been present on site, and that oils and polychlorinated biphenyls (PCBs) could be present as a result.

Asbestos containing materials are known to be present on site, with extensive damage to the buildings likely to have resulted in it being more widespread than previously.

Discharges from both the mill site and the later factory are known to have run to the river, to the south and east, respectively. The state of these is unknown, and there may be residues present as a result of incomplete decommissioning.

7.0 ENVIRONMENTAL HAZARD SCHEDULE

Using the information gathered as a result of the site inspection, desk study and other available information, it is now possible to produce an assessment of the environmental hazards related to the site.

ITEM	ASPECT OF MODEL	VALID ?	EXPLANATION
Contaminants from on site sources – asbestos	Source	Yes	It is known that asbestos containing materials are present on site, and that further assessment, removal and mitigation measures will be needed.
Contaminants from on site sources – other	Source	Yes	A wide range of contaminants are potentially present on site, particularly in the southern section.
Contaminants from off site sources	Source	No	There is no indication of off-site sources
Dermal contact / ingestion of soil / water	Pathway	Yes	These pathways exist and will increase considerably as a result of demolition and decommissioning works, when underlying soils (and possibly groundwater) will be exposed, together, possibly with old structures.
Inhalation of vapours / gases	Pathway	Yes	This pathway exists due to the use of fuels and solvents, mercury and possibly landfilling or alluvial deposits.
Inhalation of dust	Pathway	Yes	Construction workers, neighbours and future users could potentially be at risk via this pathway unless all asbestos containing materials are adequately removed from site.
Vegetable uptake	Pathway	Yes	The development is likely to include garden areas.
Migration / leaching	Pathway	Yes	Migration and leaching could occur if not controlled, with permeable soils and underlying strata noted.
Run-off	Pathway	Yes	Run-off could occur during site works.
Migration through drains / services	Pathway	Yes	Drainage networks and service runs can provide pathways for contaminants to migrate, with the river a potential receptor of particular concern.
Water supply	Pathway / receptor	Yes	Investigation may be needed to assess the risks and any mitigation measures required. The water supply company should be consulted.
Construction workers	Receptor	Yes	Construction workers will be at risk during site demolition work, notably during asbestos removal, and removal of above and below ground structures.
Future users	Receptor	Yes	Future users, particularly residential, could be at risk unless site clearance is carried out thoroughly.
Neighbours	Receptor	No	There are no neighbours close to the site.
Surface water	Receptor	Yes	Surface water lies immediately adjacent to the site, close to the industrial buildings.
Perched water	Receptor	No	Perched water is not likely to be present due to the fairly permeable nature of the underlying soils and strata.
Superficial Aquifer	Receptor	Yes	The site is underlain by a Secondary A aquifer in the superficial deposits, with no overlying protection likely below the current surfacing. Groundwater is likely to be in continuum with the surface water in this location.
Bedrock Aquifer	Receptor	Yes	Groundwater is more likely to be in continuum with the surface water than with the underlying aquifer.
Sensitive environmental receptors	Receptor	Yes	The site lies adjacent to an SAC, the River Ehen, which therefore is a particularly sensitive receptor.

8.0 ENVIRONMENTAL RISK ASSESSMENT AND CONCEPTUAL SITE MODEL

Using information gathered in the desk top study, it is now possible to summarise the environmental hazards related to this site. These hazards are considered in terms of sources, pathways and receptors which can be used for carrying out risk assessments. In this model, the **source** is normally a contaminant or pollutant, with the **pathway** a route for a contaminant to move within the environment towards a receptor. A **receptor** can be a natural feature such as a river, groundwater or may include humans. The validity of each aspect, based on current information available, is then given together with a justification.

8.1 Environmental Regulations & Risk Ratings

This approach is in accordance with the Environmental Protection Act Part IIA, which state that a site is, or is not, contaminated depending on:-

- the risk of significant (or significant possibility of) harm being caused to various defined receptors.
- and/or risk of significant pollution (or significant possibility of) to controlled water.

Therefore the stated risk values also relate to the likelihood of the site being described as contaminated.

Rating	Explanation
Very high risk	There is a high probability that severe harm could arise to a given receptor from an identified hazard without appropriate risk management measures. There may already be evidence of an impact occurring or a high probability that the risk may be acute in nature.
High risk	Harm is likely to arise to a given receptor from an identified hazard at the site without appropriate risk management measures.
Medium risk	It is possible that without appropriate remedial action harm could arise to a given receptor but it is relatively unlikely that any such harm would be severe, and if any harm were to occur it is more likely that such harm would be relatively mild.
Low risk	It is possible that harm could arise to a given receptor from an identified hazard, but it is likely that at worst, that this harm if realised would normally be mild.
Very low risk	The presence of an identified hazard does not give rise to the potential to cause significant harm to a designated receptor.

8.2 Pollution Linkage Appraisal and Conceptual Site Model

A Pollution Linkage Appraisal has been produced showing only the items where linkage has been shown to exist or where there is incomplete information at this stage.

Potential sources on-site could be present on the industrial areas in the south and east, with a wide range of potential contaminants, including asbestos. Whilst the asbestos is not a risk to the environment, the other potential contaminants pose risks to both human receptors and the environment.

The following table indicates the potential outstanding risks. These are also shown graphically in Appendix 5.

Source	Pathway	Target	Risk Rating	Justification and requirements for additional information
Contaminants from on site sources	Dermal contact / ingestion of soil / water. Migration and inhalation of vapours / dusts / gases	Construction workers	High	At this stage, risks to construction workers have been assessed as being high due to the uncertainties on site. A pre-demolition asbestos survey, and site clearance and investigation will be required before the current risks can be fully assessed.
	Dermal contact / ingestion of soil / water / uptake via home grown vegetables. Migration and inhalation of vapours / gases	Future users	Medium to high	Details of the future development are not known at this stage, but are assumed to include residential use with gardens. At this stage, all risks to future users have been assessed as being medium to high due to the unknown underlying ground conditions and the potential for contamination to have occurred. Site clearance and investigation will be required before the potential risks can be fully assessed.
	Water supply pipes		Medium to high	Site investigation will be required as a minimum before the risks can be assessed. The utility company may require water pipe risk assessments to be carried out for adoption of new water supply pipes.
	Run-off / migration / leaching, including via drains / services	Surface water	High	The risks to the adjoining surface water have been assessed as being high during the decommissioning and demolition works mainly due to its proximity, but also the nature of the potential contaminants on site. The risks to surface water are linked strongly with risks to sensitive receptors, with the SAC designation.
		Sensitive receptors		
	Migration / leaching	Superficial aquifer	Medium to high	The underlying superficial aquifer is potentially at risk, notably during the decommissioning works. It is likely to be in continuum with the river. Further information is required regarding the ground conditions, hydrogeology, hydrology and contamination status.
		Bedrock aquifer	Medium	The underlying bedrock aquifer is potentially at risk, notably during decommissioning works. Further information is required regarding the ground conditions, hydrogeology and contamination status.

9.0 CONCLUSIONS AND RECOMMENDATIONS

The historical industrial use of the southern, and to a lesser extent the eastern, sections of the site may have resulted in pockets of contaminants being present under the buildings or hard standing, or within old underground structures.

Aspects that will have to be considered include:

- fuel residues, from petroleum compounds to gas works residues, primarily across the southeastern section;
- old, trapped, residues from up to 200 years of site use in some locations;
- landfilled or dumped ash, gas works waste and general waste materials;
- it is not known how the mill race was infilled;
- asbestos fibres could be present within waste;
- given the proximity and nature of the river in this location, there could be organic alluvial deposits on site that have the potential to produce ground gases on decomposition;
- residues in drains and pipes are likely to be still present, and possibly capable of discharging to the river;
- iron ore mining is not thought to be of concern in this area, but the available information could be incomplete.

The most sensitive potential environmental receptor is the river, with its SAC status, which is due to the high quality of the water and presence of freshwater pearl mussels (as well as Atlantic salmon).

Construction workers are potentially at risk from asbestos fibres, a wide range of soil and, possibly water, organic and inorganic contaminants, volatile fuel vapours, ground gases and mercury vapours.

Future users could be at risk if the site conditions are not adequately investigated and remediated or mitigated, as appropriate.

Neighbours are not considered to be at significant risk.

Japanese knotweed is known to be present on site in at least one location. A survey of invasive weeds will be required, prior to a scheme of eradication being drawn up.

APPENDIX 1 – Site Location

Location Map

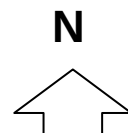


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Drawn by: J C Cooper
Reviewed by: R Hopgood
Approved by: T Elliott

 **Site**



Scale@A4 1:50,000

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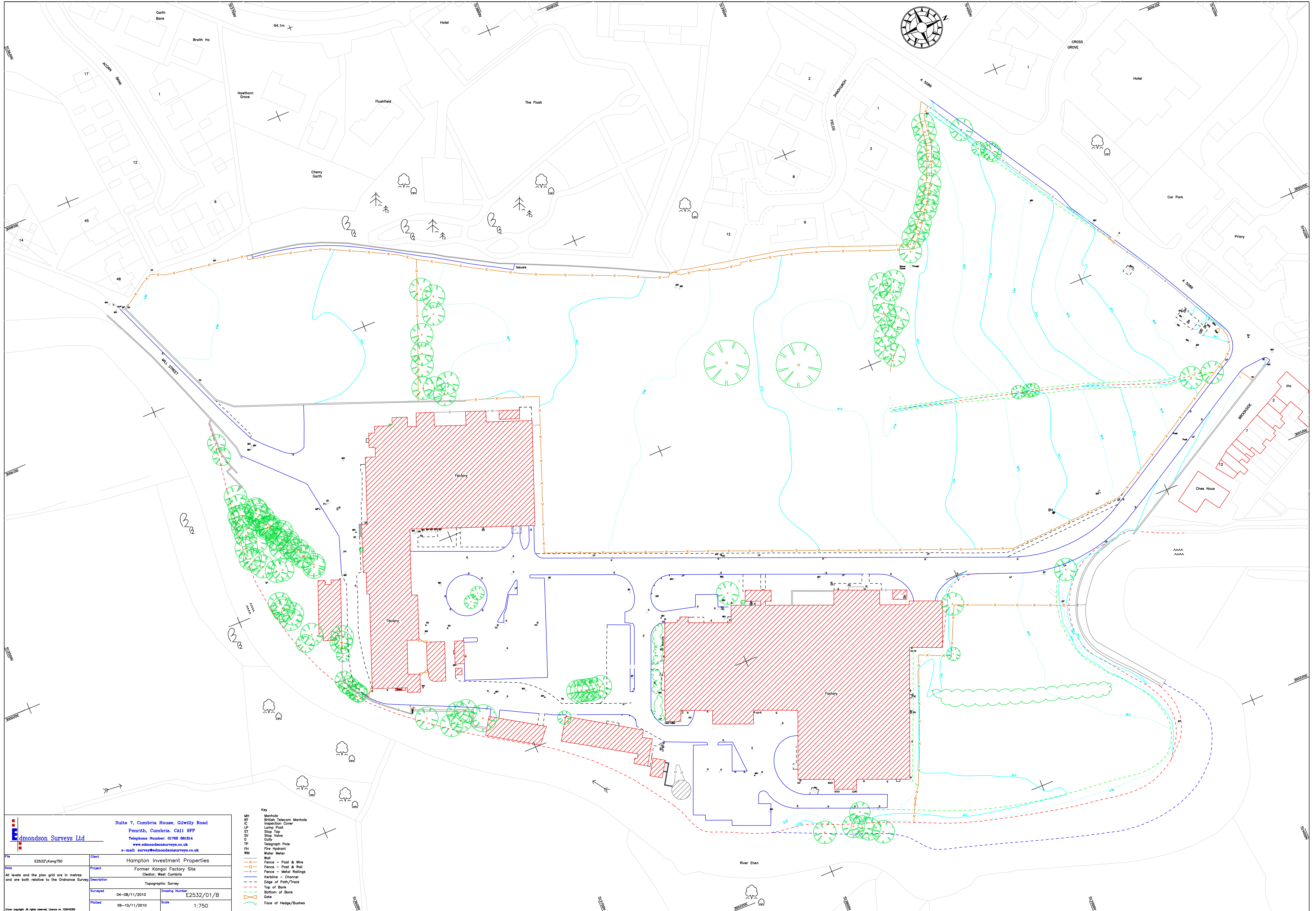
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EES13-061 Cleator Mills, Cleator Moor
24 June 2013

APPENDIX 2 – Site Layout Plans



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File	E2532/Kang750	Client	Hampton Investment Properties
Notes	All levels and the plan grid are in metres and are both relative to the Ordnance Survey	Project	Former Kangol Factory Site Cleator, West Cumbria
		Description	Topographic Survey
		Surveyed	04-08/11/2010
		Drawing Number	E2532/01/B
		Plotted	09-10/11/2010
		Scale	1:750

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- Key
- MBT Manhole
 - BT British Telecom Manhole
 - IC Inspection Cover
 - LP Lamp Post
 - ST Stop Tap
 - SV Stop Valve
 - G Gully
 - TP Telegraph Pole
 - FH Fire Hydrant
 - WM Water Meter
 - Wall
 - - - Fence - Post & Wire
 - - - Fence - Post & Rail
 - - - Fence - Metal Railings
 - - - Kerbline - Channel
 - - - Edge of Path/Track
 - - - Top of Bank
 - - - Bottom of Bank
 - - - Gate
 - - - Face of Hedge/Bushes

APPENDIX 3 – Photographs

PHOTOGRAPHS



Photo 1: Site from northern end



Photo 2: Greenfield section of the sit from south



**Photo 3: Southern end of old mill, in far south of the site,
from Mill Street**

PHOTOGRAPHS



Photo 4: Probably original path of the mill race to the south



Photo 5: Chimney and oil tanks to north of the end of the southeastern end of the mill building, facing east



Photo 6: Interior of 1960s addition, to northwest of older building with cement roof and debris

PHOTOGRAPHS



Photo 7: Asbestos insulation board waste in building



Photo 8: Glue cabinet in older section of mill building



Photo 9: Hat forming equipment

PHOTOGRAPHS



Photo 10: Further old hat making machinery remaining on site



Photo 11: Derelict building in far south, heavily vegetated with trees beyond, down to the river



Photo 12: River Ehen to south of the site, facing west

PHOTOGRAPHS



Photo 13: Outlet pipe to river from eastern section of the site



Photo 14: External boiler house for factory in east of the site, near to the river, with water tank beyond



Photo 15: Gates factory to east of site, from west

APPENDIX 4 – Envirocheck Report

General

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

Agency and Hydrological

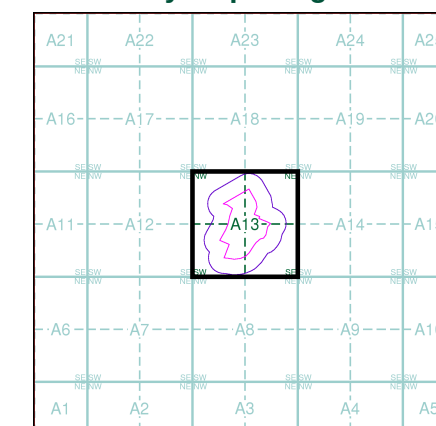
- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- ◇ Discharge Consent
- ▲ Enforcement or Prohibition Notice
- ▲ Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- ▲ 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
- ▼ BGS Recorded Mineral Site
- ▼ 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

Waste

Hazardous Substances

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

Site Sensitivity Map - Segment A13

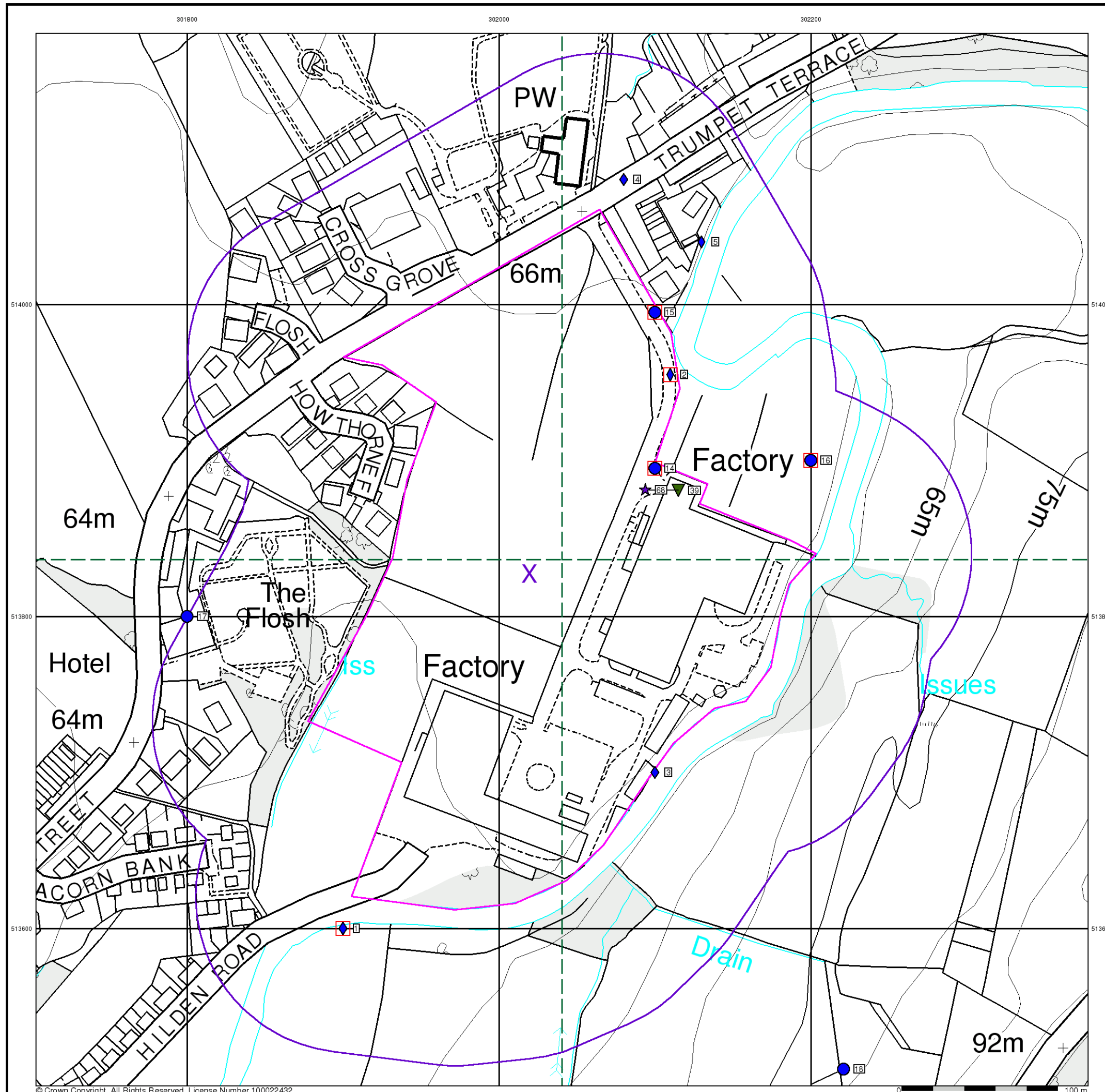


Order Details

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 National Grid Reference: 302020, 513830
 Slice: A
 Site Area (Ha): 8.14

Site Details

Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria, CA23 3DU



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
-  NIHS Site
-  Planning Hazardous Substance Consent
-  Planning Hazardous Substance Enforcement

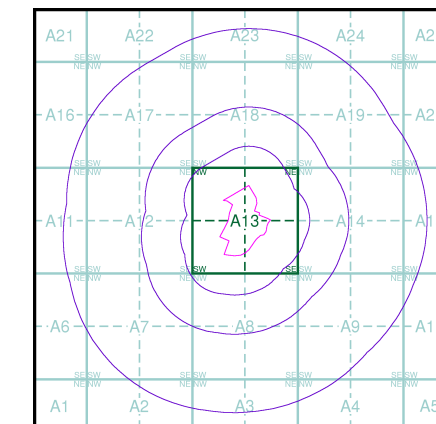
Geological

-  BGS Recorded Mineral Site

Industrial Land Use

-  Contemporary Trade Directory Entry
-  Fuel Station Entry

Site Sensitivity Map - Slice A

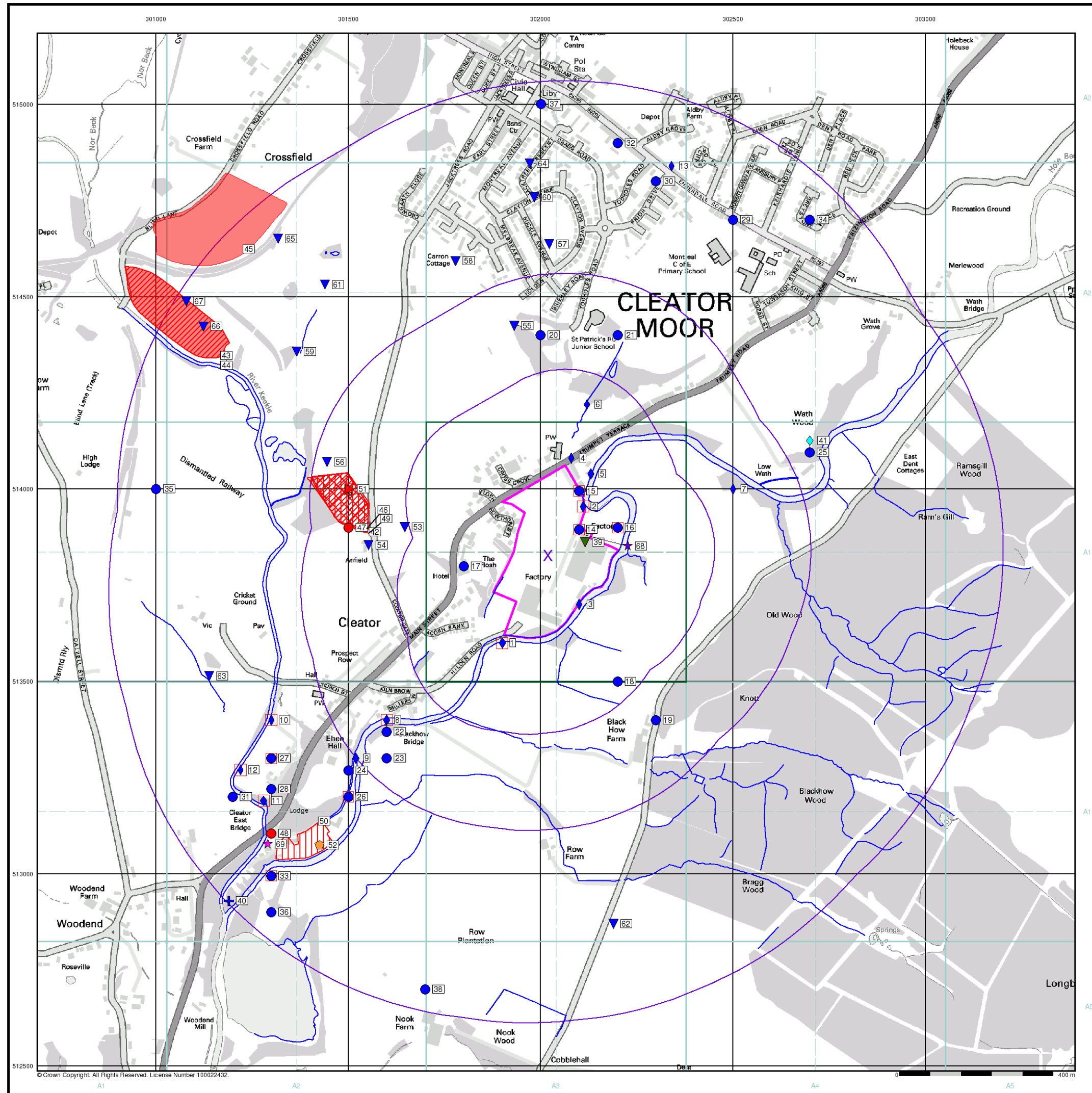


Order Details

Order Number: 46283628_1_1
 Customer Ref: EES13-061
 National Grid Reference: 302020, 513830
 Slice: A
 Site Area (Ha): 8.14
 Search Buffer (m): 1000

Site Details

Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria, CA23 3DU



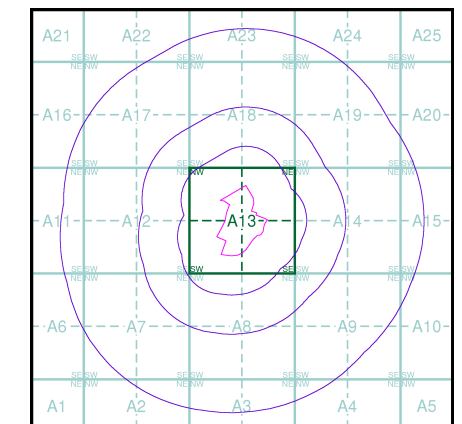
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A

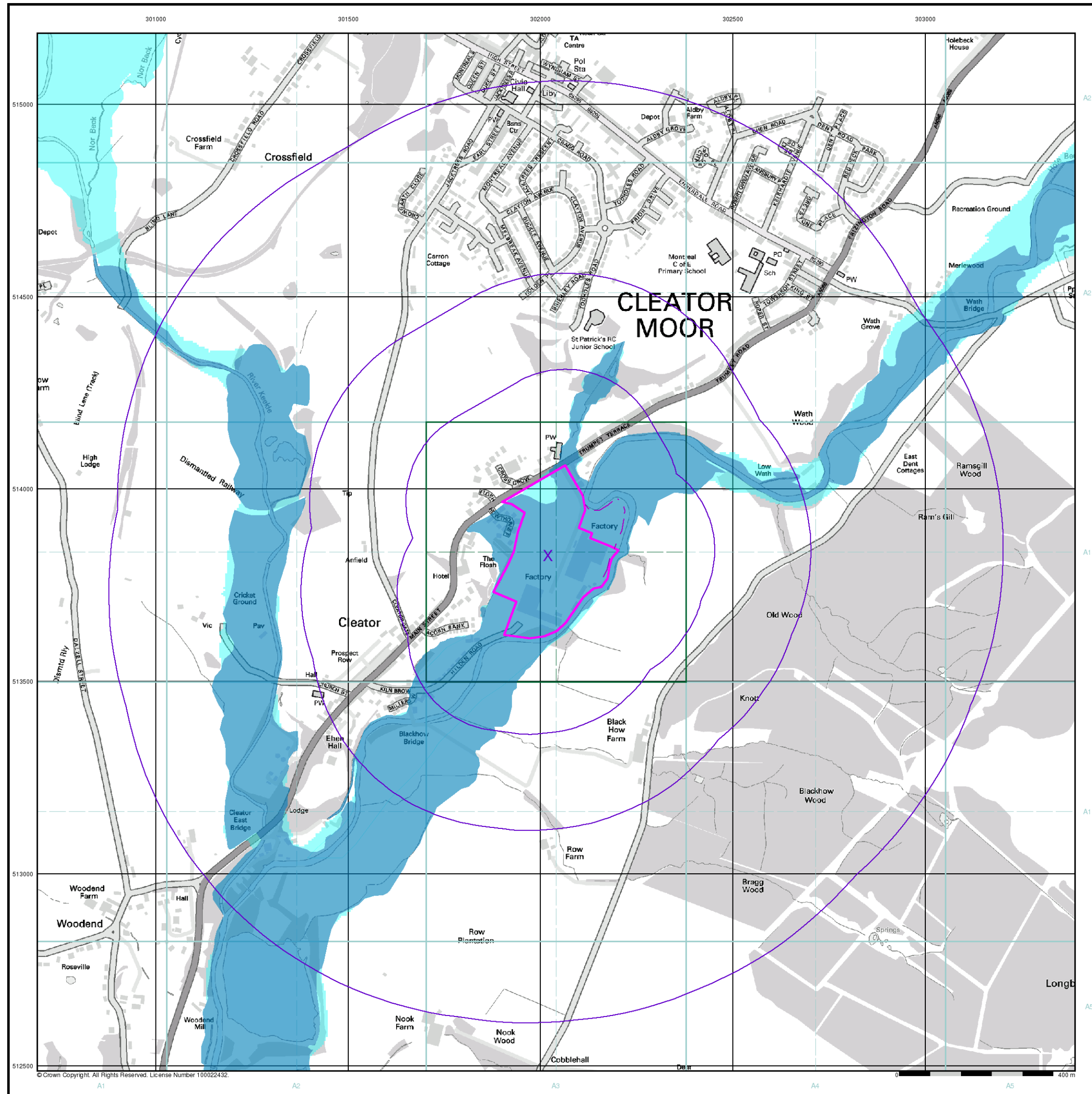


Order Details

Order Number: 46283628_1_1
 Customer Ref: EES13-061
 National Grid Reference: 302020, 513830
 Slice: A
 Site Area (Ha): 8.14
 Search Buffer (m): 1000

Site Details

Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria, CA23 3DU



General

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

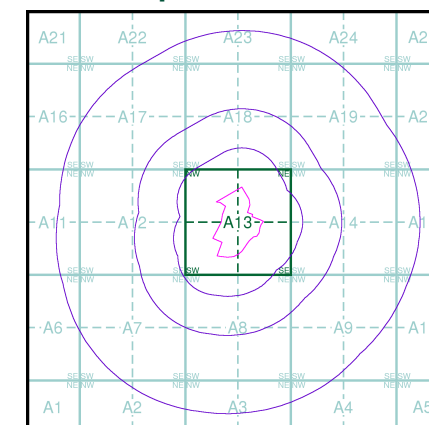
Agency and Hydrological (Boreholes)

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

For Borehole information please refer to the Borehole datasheet 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

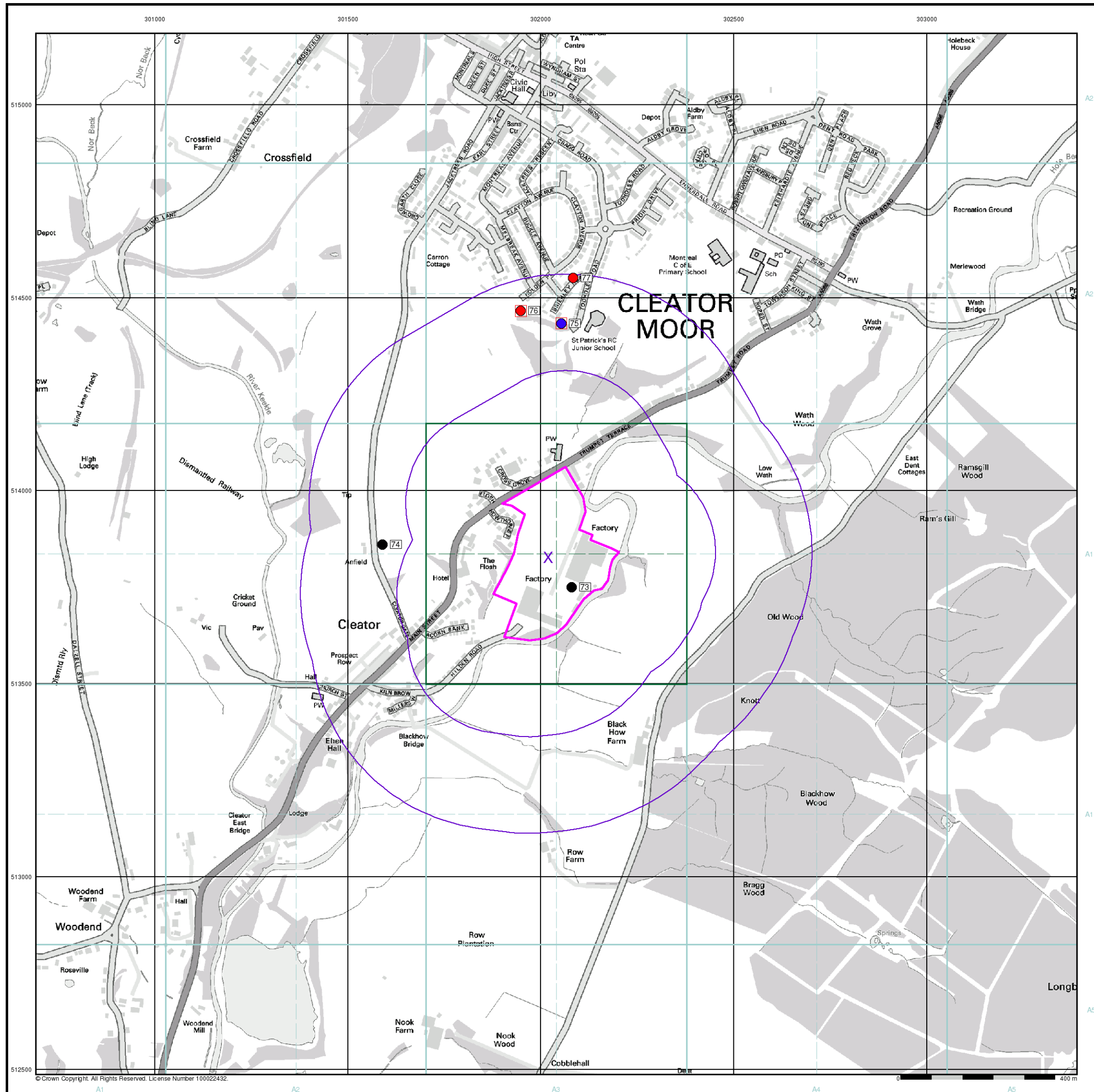


Order Details

Order Number: 46283628_1_1
Customer Ref: EES13-061
National Grid Reference: 302020, 513830
Slice: A
Site Area (Ha): 8.14
Search Buffer (m): 1000

Site Details

Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria, CA23 3DU

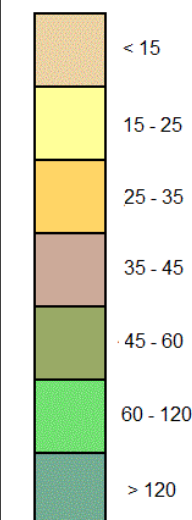


General

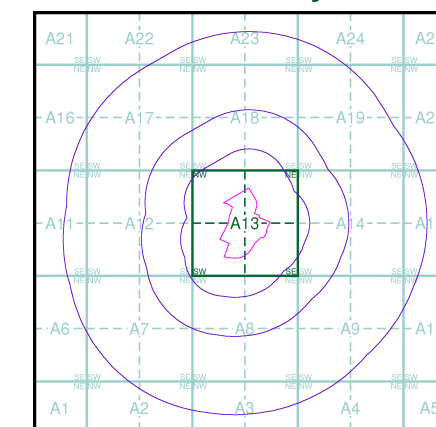
 Specified Site
  Specified Buffer(s)
  Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A

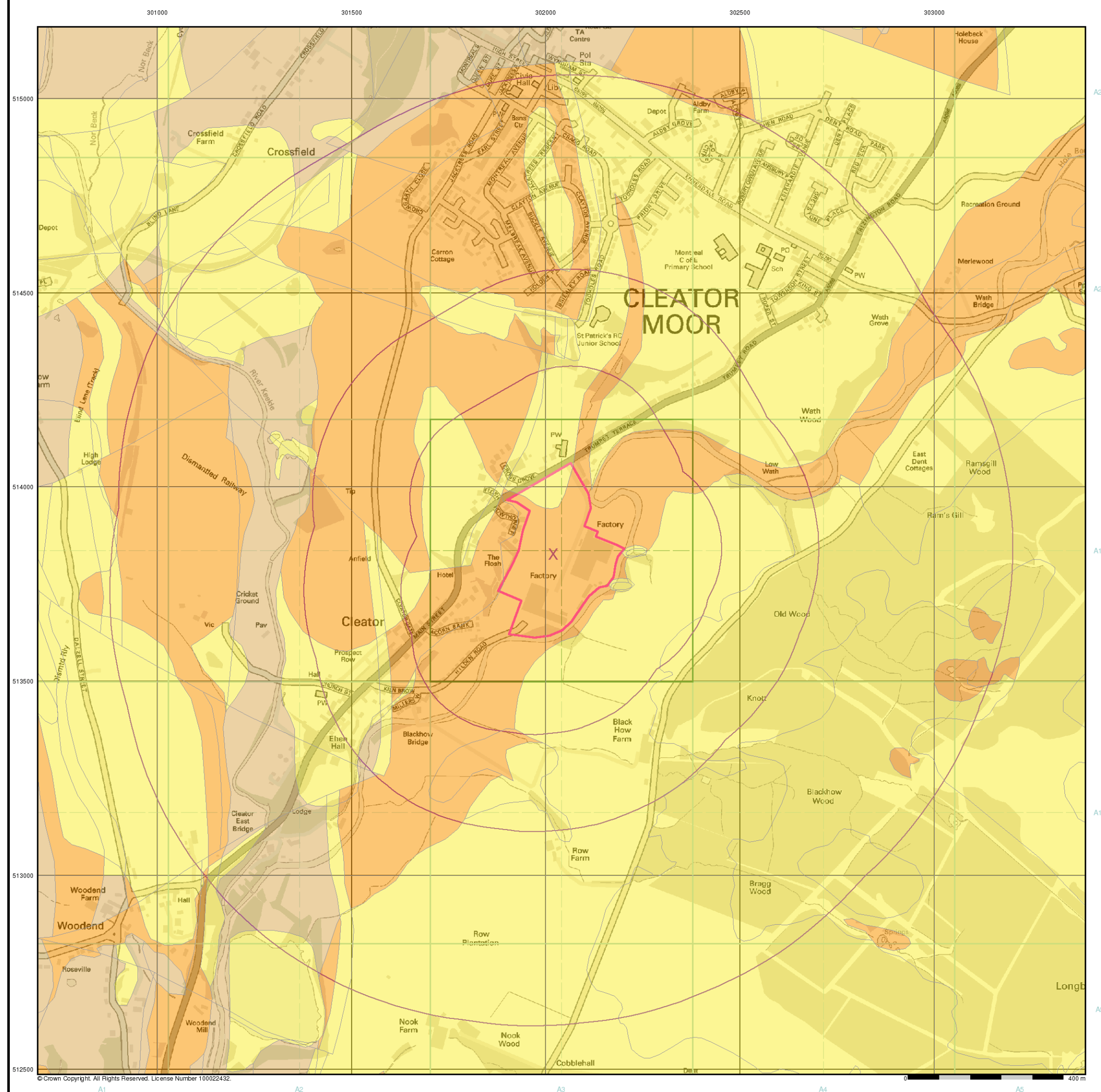


Order Details

Order Details: 46283628_1_1
 Customer Ref: EES13-061
 National Grid Reference: 302020, 513830
 Slice: A
 Site Area (Ha): 8.14
 Search Buffer (m): 1000

Site Details

Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria, CA23 3DU

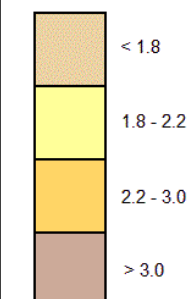


General

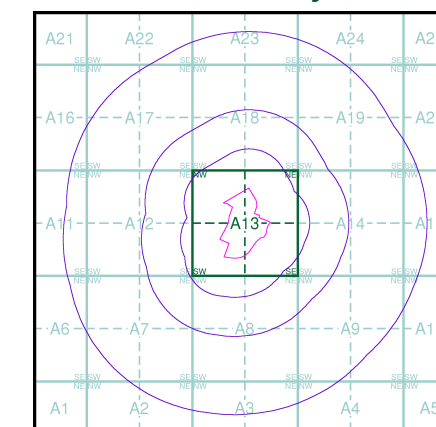
 Specified Site
  Specified Buffer(s)
  Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A

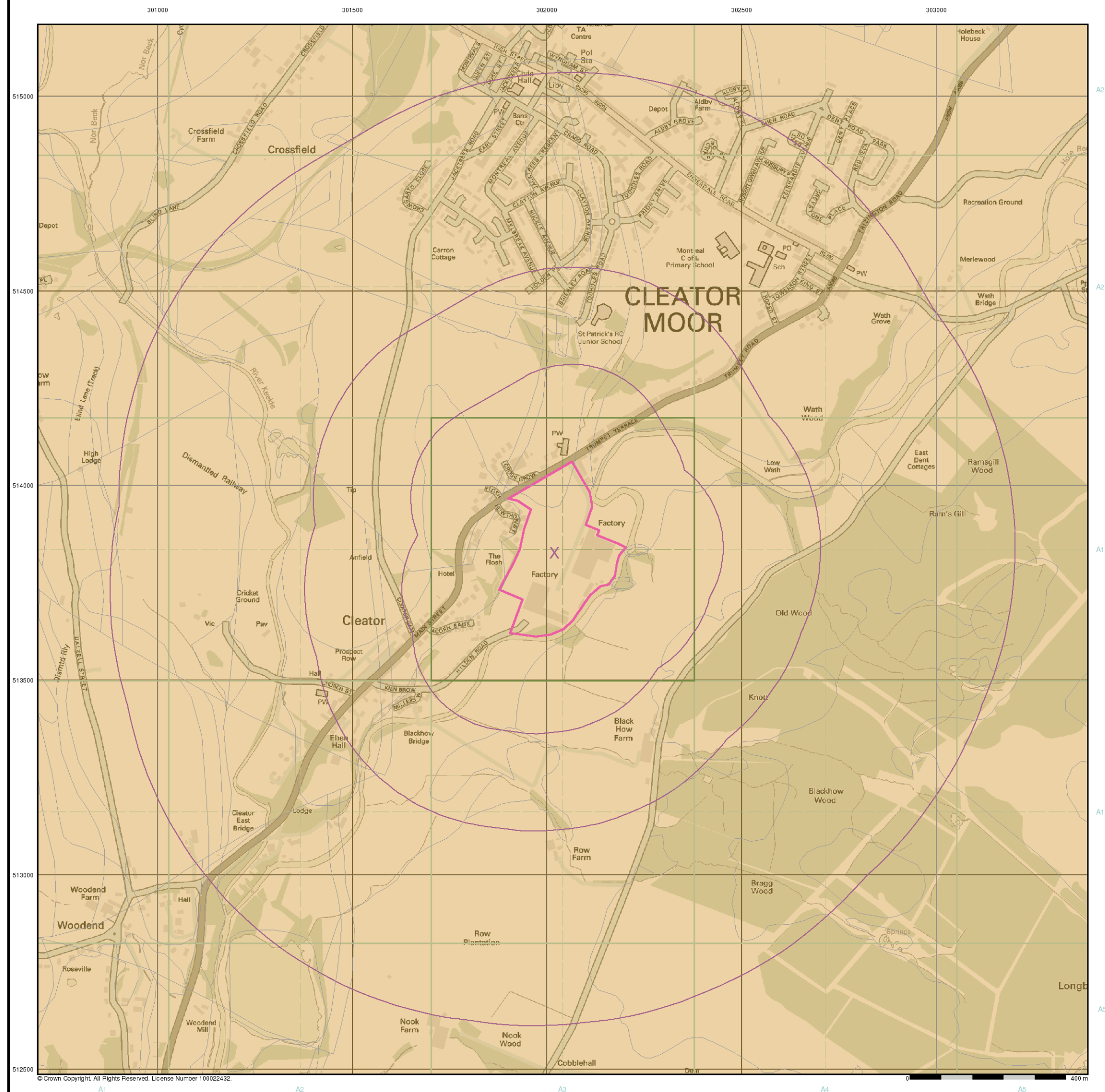


Order Details

Order Details: 46283628_1_1
 Customer Ref: EES13-061
 National Grid Reference: 302020, 513830
 Slice: A
 Site Area (Ha): 8.14
 Search Buffer (m): 1000

Site Details

Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria, CA23 3DU

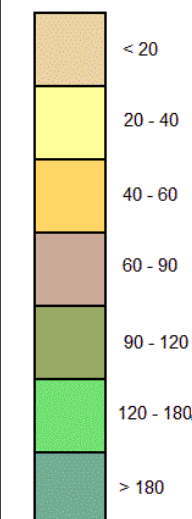


General

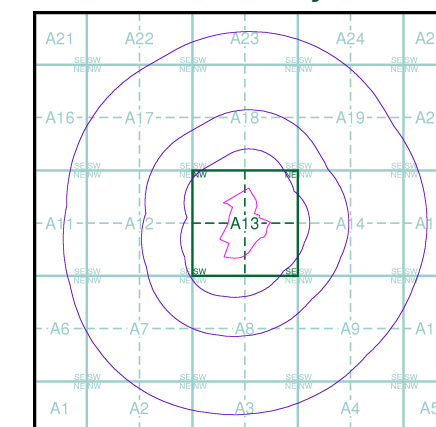
 Specified Site  Specified Buffer(s)  Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

Order Details: 46283628_1_1
Customer Ref: EES13-061
National Grid Reference: 302020, 513830
Slice: A
Site Area (Ha): 8.14
Search Buffer (m): 1000

Site Details

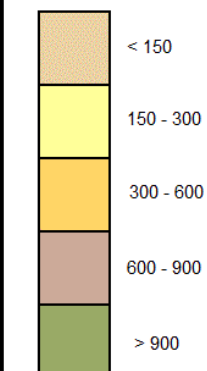
Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria, CA23 3DU

General

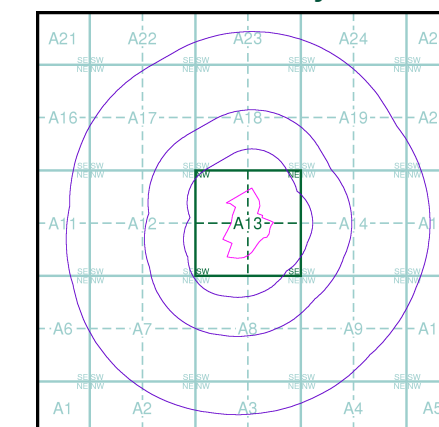
 Specified Site
  Specified Buffer(s)
  Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A

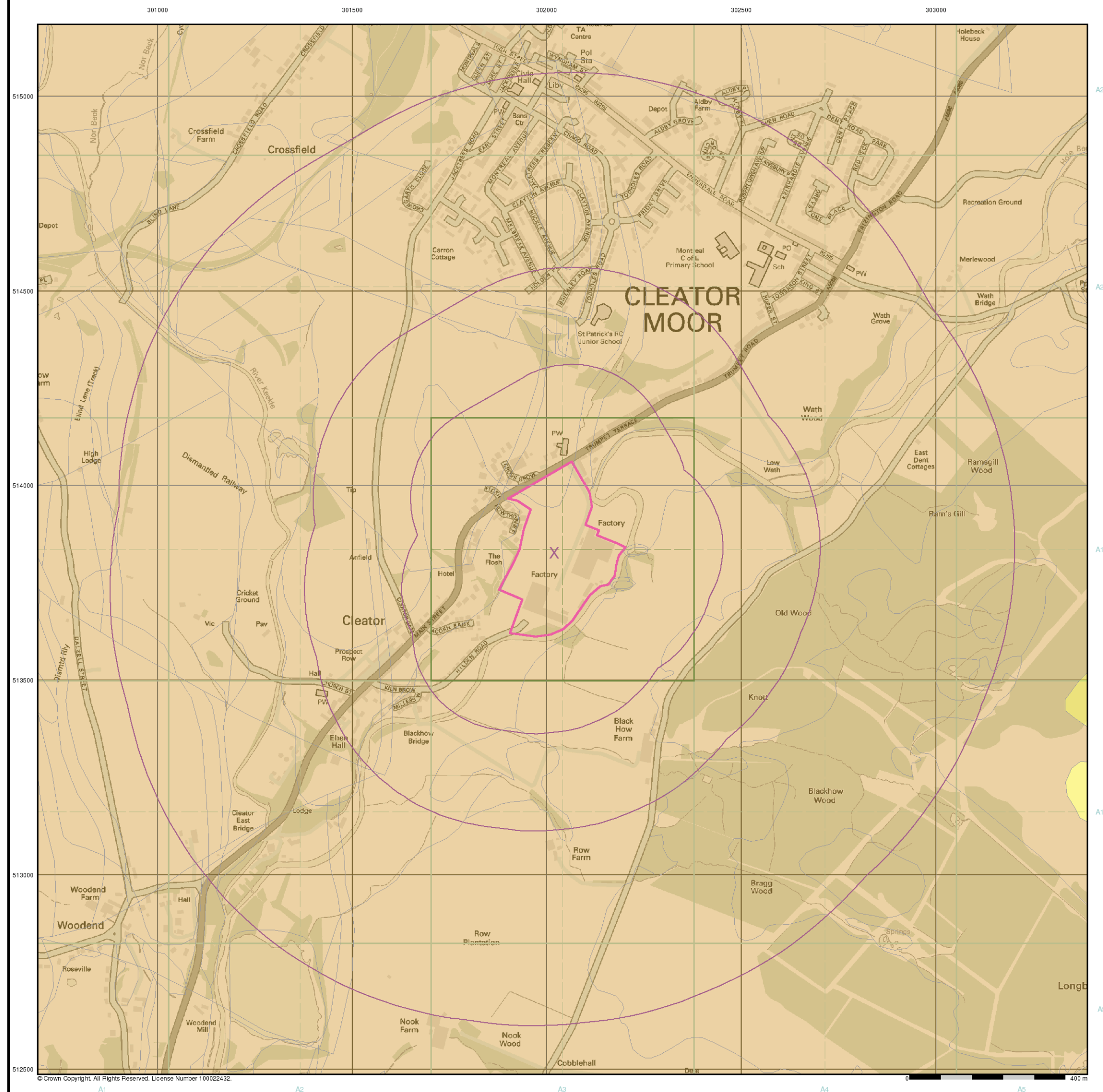


Order Details

Order Details: 46283628_1_1
 Customer Ref: EES13-061
 National Grid Reference: 302020, 513830
 Slice: A
 Site Area (Ha): 8.14
 Search Buffer (m): 1000

Site Details

Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria, CA23 3DU

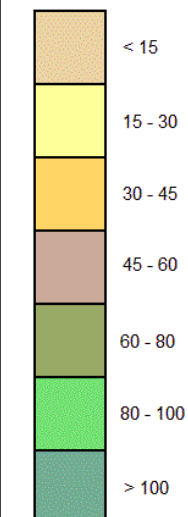


General

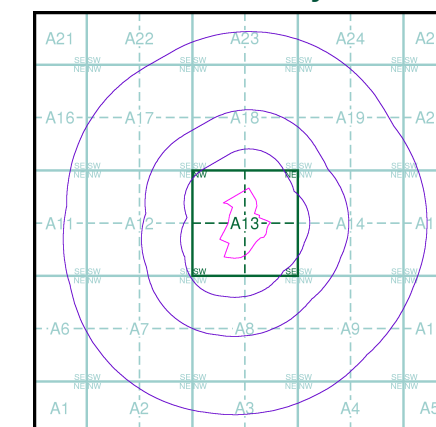
 Specified Site
  Specified Buffer(s)
  Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A

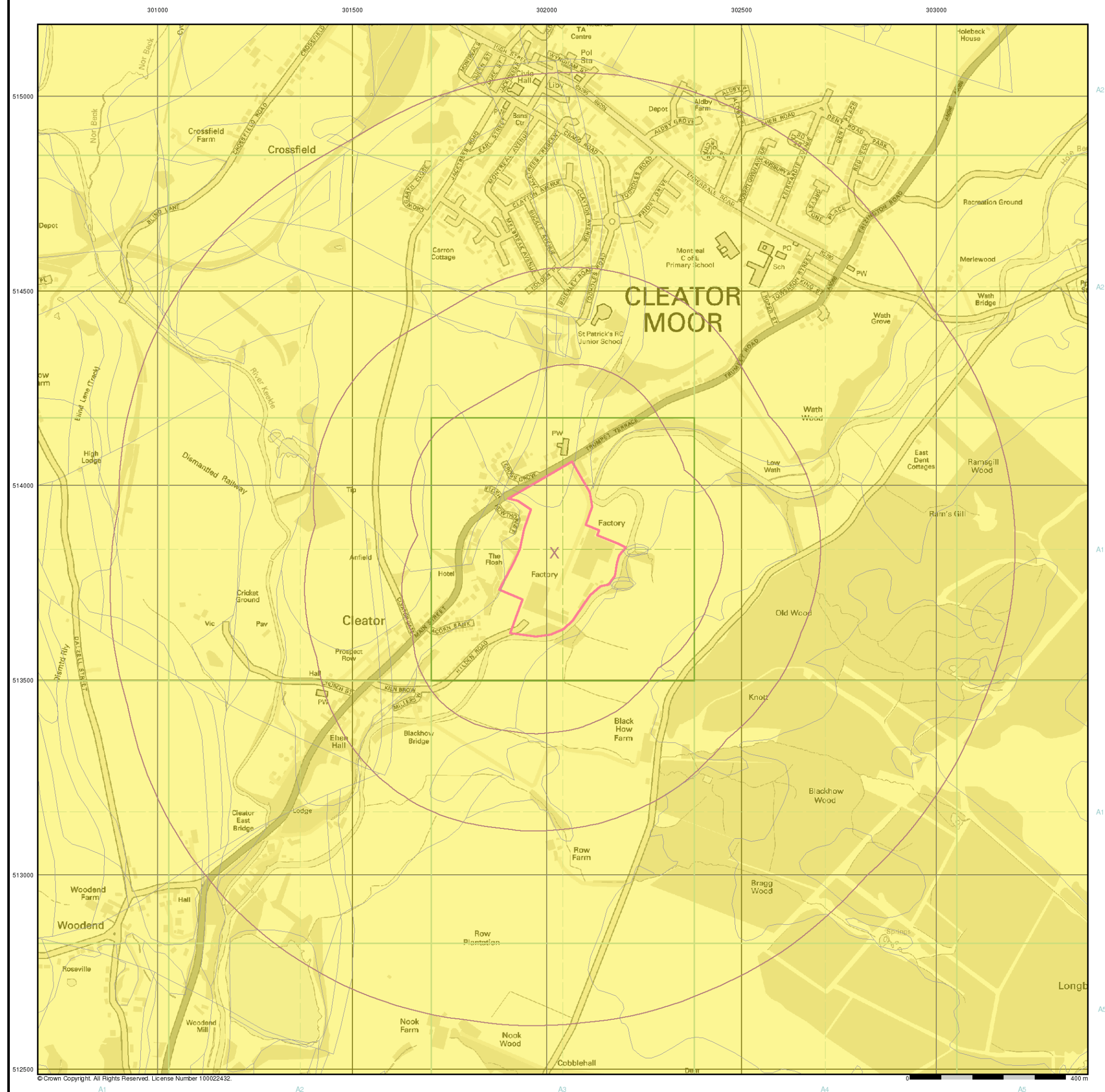


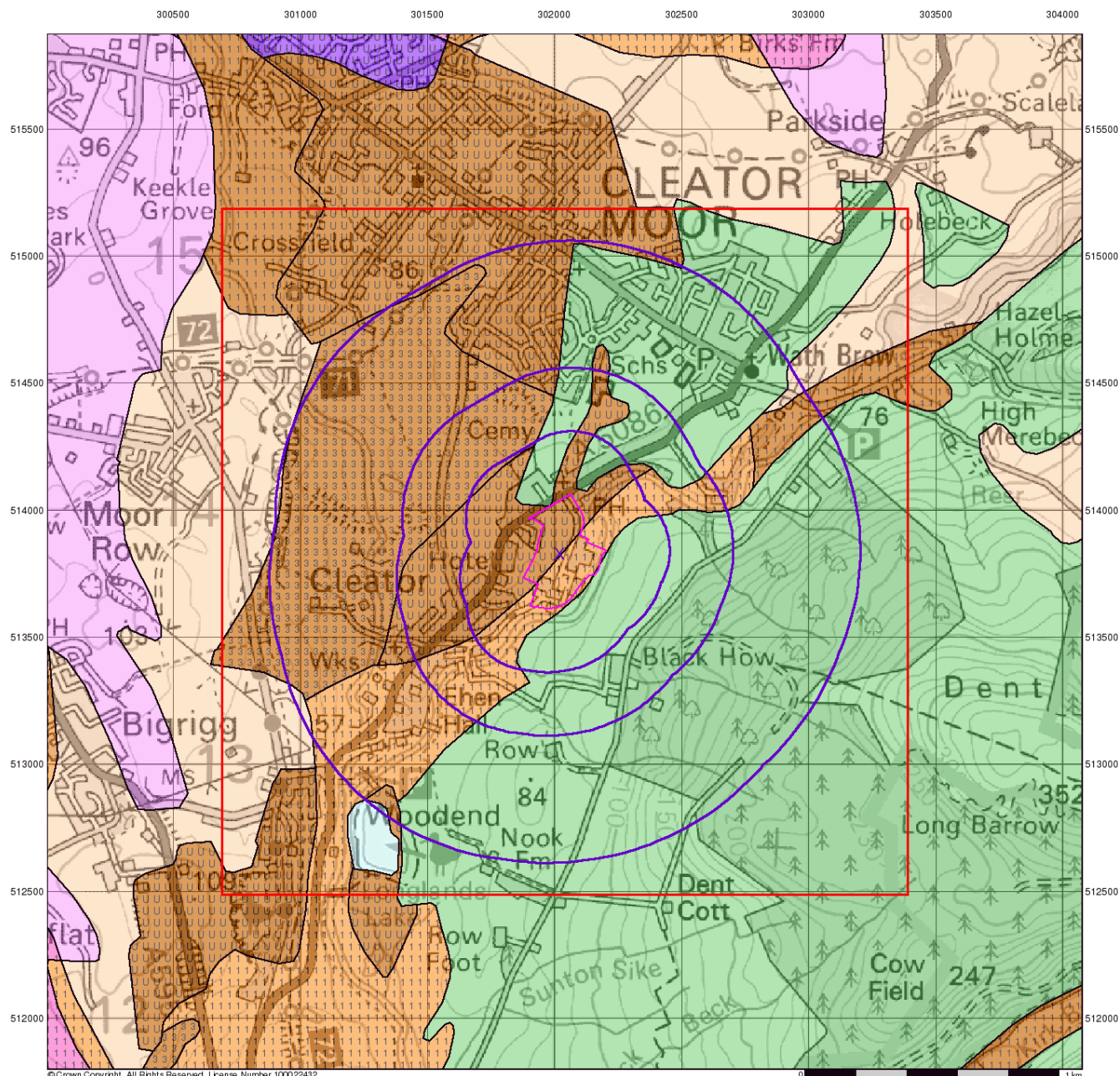
Order Details

Order Details: 46283628_1_1
 Customer Ref: EES13-061
 National Grid Reference: 302020, 513830
 Slice: A
 Site Area (Ha): 8.14
 Search Buffer (m): 1000

Site Details

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Groundwater Vulnerability

General

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

Agency and Hydrological

Geological Classes

**Major Aquifer
(Highly Permeable)**

**Minor Aquifer
(Variably Permeable)**

**Non Aquifer
(Negligibly Permeable)**

Water or Sea

Drift Deposit

Soil Classes

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

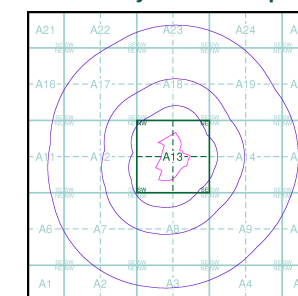
Low

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

Low

Site Sensitivity Context Map - Slice A



Order Details

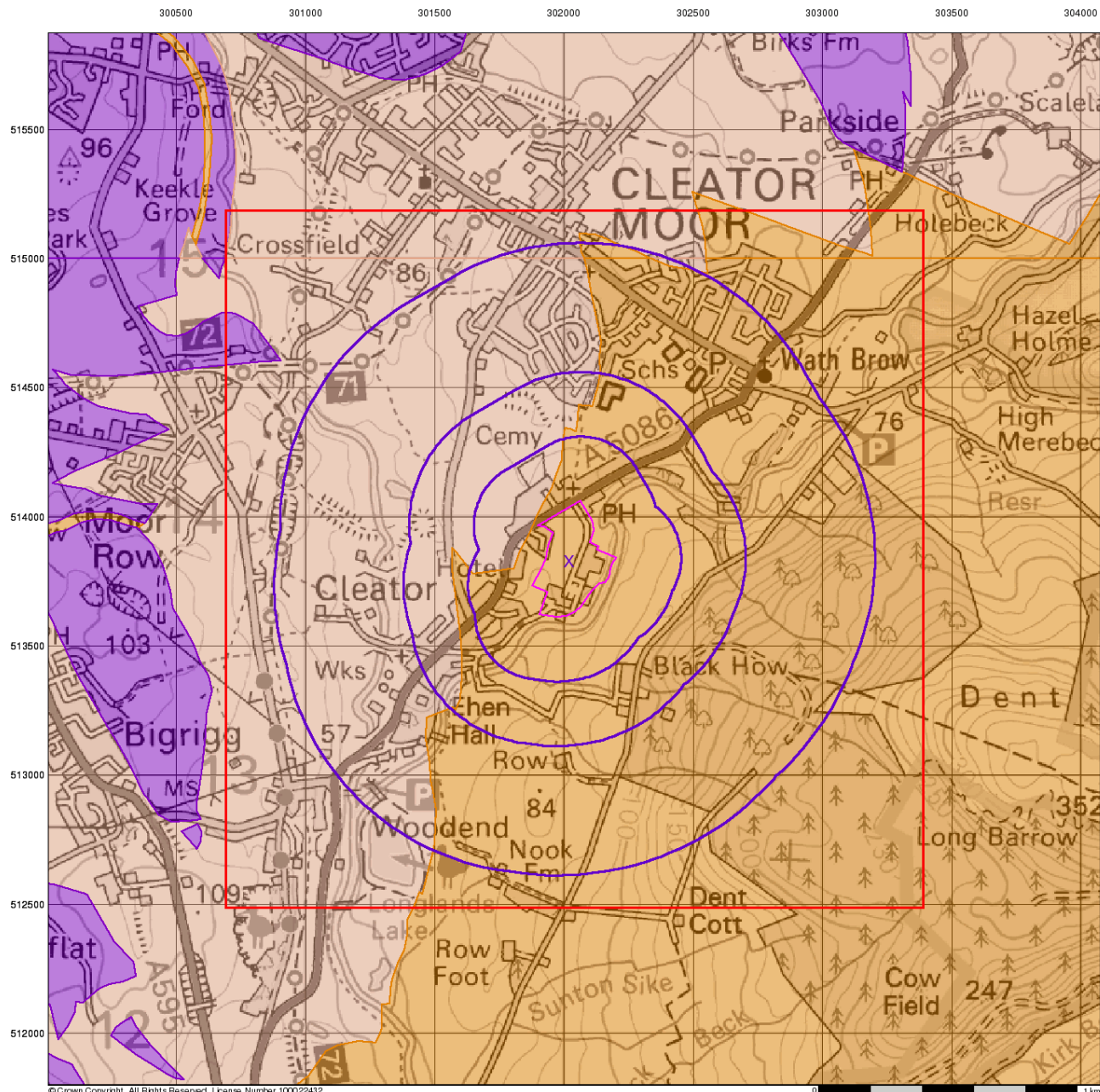
Order Number: 46283628 1.1
 Customer Ref: EES13-061
 National Grid Reference: 302020, 513830
 Slice: A
 Site Area (Ha): 8.14
 Search Buffer (m): 1000

Site Details

Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria, CA23 3DU



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



Bedrock Aquifer Designation

General

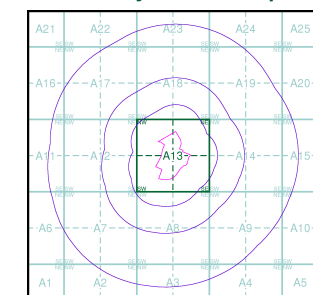
- Specified Site
- Specified Buffer(s)
- x Bearing Reference Point
- Slice
- 8 Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A



Order Details

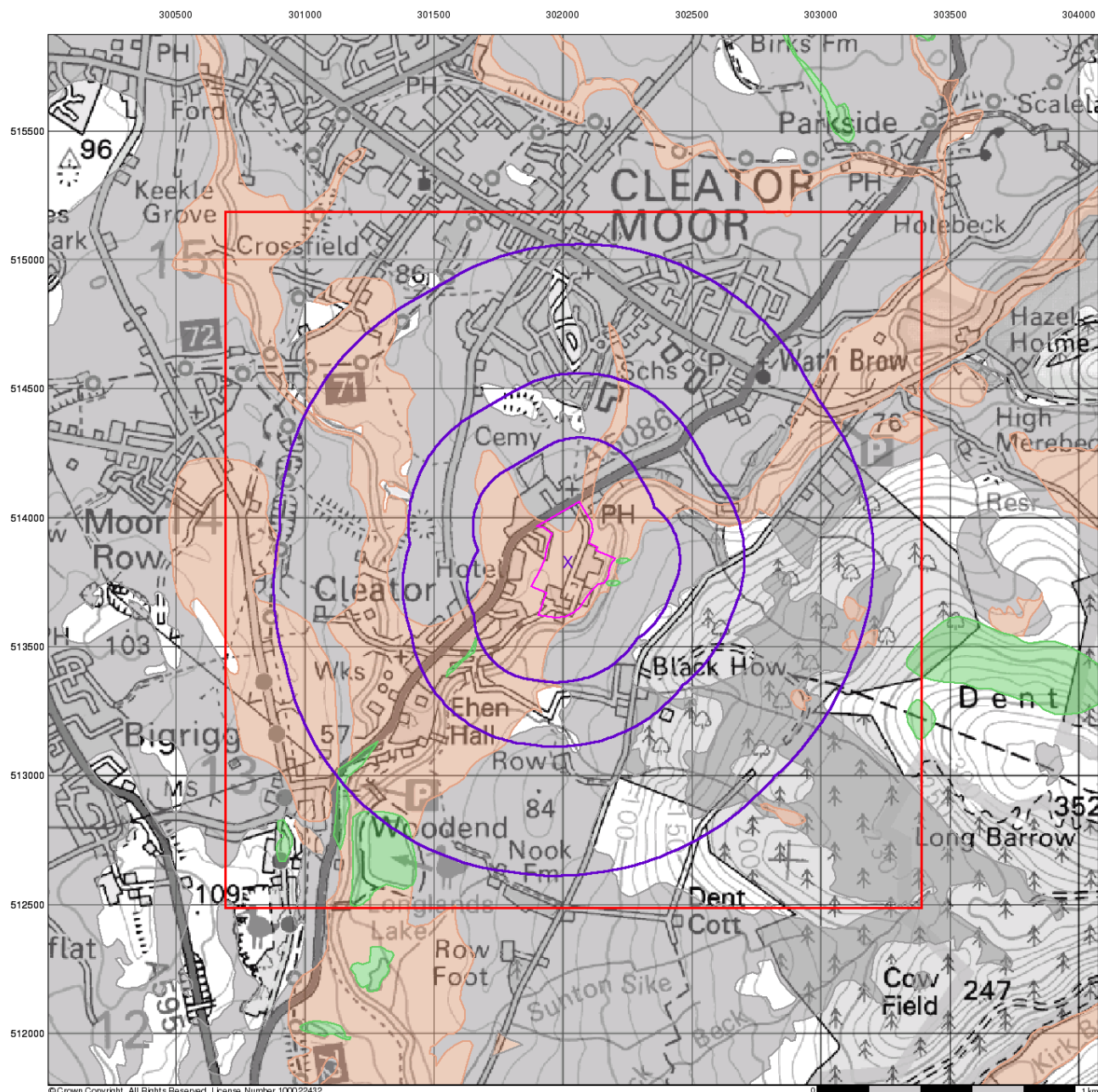
Order Number: 46283628 1.1
 Customer Ref: EES13-061
 National Grid Reference: 302020, 513830
 Slice: A
 Site Area (Ha): 8.14
 Search Buffer (m): 1000

Site Details

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



Superficial Aquifer Designation

General

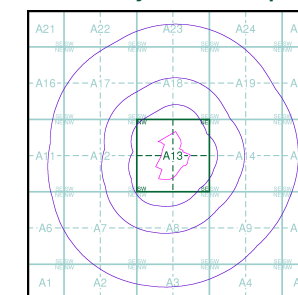
- ◊ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A



Order Details

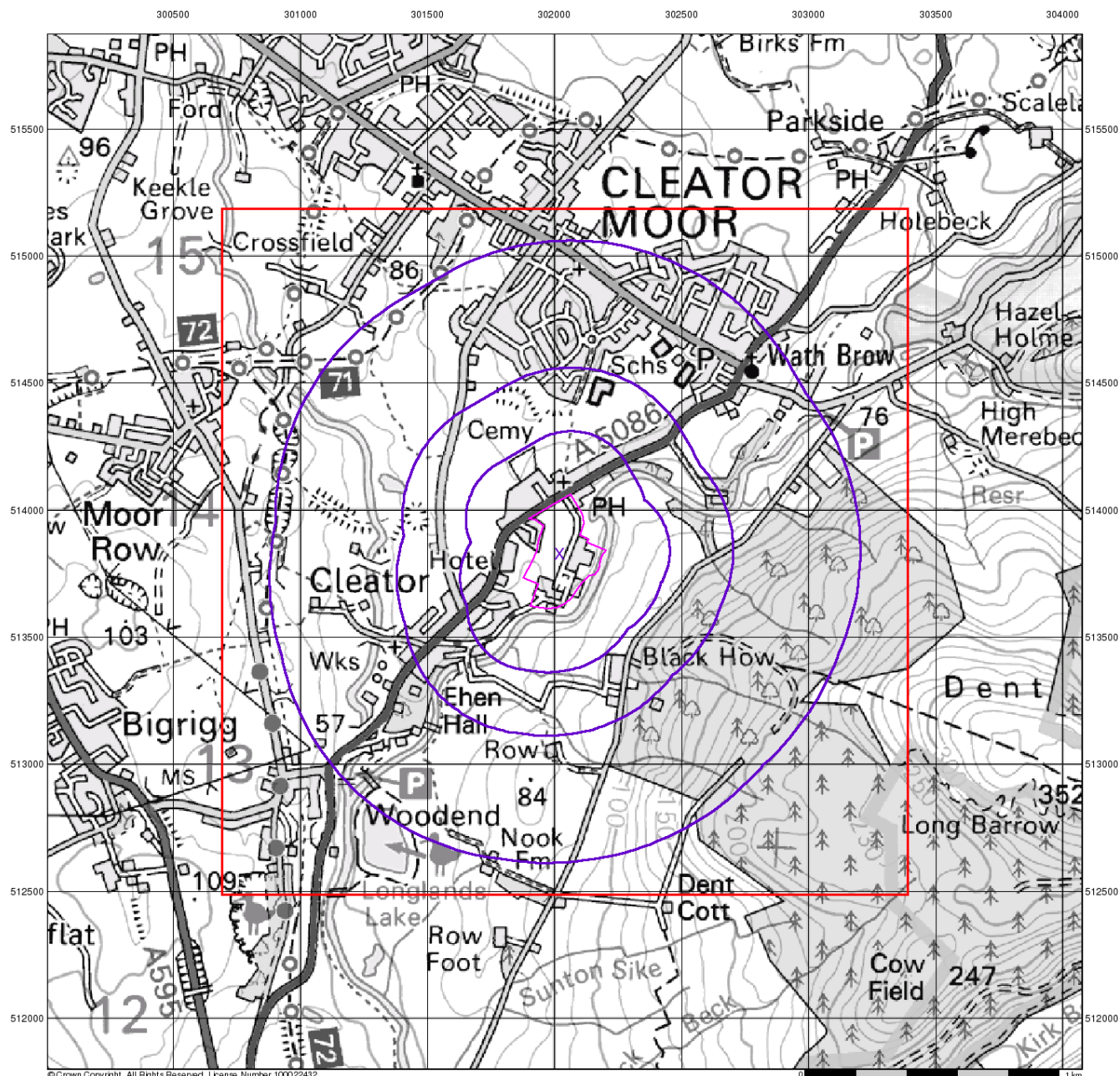
Order Number: 46283628 1_1
 Customer Ref: EES13-061
 National Grid Reference: 302020, 513830
 Slice: A
 Site Area (Ha): 8.14
 Search Buffer (m): 1000

Site Details

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Source Protection Zones

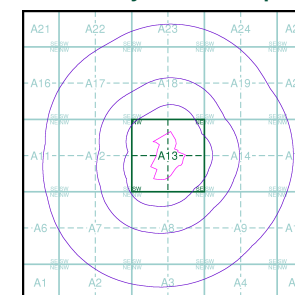
General

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

Agency and Hydrological

- Source Protection Zone I
- Source Protection Zone II
- Source Protection Zone III
- Zone of Special Interest
- Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A



Order Details

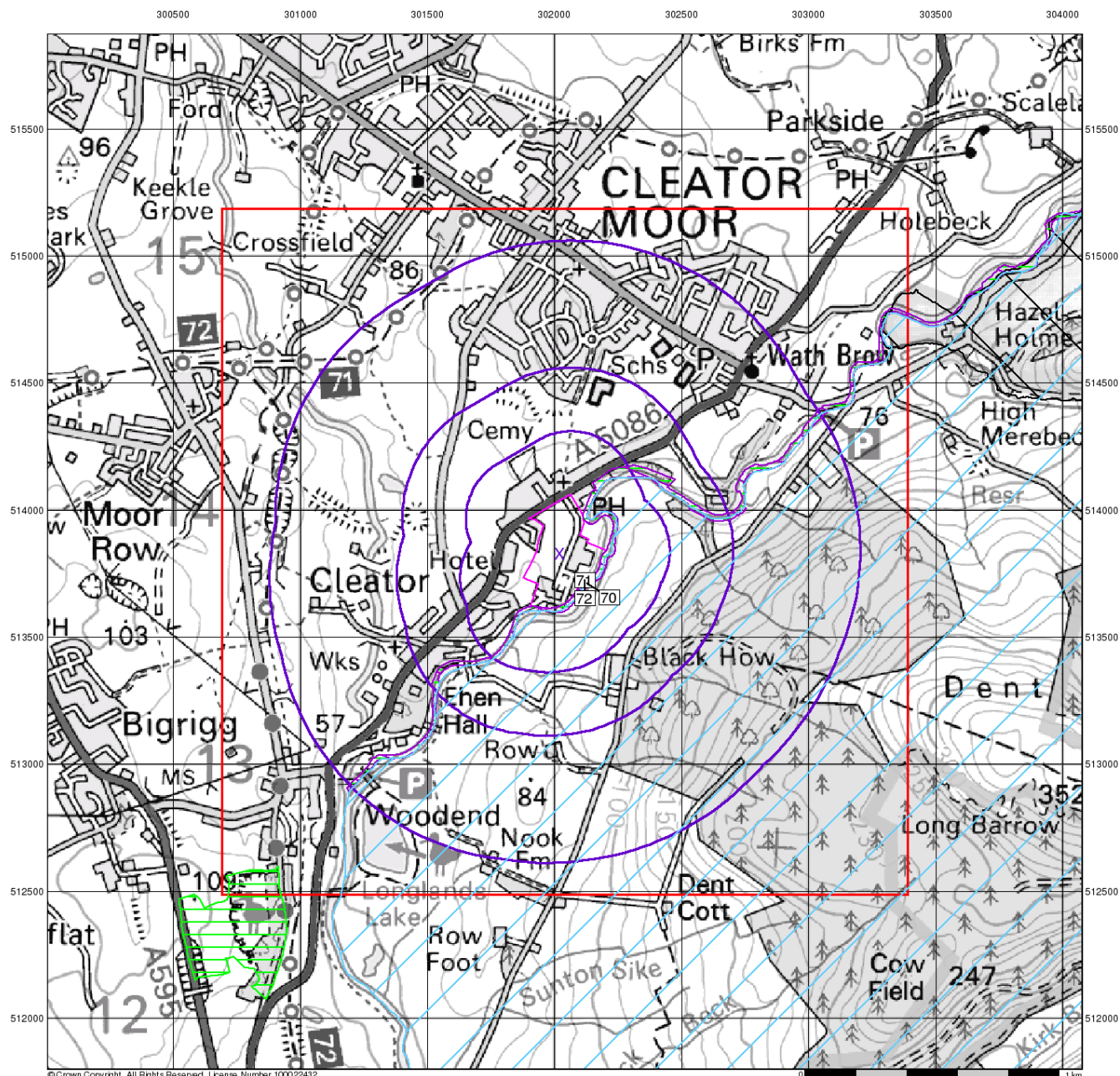
Order Number: 46283628_1_1
 Customer Ref: EES13-061
 National Grid Reference: 302020, 513830
 Slice: A
 Site Area (Ha): 8.14
 Search Buffer (m): 1000

Site Details

Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria, CA23 3DU



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Sensitive Land Uses

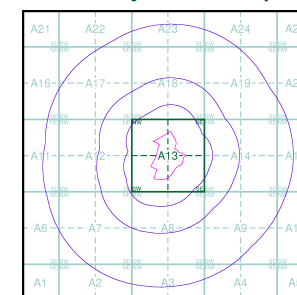
General

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

Sensitive Land Uses

- 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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 46283628 1_1
 Customer Ref: EES13-061
 National Grid Reference: 302020, 513830
 Slice: A
 Site Area (Ha): 8.14
 Search Buffer (m): 1000

Site Details

Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria, CA23 3DU



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

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

46283628_1_1

Customer Reference:

EES13-061

National Grid Reference:

302020, 513830

Slice:

A

Site Area (Ha):

8.14

Search Buffer (m):

1000

Site Details:

Former Kangol Factory

Cleator Mills

CLEATOR

Cumbria

CA23 3DU

Client Details:

Mr T Elliott

Elliott Environmental Surveyors

Mallan House

Bridge End Industrial Estate

Hexham

Northumberland

NE46 4DQ

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	19
Hazardous Substances	-
Geological	24
Industrial Land Use	60
Sensitive Land Use	61
Data Currency	62
Data Suppliers	66
Useful Contacts	67

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 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 the attached 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 v47.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1	3	5	5	21
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 9	Yes			
Pollution Incidents to Controlled Waters	pg 9	3	5	5	19
Prosecutions Relating to Authorised Processes	pg 14	1			
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality	pg 15	1			2
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points	pg 16				1
Substantiated Pollution Incident Register					
Water Abstractions	pg 16				1 (*1)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 17	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 17	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 17	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 17	Yes	Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 18	Yes		n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences	pg 18	Yes		n/a	n/a
Waste					
BGS Recorded Landfill Sites	pg 19			1	1
Historical Landfill Sites	pg 19				2
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 19			1	
Licensed Waste Management Facilities (Locations)	pg 19			1	1
Local Authority Recorded Landfill Sites	pg 20			1	1
Registered Landfill Sites	pg 21			3	
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 23				1

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
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 24	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 24	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 54			4	11
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas	pg 56	Yes	n/a	n/a	n/a
Mining Instability	pg 56	Yes	n/a	n/a	n/a
Man-Made Mining Cavities	pg 57			1	5
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 57	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 58	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 58	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 58		Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 58	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 58	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 59	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 59	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 59	Yes	n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 60	1			n/a
Fuel Station Entries	pg 60				1

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas	pg 61		1		
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	pg 61	1			
Special Areas of Conservation	pg 61	1			
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Pumping Station - Water Company Location: The Flish, Cleator, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01cop0021 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: River Ehen Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m	A13SW (S)	0	1	301940 513620
1	Discharge Consents Operator: Kangol Wear Ltd Property Type: Miscellaneous Textiles Location: Kangol Wear Ltd, Cleator Mills, Cleator Moor, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 017490073 Permit Version: 1 Effective Date: 22nd September 1966 Issued Date: Not Supplied Revocation Date: 4th October 1995 Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: R.Ehen Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	22	1	301900 513600
2	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Brookside Cso, Cleaton Moor, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 017580239 Permit Version: 1 Effective Date: 18th June 1992 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Ehen Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	0	1	302110 513960
2	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Brookside Cso, Cleaton Moor, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01COP0091 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: River Ehen Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	0	1	302110 513955

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Discharge Consents Operator: Cross Paperware Ltd Property Type: Pulp, Paper & Board Location: Cross Paperware Ltd, Cleator Mill, Cleator, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 017490086 Permit Version: 1 Effective Date: 25th October 1978 Issued Date: Not Supplied Revocation Date: 22nd March 1991 Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: R.Ehen Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	2	1	302100 513700
4	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Brookside No 1, Cleator, Copeland, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01COP0082 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: Skirting Beck Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A13NE (N)	25	1	302080 514080
5	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Brookside No 2, Cleator, Copeland, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01cop0020 Permit Version: 1 Effective Date: 7th October 1994 Issued Date: Not Supplied Revocation Date: 1st January 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Ehen Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	47	1	302130 514040
6	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Pumping Station - 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 revokedRevoked Positional Accuracy: Located by supplier to within 100m	A18SE (N)	169	1	302120 514220

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Stephen & Marjorie Ann Jacques Property Type: Fish Farm Location: Mill Race, Low Wath, Cleator, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 017490290 Permit Version: 1 Effective Date: 14th September 1994 Issued Date: Not Supplied Revocation Date: 17th February 2012 Discharge Type: Discharge Of Other Matter-Fish Farm Discharge: Freshwater Stream/River Environment: Receiving Water: River Ehen Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 100m	A14NW (E)	338	1	302500 514000
8	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Kiln Brow, Cleator, Copeland, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01COP0011 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Storm /emergency overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Ehen Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	338	1	301650 513400
8	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Kiln Brow, Cleator, Copeland, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01COP0019 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 30th March 2004 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Ehen Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	369	1	301610 513400
8	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Kiln Brow, Cleator, Copeland, Cumbria Authority: Environment Agency, North West Region Catchment Area: Ehen Reference: 017480401 Permit Version: 1 Effective Date: 4th December 2006 Issued Date: 4th December 2006 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Ehen Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	377	1	301600 513400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Kiln Brow, Cleator, Copeland, Cumbria Authority: Environment Agency, North West Region Catchment Area: Ehen Reference: 01cop0019 Permit Version: 2 Effective Date: 31st March 2004 Issued Date: 31st March 2004 Revocation Date: 3rd December 2006 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Ehen Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	377	1	301600 513400
9	Discharge Consents Operator: Gordon Martin Property Type: Horticulture Est. Nursery Gardens Location: Ehenhall Gardens Swo, Cleator, Cumbria, Ca23 3bz Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 017490247 Permit Version: 1 Effective Date: 14th April 1989 Issued Date: Not Supplied Revocation Date: 1st November 1994 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Ehen Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	502	1	301520 513300
10	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Cleator & District Stw, Cleator, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 017470025 Permit Version: 7 Effective Date: 1st January 2010 Issued Date: 14th October 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Keekle Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	645	1	301300 513400
10	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Cleator & District Stw, Cleator, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 017470025 Permit Version: 6 Effective Date: 15th May 2008 Issued Date: 15th May 2008 Revocation Date: 31st December 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Keekle Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	645	1	301300 513400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Cleator & District Stw, Cleator, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 017470025 Permit Version: 5 Effective Date: 23rd February 2004 Issued Date: 23rd February 2004 Revocation Date: 14th May 2008 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Keekle Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	645	1	301300 513400
10	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Cleator & District Stw, Cleator, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 017470025 Permit Version: 2 Effective Date: 31st January 1985 Issued Date: Not Supplied Revocation Date: 6th July 2000 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Keekle Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	662	1	301285 513390
10	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Cleator & District Stw, Cleator, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 017470025 Permit Version: 3 Effective Date: 7th July 2000 Issued Date: 7th July 2000 Revocation Date: 17th August 2000 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Keekle Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	667	1	301280 513390
10	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Cleator & District Stw, Cleator, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 017470025 Permit Version: 1 Effective Date: 28th December 1979 Issued Date: Not Supplied Revocation Date: 30th January 1985 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Keekle Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	667	1	301280 513390

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Cleator & District Stw, Cleator, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 017470025 Permit Version: 4 Effective Date: 18th August 2000 Issued Date: Not Supplied Revocation Date: 22nd February 2004 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Keekle Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	667	1	301280 513390
10	Discharge Consents Operator: United Utilities Water Ltd Property Type: Sewage Disposal Works - Water Company Location: Cleator & District Stw, Cleator, Cumbria Authority: Environment Agency, North West Region Catchment Area: Ehen/Calder Reference: 017470025 Permit Version: 1 Effective Date: 28th December 1979 Issued Date: Not Supplied Revocation Date: 30th January 1985 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Keekle Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	667	1	301280 513390
10	Discharge Consents Operator: North West Water Limited Property Type: Not Given Location: Cleator And District Authority: Environment Agency, North West Region Catchment Area: Ehen/Calder Reference: 017470025B Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 1st April 1991 Revocation Date: Not Supplied Discharge Type: Settled storm discharge - storm tank discharges Discharge: Freshwater Stream/River Environment: Receiving Water: Storm Tank Effluent; Outlet From Storm Tank; River Keekle Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	669	1	301280 513385
11	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Cleator & District Stw, Cleator, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 017470025 Permit Version: 7 Effective Date: 1st January 2010 Issued Date: 14th October 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Keekle Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	752	1	301290 513190

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Cleator & District Stw, Cleator, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 017470025 Permit Version: 6 Effective Date: 15th May 2008 Issued Date: 15th May 2008 Revocation Date: 31st December 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Keekle Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	752	1	301290 513190
11	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Cleator & District Stw, Cleator, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 017470025 Permit Version: 5 Effective Date: 23rd February 2004 Issued Date: 23rd February 2004 Revocation Date: 14th May 2008 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Keekle Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	752	1	301290 513190
11	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Cleator & District Stw, Cleator, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 017470025 Permit Version: 3 Effective Date: 7th July 2000 Issued Date: 7th July 2000 Revocation Date: 17th August 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Keekle Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	760	1	301280 513190
11	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Cleator & District Stw, Cleator, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 017470025 Permit Version: 4 Effective Date: 18th August 2000 Issued Date: Not Supplied Revocation Date: 22nd February 2004 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Keekle Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	760	1	301280 513190

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Cleator & District Stw, Cleator, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 017470025 Permit Version: 2 Effective Date: 31st January 1985 Issued Date: Not Supplied Revocation Date: 6th July 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Keekle Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	760	1	301280 513190
11	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Cleator & District Stw, Cleator, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 017470025 Permit Version: 1 Effective Date: 28th December 1979 Issued Date: Not Supplied Revocation Date: 30th January 1985 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Keekle Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	760	1	301280 513190
12	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Cleator & District Stw, Cleator, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 017470025 Permit Version: 7 Effective Date: 1st January 2010 Issued Date: 14th October 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Keekle Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	770	1	301220 513270
12	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Cleator & District Stw, Cleator, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 017470025 Permit Version: 6 Effective Date: 15th May 2008 Issued Date: 15th May 2008 Revocation Date: 31st December 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Keekle Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	770	1	301220 513270

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Cleator & District Stw, Cleator, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 017470025 Permit Version: 5 Effective Date: 23rd February 2004 Issued Date: 23rd February 2004 Revocation Date: 14th May 2008 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Keekle Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	770	1	301220 513270
13	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Pumping Station - 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: Kiriting Beck Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m	A18NE (N)	827	1	302340 514840
	Nearest Surface Water Feature	A13SW (SW)	0	-	301903 513770
14	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Combined Sewer Overflow Location: River Ehen, Brookside Cleator Authority: Environment Agency, North West Region Pollutant: Sewage - Storm Overflow Note: Sewage; Ehen; Storm Sewage Incident Date: 17th August 1997 Incident Reference: 97210084 Catchment Area: Ehen Receiving Water: Coastal Water Cause of Incident: CSO Normal Operation Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	0	1	302100 513900
14	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Combined Sewer Overflow Location: River Ehen, Brookside Cleator Authority: Environment Agency, North West Region Pollutant: Sewage - Storm Overflow Note: Storm Sewage Incident Date: 17th August 1997 Incident Reference: 97210072 Catchment Area: Ehen Receiving Water: Freshwater Stream/River Cause of Incident: CSO Normal Operation Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	0	1	302100 513895
15	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Combined Sewer Overflow Location: River Ehen, River Ehen , CLEATOR Authority: Environment Agency, North West Region Pollutant: Sewage - Storm Overflow Note: Ehen; Storm Overflow Incident Date: 11th June 1997 Incident Reference: 97210046 Catchment Area: Ehen Receiving Water: Freshwater Stream/River Cause of Incident: CSO Normal Operation Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	0	1	302100 513995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Combined Sewer Overflow Location: River Ehen, Brookside Cleator Moor Authority: Environment Agency, North West Region Pollutant: Sewage - Storm Overflow Note: Ehen; Crude Sewage Overflow Incident Date: 22nd July 1997 Incident Reference: 97210061 Catchment Area: Ehen Receiving Water: Freshwater Stream/River Cause of Incident: CSO Normal Operation Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	1	1	302100 514000
16	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: Sewage Debris/Litter Note: Not Supplied Incident Date: 27th June 1995 Incident Reference: 95210069 Catchment Area: Ehen Receiving Water: Not Given Cause of Incident: Sewer Maintenance Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (E)	48	1	302200 513895
16	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: Not Supplied Incident Date: 20th August 1993 Incident Reference: 93210087 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	A13NE (E)	53	1	302200 513900
17	Pollution Incidents to Controlled Waters Property Type: Restaurant/Hotels/Pubs Location: River Ehen Authority: Environment Agency, North West Region Pollutant: Surcharged Sewage Note: Sewage Incident Date: 9th September 1997 Incident Reference: 97210075 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	A13SW (W)	101	1	301800 513800
18	Pollution Incidents to Controlled Waters Property Type: Connection To Surface Drains Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Black Howe Incident Date: 9th November 1994 Incident Reference: 94210132 Catchment Area: Ehen Receiving Water: Not Given Cause of Incident: Wrong Connection Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	203	1	302200 513500
19	Pollution Incidents to Controlled Waters Property Type: Farm Drainage Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Agricultural: Other Note: Tributary Ehen; Manure Run-Off Incident Date: 27th August 1991 Incident Reference: 91210083 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	A8NE (SE)	345	1	302300 513400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	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	A18SW (N)	346	1	302000 514400
21	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	A18SE (N)	366	1	302200 514400
22	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: Unknown Sewage Note: Not Supplied Incident Date: 26th February 1992 Incident Reference: 92210037 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	A7NE (SW)	377	1	301600 513400
23	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Combined Sewer Overflow Location: River Ehen, Brookside , CLEATOR Authority: Environment Agency, North West Region Pollutant: Sewage - Storm Overflow Note: Storm Sewage Incident Date: 26th July 1997 Incident Reference: 97210060 Catchment Area: Ehen Receiving Water: Freshwater Stream/River Cause of Incident: CSO Normal Operation Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	443	1	301600 513300
24	Pollution Incidents to Controlled Waters Property Type: Pollution Found Source Not Determined Location: Cumbria Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: River Ehen; Poll Found Incident Date: 19th April 1996 Incident Reference: 96210024 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	A7NE (SW)	517	1	301500 513300
25	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Water Distribution System Location: River Ehen, Wathbrow Bridge , CLEATOR MOOR Authority: Environment Agency, North West Region Pollutant: Chlorinated Water Note: Chlorinated Water Incident Date: 21st January 1997 Incident Reference: 97210008 Catchment Area: Ehen Receiving Water: Freshwater Stream/River Cause of Incident: Leaking Underground Pipe Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (E)	559	1	302700 514095

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	Pollution Incidents to Controlled Waters Property Type: Private Sewage: Sewage Works And Septic Tanks Location: Cumbria Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: River Ehen; Sewage Incident Date: 22nd April 1996 Incident Reference: 96210027 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	A7NE (SW)	585	1	301500 513200
26	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Cumbria Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: River Ehen; Sewage Incident Date: 22nd April 1996 Incident Reference: 96210028 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	A7NE (SW)	588	1	301500 513195
27	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Cumbria Authority: Environment Agency, North West Region Pollutant: Not Given Note: River Keekle; None Pollution Found Incident Date: 26th November 1993 Incident Reference: 93210130 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	A7NW (SW)	683	1	301305 513295
27	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewage Treatment Works Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Unknown Sewage Note: Keekle Incident Date: 20th September 1993 Incident Reference: 93210109 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	A7NW (SW)	686	1	301300 513300
27	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: Sewage - Treated Effluent Note: Keekle Incident Date: 8th June 1994 Incident Reference: 94210048 Catchment Area: Ehen Receiving Water: Not Given Cause of Incident: Poor Operational Practice Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	688	1	301300 513295
28	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewage Treatment Works Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Unknown Sewage Note: Keekle Incident Date: 19th June 1992 Incident Reference: 92210098 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	A7NW (SW)	738	1	301300 513200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	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	A19NW (NE)	774	1	302500 514700
30	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	A18NE (N)	776	1	302300 514800
31	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewage Treatment Works Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Paints / Dyes Note: Keele Incident Date: 6th June 1991 Incident Reference: 91210039 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	A7NW (SW)	822	1	301200 513200
32	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	A23SE (N)	850	1	302200 514900
33	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Water Treatment Works Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chlorinated Water Note: Not Supplied Incident Date: 22nd October 1995 Incident Reference: 95210105 Catchment Area: Ehen Receiving Water: Not Given Cause of Incident: Leaking Underground Pipe Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SW (SW)	867	1	301300 513000
33	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Organic Wastes: Animal Carcasses Note: Not Supplied Incident Date: 5th February 1995 Incident Reference: 95210013 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	A7SW (SW)	871	1	301300 512995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	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	A19NW (NE)	902	1	302700 514700
35	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: Unknown Sewage Note: Keele Incident Date: 28th August 1992 Incident Reference: 92210216 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	A11NE (W)	902	1	301000 514000
36	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 1st June 1993 Incident Reference: 93210041 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	A7SW (SW)	942	1	301300 512900
37	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	A23SW (N)	943	1	302001 515001
38	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Cumbria Authority: Environment Agency, North West Region Pollutant: Not Given Note: None Pollution Found Incident Date: 25th October 1991 Incident Reference: 91210091 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	A2NE (S)	944	1	301700 512700
39	Prosecutions Relating to Authorised Processes Location: Kangol Factory, Frizington Prosecution Text: Burning controlled waste (including asbestos) Prosecution Act: Epa90 S33(1) & (6) Hearing Date: 23rd May 2006 Verdict: Guilty Fine: 22500 Costs: 7142 Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	0	1	302115 513882

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Ehen (Liza) GQA Grade: River Quality A Reach: Inlet To Ennerdale Water To Keele Estimated Distance 16.2 (km): Flow Rate: Flow less than 2.5 cumecs Flow Type: River Year: 2000	A13SE (SE)	0	1	302115 513764
	River Quality Name: Keele GQA Grade: River Quality D Reach: Moor Row To Ehen Estimated Distance 1.8 (km): Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000	A12SW (W)	656	1	301219 513704
	River Quality Name: Keele GQA Grade: River Quality B Reach: Dub Beck To Moor Row Estimated Distance 3 (km): Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000	A16SE (W)	915	1	301020 514214

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	River Quality Chemistry Sampling Points Name: Keele Reach: Moor Row To Ehen Estimated Distance: 1.80 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied	A7SW (SW)	996	1	301189 512930
41	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	A14NW (E)	561	1	302700 514100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Christopher & Glenys Roberts Licence Number: 2774003010 Permit Version: 100 Location: Spring Fed Storage Tank At Kinnisidecleator Authority: Environment Agency, North West Region Abstraction: Food And Drink: Water Bottling Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 6 Yearly Rate (m3): 2273 Details: Land At Kinniside , Cleator Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th November 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1998	1	304200 513800
	Groundwater Vulnerability Soil Classification: Soils of Intermediate Leaching Potential (I1) - Soils which can possibly transmit a wide range of pollutants Map Sheet: Sheet 6 South West Cumbria Scale: 1:100,000	A13SW (SE)	0	1	302025 513823
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 6 South West Cumbria Scale: 1:100,000	A13SW (N)	0	1	302020 513828
	Groundwater Vulnerability Soil Classification: Not classified Map Sheet: Sheet 6 South West Cumbria Scale: 1:100,000	A13SE (SE)	0	1	302158 513748
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Desination: Secondary Aquifer - B	A13SW (N)	0	2	302020 513828
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (N)	0	2	302020 513828
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A13NW (N)	0	2	302017 513944
	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	A13SW (N)	0	1	302020 513828
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	0	1	302118 513722
	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	A13SE (E)	13	1	302189 513770
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	13	1	302135 513716
	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	A13SE (E)	16	1	302198 513804
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	16	1	302179 513746

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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	A13SE (E)	17	1	302199 513807
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (E)	17	1	302204 513816
	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	A13SE (SE)	18	1	302175 513738
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (E)	18	1	302196 513794
	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	A13SE (E)	23	1	302222 513828
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (E)	26	1	302227 513833
	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	A13SW (S)	39	1	302003 513577
	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	A13SW (SW)	63	1	301844 513614
	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	A13SW (SW)	105	1	301805 513580
	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	A13SW (N)	0	1	302020 513828
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13SE (E)	0	1	302163 513772

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	BGS Recorded Landfill Sites Site Name: Jacktrees Rd Location: 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	A12NE (W)	350	2	301555 513888
43	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	A17SW (NW)	812	2	301183 514347
44	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: Deposited Waste included Commercial Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: 2480 Other Ref: Not Supplied	A17SW (NW)	812	1	301183 514347
45	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: Deposited Waste included Industrial, Commercial and Household Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 0900/0178 BGS Ref: Not Supplied Other Ref: E108.58, R19, E160.77	A17NW (NW)	931	1	301242 514624
46	Licensed Waste Management Facilities (Landfill Boundaries) Name: Jacktrees Road Licence Number: 57253 Location: County Contracting, Jacktrees Road, Cleator Moor, Cumbria, CA25 5BB Licence Holder: Cumbria County Council Authority: Environment Agency - North West Region, North Area Site Category: Inert LF Max Input Rate: Not Supplied Licence Status: Closure Issued: 28th April 1994 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A12NE (W)	345	1	301549 513897
47	Licensed Waste Management Facilities (Locations) Licence Number: 57253 Location: County Contracting, Jacktrees Road, Cleator Moor, Cumbria, CA25 5BB Operator Name: Cumbria County Council Operator Location: Not Supplied Authority: Environment Agency - North West Region, North Area Site Category: Inert LF Licence Status: Closed Issued: 28th April 1994 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12NE (W)	406	1	301500 513900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	Licensed Waste Management Facilities (Locations) Licence Number: 57523 Location: The Forge, Beckside, Cleator, Cumbria, CA23 3AD Operator Name: Goodfellow George Operator Location: Not Supplied Authority: Environment Agency - North West Region, North Area Site Category: Metal Recycling Sites (Mixed) Licence Status: Issued Issued: 29th March 2000 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7SW (SW)	799	1	301300 513100
	Local Authority Landfill Coverage Name: Copeland Borough Council - Has supplied landfill data		0	3	302020 513828
	Local Authority Landfill Coverage Name: Cumbria County Council - Had landfill data but passed it to the relevant environment agency		0	8	302020 513828
49	Local Authority Recorded Landfill Sites Location: Jacktrees Road, Cleator Moor Reference: 253 Authority: Copeland Borough Council, Environmental Health Department Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A12NE (W)	350	3	301555 513886
50	Local Authority Recorded Landfill Sites Location: The Forge, Cleator Reference: 57523 Authority: Copeland Borough Council, Environmental Health Department Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A7SE (SW)	673	3	301437 513137

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	Registered Landfill Sites Licence Holder: Cumbria County Contracting Licence Reference: 253/M2 Site Location: Jacktrees Road, Cleator Moor, Cleator, Cumbria Licence Easting: 301500 Licence Northing: 514000 Operator Location: Barras Lane, Dalston, Carlisle, Cumbria, Ca5 7nd Authority: Environment Agency - North West Region, North Area Site Category: Landfill - with transfer Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Site dormant Dated: 28th April 1994 Preceded By: R34/M2 Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Bitum./Asphaltic Mat'L Ex Road/Carpark Concrete,Brick,Slate,Glass,Ceramic Inert Mat'L Consisting Of Max.Waste Permitted By Licence Soil,Sand,Clay,Stone Prohibited Waste: Agricultural Wastes Animal Flesh Foodstuffs Gulley Emptyings Hard Bonded Asbestos Hard/Bonded Asbestos Prods Leachate Forming Mat'Ls Metal Objects Paper/Cardboard Waste Plasterboard/Plaster Plastic Objects Road Sweepings/Litter Spec.Waste (Epa'90:S62/1996 Regs) Textiles Vegetable Matter Waste In Demountable Containers Waste N.O.S. Wood, Timber, Sawdust	A12NE (W)	402	1	301500 514000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	Registered Landfill Sites Licence Holder: Cumbria County Contracting Licence Reference: R34/M2 Site Location: Jacktrees Road, Cleator Moor, Cleator, Cumbria Licence Easting: 301500 Licence Northing: 514000 Operator Location: Barras Lane, DALSTON, Cumbria, CA5 7ND Authority: Environment Agency - North West Region, North Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Record supersededSuperseded Dated: 1st December 1991 Preceded By: R34 Licence: Superseded By: 253/M2 Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Bitumin/Asphalt Ex Road/Carpark Surfac H'Core, Concrete, Brick, Slate, Glass, Cera Hard Bonded Asbestos From Const/Demol. Inert Mat'L Consisting Of Soil, Sand, Clay, Stone Prohibited Waste: Agricultural Waste Other Than Inert Animal Flesh Clinical Waste As In Coll/Disp Regs'88 Difficult Waste As In Doe Wmp 26 Foodstuffs Gulley Cleansings Leachate Forming Mat'ls Incl. Liquid Waste Metal Objects Paper/Cardboard Waste Plasterboard/Plaster Plastic Objects Sawdust Special Waste Textiles Vegetable Matter Wood/Timber	A12NE (W)	402	1	301500 514000
51	Registered Landfill Sites Licence Holder: Cumbria County Contracting Licence Reference: R34 Site Location: Jacktrees Road, Cleator Moor, Cleator, Cumbria Licence Easting: 301500 Licence Northing: 514000 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: Record supersededSuperseded Dated: 1st June 1977 Preceded By: Not Given Licence: Superseded By: R34/M2 Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Controlled Wastes Gulley Emptyings Road Making Materials Road Sweepings/Litter Waste N.O.S Prohibited Waste:	A12NE (W)	402	1	301500 514000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	Registered Waste Treatment or Disposal Sites Licence Holder: G Goodfellow Licence Reference: EAWML57523 Site Location: The Forge, CLEATOR, Cumbria, CA23 3AD Operator Location: The Forge, CLEATOR, Cumbria, CA23 3AD Authority: Environment Agency - North West Region, North Area Site Category: Scrapyard Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Site not yet started Dated: 29th March 2000 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Maximum Waste Permitted By Licence Metal Swarf & Non-Ferrous Metal Scrap & Scrap Vehicles Working Plan Specifies - Ferrous Metal Scrap &	A7SE (SW)	727	1	301425 513075

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Llanvirm and Arenig	A13SW (N)	0	2	302020 513828
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (N)	0	4	302020 514000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (N)	0	4	302000 513946
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (N)	0	4	302016 513944
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (N)	0	4	302020 513828
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (NW)	0	4	301916 513878
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (N)	0	4	302000 514000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (N)	0	4	302054 514000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (W)	0	4	302000 513828
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (E)	1	4	302195 513831
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (SE)	2	4	302162 513749
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (SE)	7	4	302171 513752
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (E)	9	4	302207 513828

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NE (NE)	13	4	302118 513993
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NW (NW)	18	4	301904 513989
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (E)	19	4	302211 513819
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NE (NE)	19	4	302121 514000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (SE)	20	4	302148 513709
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NW (NW)	20	4	301859 513919

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (SE)	25	4	302181 513736
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (NW)	32	4	301893 513998
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (NW)	33	4	301894 514000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (NW)	35	4	301889 514000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (S)	38	4	302000 513577
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (NW)	40	4	301836 513931

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (NW)	45	4	301872 514000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (NW)	51	4	301876 514010
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	181	4	301701 513786
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	185	4	301702 513804
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (SE)	217	4	302309 513590
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (S)	240	4	301920 513577

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (SW)	258	4	301664 513531
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	260	4	302000 514312
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (N)	266	4	302071 514326
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (S)	269	4	301979 513342
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NE)	270	4	302420 514000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (N)	271	4	302048 514331

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (N)	274	4	302048 514334
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (S)	277	4	302000 513337
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	282	4	302022 514339
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	292	4	302000 514346
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	300	4	301571 513775
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (SW)	309	4	301588 513626

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	312	4	301987 514363
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NE)	318	4	302458 514030
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	326	4	301545 513772
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	334	4	302023 514392
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (SW)	337	4	301564 513610
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	350	4	301603 513444

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	356	4	301603 513433
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (S)	356	4	302000 513257
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	361	4	301890 514377
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (N)	369	4	302092 514429
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (N)	371	4	302081 514431
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (N)	373	4	302065 514433

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	386	4	301575 513422
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	386	4	302000 514441
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	388	4	301860 514390
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (E)	392	4	302560 514000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	395	4	301575 513405
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	402	4	302000 514457

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	406	4	301837 514397
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (S)	411	4	302000 513202
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (S)	419	4	301963 513194
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	464	4	301438 514000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	492	4	301570 513261
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	496	4	302061 514556

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (NW)	500	4	301716 514437
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	501	4	301406 514053
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	509	4	301391 513961
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	509	4	301393 514000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	514	4	301393 514045
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	517	4	301514 513283

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (NW)	521	4	301398 514101
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	532	4	302494 513333
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (NW)	539	4	301398 514160
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	544	4	301518 513240
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	549	4	301363 514075
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (E)	561	4	302740 514000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	575	4	302000 514632
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	593	4	301469 513220
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	613	4	301353 513356
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	613	4	302000 513000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	613	4	302020 513000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	619	4	301467 513185

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (E)	623	4	302811 513975
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (E)	626	4	302808 514000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	627	4	301436 513206
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	635	4	302237 513024
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	646	4	301435 513179
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	651	4	301250 513964

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	652	4	302223 513000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	658	4	301244 514000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	671	4	302275 513000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	671	4	301229 513563
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	674	4	301209 513859
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	676	4	301203 513712

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	677	4	301396 514417
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	682	4	301623 513000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	686	4	301195 513669
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SE (NE)	689	4	302795 514192
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	695	4	301207 514000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	721	4	301195 514113

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	743	4	301186 513436
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	752	4	301481 513000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	754	4	301174 513443
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (NW)	763	4	301221 514313
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (NW)	765	4	301183 514230
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SW (SE)	768	4	302481 513000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	771	4	301448 513000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (NW)	781	4	301381 514548
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (NW)	783	4	301169 514244
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	788	4	301140 513435
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SW (SW)	793	4	301282 513132
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	797	4	303000 513828

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NW (NW)	797	4	301363 514554
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (E)	803	4	303000 513931
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	810	4	303000 513696
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (E)	813	4	303000 514000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	816	4	301498 512914
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (NW)	827	4	301442 514654

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (NW)	829	4	301464 514670
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (N)	830	4	301694 514803
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (NW)	831	4	301496 514692
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (W)	834	4	301086 513456
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	843	4	302888 513319
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SW (SE)	847	4	302666 513056

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	849	4	301470 512892
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	858	4	301049 513511
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	859	4	303000 513521
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	859	4	303000 513521
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	871	4	302942 513557
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SE (W)	878	4	301000 513828

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SW (SE)	887	4	302666 513000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SE (W)	888	4	301000 513603
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15NW (E)	890	4	303079 514000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (NW)	896	4	301441 514735
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (NW)	898	4	301082 514336
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SE (W)	899	4	301000 513539

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NW (NW)	901	4	301256 514595
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11NE (W)	902	4	301000 514000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NW (NW)	902	4	301339 514672
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15SW (E)	904	4	303088 513659
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (NW)	905	4	301097 514382
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NW (NW)	906	4	301334 514673

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7SW (SW)	910	4	301177 513076
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19SE (NE)	910	4	303000 514279
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A17SW (NW)	915	4	301075 514361
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A11NE (W)	919	4	301000 514150
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7SW (SW)	935	4	301167 513047
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A17NW (NW)	935	4	301229 514617

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A23SW (N)	940	4	302020 515000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A23SE (N)	940	4	302047 515000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A23SE (N)	940	4	302079 515000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A17SW (NW)	941	4	301054 514377
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A23SW (N)	942	4	302000 515000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7SE (SW)	943	4	301375 512841

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15SW (E)	944	4	303086 513509
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A22SE (NW)	949	4	301535 514850
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (NW)	951	4	301048 514386
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	953	4	303000 513294
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SW (SW)	960	4	301173 513000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A23SW (N)	962	4	301860 515000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SW (SW)	963	4	301131 513049
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (NW)	966	4	301038 514400
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NW (NW)	969	4	301363 514772
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NW (NW)	969	4	301355 514767
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SE (W)	970	4	300908 513744
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A24SW (N)	972	4	302410 514969

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A17SW (NW)	973	4	301033 514407
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A11SE (W)	973	4	300908 513657
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7SW (SW)	974	4	301156 513000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A23SE (N)	978	4	302337 515000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7SW (SW)	979	4	301131 513022
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7SW (SW)	982	4	301115 513039

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11NE (W)	989	4	300894 513842
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11NE (W)	990	4	300898 513899
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SW (SW)	994	4	301129 513000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A23SW (N)	996	4	301735 515000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A22SE (NW)	997	4	301493 514882
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A16SE (NW)	998	4	301000 514396

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19SE (NE)	999	4	303000 514442
53	BGS Recorded Mineral Sites Site Name: Cleator Iron Ore Mine Location: , Cleator, Cleator Moor, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 140693 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Not Available Geology: ! Commodity: Iron ore Positional Accuracy: Located by supplier to within 10m	A12NE (W)	261	2	301647 513905
54	BGS Recorded Mineral Sites Site Name: Cleator Iron Ore Mine Location: , Cleator, Cleator Moor, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 140691 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Not Available Geology: ! Commodity: Iron ore Positional Accuracy: Located by supplier to within 10m	A12NE (W)	349	2	301552 513858
55	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: Unknown Operator Periodic Type: Not Available Geology: ! Commodity: Iron ore Positional Accuracy: Located by supplier to within 10m	A18SW (N)	372	2	301964 514419
56	BGS Recorded Mineral Sites Site Name: Cleator Iron Ore Mine Location: , Cleator, Cleator Moor, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 140692 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Not Available Geology: ! Commodity: Iron ore Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	469	2	301444 514074
57	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: Unknown Operator Periodic Type: Carboniferous Geology: Frizington Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A18NW (N)	582	2	302022 514641

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
58	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: Unknown Operator Periodic Type: Not Available Geology: ! Commodity: Iron ore Positional Accuracy: Located by supplier to within 10m	A18NW (N)	608	2	301779 514597
59	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: Unknown Operator Periodic Type: Not Available Geology: ! Commodity: Iron ore Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	665	2	301366 514362
60	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: Unknown Operator Periodic Type: Carboniferous Geology: Frizington Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A18NW (N)	707	2	301983 514763
61	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: Unknown Operator Periodic Type: Not Available Geology: ! Commodity: Iron ore Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	734	2	301439 514536
62	BGS Recorded Mineral Sites Site Name: Bragg Wood Location: , Cleator, Cleator Moor, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 140661 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Ordovician Geology: Buttermere Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SE (S)	764	2	302189 512874
63	BGS Recorded Mineral Sites Site Name: Cleator Glebe Mine Location: , Cleator Moor, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 140690 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Not Available Geology: ! Commodity: Iron ore Positional Accuracy: Located by supplier to within 10m	A12SW (W)	771	2	301138 513518

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	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: Unknown Operator Periodic Type: Carboniferous Geology: Frizington Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A23SW (N)	796	2	301972 514851
65	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: Unknown Operator Periodic Type: Not Available Geology: ! Commodity: Iron ore Positional Accuracy: Located by supplier to within 10m	A17NW (NW)	903	2	301317 514655
66	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: Unknown Operator Periodic Type: Not Available Geology: ! Commodity: Iron ore Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	904	2	301123 514427
67	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: Unknown Operator Periodic Type: Not Available Geology: ! Commodity: Iron ore Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	976	2	301079 514492
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SW (N)	0	5	302020 513828
	Mining Instability Mining Evidence: Conclusive Iron Ore Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SW (W)	0	-	302000 513828
	Mining Instability Mining Evidence: Conclusive Iron Ore Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SW (N)	0	-	302020 513828
	Mining Instability Mining Evidence: Conclusive Metaliferous Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SW (N)	0	-	302020 513828

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Man-Made Mining Cavities Easting: 301500 Northing: 513900 Distance: 406 Quadrant Reference: A12 Quadrant Reference: NE Bearing Ref: W Cavity Type: Not supplied Commodity: Hematite Solid Geology Detail: No Details Superficial Geology No Details Detail:	A12NE (W)	406	6	301500 513900
	Man-Made Mining Cavities Easting: 301700 Northing: 514600 Distance: 650 Quadrant Reference: A17 Quadrant Reference: NE Bearing Ref: N Cavity Type: Not supplied Commodity: Hematite Solid Geology Detail: No Details Superficial Geology No Details Detail:	A17NE (N)	650	6	301700 514600
	Man-Made Mining Cavities Easting: 301500 Northing: 514500 Distance: 668 Quadrant Reference: A17 Quadrant Reference: SE Bearing Ref: NW Cavity Type: Not supplied Commodity: Hematite Solid Geology Detail: No Details Superficial Geology No Details Detail:	A17SE (NW)	668	6	301500 514500
	Man-Made Mining Cavities Easting: 301100 Northing: 513500 Distance: 812 Quadrant Reference: A12 Quadrant Reference: SW Bearing Ref: W Cavity Type: Not supplied Commodity: Hematite Solid Geology Detail: No Details Superficial Geology No Details Detail:	A12SW (W)	812	6	301100 513500
	Man-Made Mining Cavities Easting: 301000 Northing: 513700 Distance: 879 Quadrant Reference: A11 Quadrant Reference: SE Bearing Ref: W Cavity Type: Not supplied Commodity: Hematite Solid Geology Detail: No Details Superficial Geology No Details Detail:	A11SE (W)	879	6	301000 513700
	Man-Made Mining Cavities Easting: 301200 Northing: 514600 Distance: 945 Quadrant Reference: A17 Quadrant Reference: NW Bearing Ref: NW Cavity Type: Not supplied Commodity: Hematite Solid Geology Detail: No Details Superficial Geology No Details Detail:	A17NW (NW)	945	6	301200 514600
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	2	302020 513828

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	1	2	302196 513831
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	2	2	302163 513749
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	2	302020 513828
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	2	301916 513877
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	7	2	302171 513752
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	2	302020 513828
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	2	301916 513877
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	7	2	302171 513752
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	40	2	301836 513931
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	50	2	301877 514010
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	2	302020 513828
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	11	2	302159 513730
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	13	2	302181 513755
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	55	2	302257 513843
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	121	2	302178 514105
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	168	2	302215 514135
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	217	2	302310 513590
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	2	301916 513877
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	2	302020 513828
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	7	2	302171 513752
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	9	2	302208 513828

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	19	2	302149 513709
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	217	2	302310 513590
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	2	301916 513877
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	2	302020 513828
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	7	2	302171 513752
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	9	2	302208 513828
	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	A13SW (N)	0	2	302020 513828
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	2	301976 513975
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	2	301926 513850
	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	A13NW (NW)	0	2	301901 513925
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13SW (N)	0	2	302020 513828
	Radon Potential - Radon Affected Areas Affected Area: The property is in a radon affected area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	2	301976 513975
	Radon Potential - Radon Affected Areas Affected Area: The property is in a radon affected area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	2	301926 513850
	Radon Potential - Radon Affected Areas Affected Area: The property is in a radon affected area, as between 10 and 30% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	2	301901 513925

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	Contemporary Trade Directory Entries Name: Kangol Factory Store Location: Cleator Mills, Cleator, Cumbria, CA23 3DJ Classification: Hats & Caps - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	0	-	302115 513881
69	Fuel Station Entries Name: Forge Service Station Location: Main Street, CLEATOR, Cumbria, CA23 3AD Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Manually positioned to the address or location	A7SW (SW)	821	-	301291 513077

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	Environmentally Sensitive Areas Name: Lake District Multiple Areas: N Total Area (m2): 2453926627.23 Source: Natural England	A13SE (SE)	11	7	302130 513713
71	Sites of Special Scientific Interest Name: River Ehen (Ennerdale Water To Keekle Confluence) Multiple Areas: N Total Area (m2): 233329.49 Source: Natural England Reference: 2000147 Designation Details: Special Area Of Conservation Designation Date: 15th May 1997 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 15th May 1997 Date Type: Notified Designation Details: National Park Designation Date: 15th May 1997 Date Type: Notified Designation Details: Environmentally Sensitive Area Designation Date: 15th May 1997 Date Type: Notified	A13SE (SE)	0	7	302119 513725
72	Special Areas of Conservation Name: River Ehen Multiple Areas: N Total Area (m2): 233329.49 Source: Natural England Reference: UK0030057 Status: Designated	A13SE (SE)	0	7	302119 513725

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Copeland Borough Council - Environmental Health Department	June 2012	Annual Rolling Update
Discharge Consents Environment Agency - North West Region	April 2013	Quarterly
Enforcement and Prohibition Notices Environment Agency - North West Region	March 2013	Quarterly
Integrated Pollution Controls Environment Agency - North West Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control Environment Agency - North West Region	April 2013	Quarterly
Local Authority Integrated Pollution Prevention And Control Copeland Borough Council - Environmental Health Department	April 2013	Annual Rolling Update
Local Authority Pollution Prevention and Controls Copeland Borough Council - Environmental Health Department	April 2013	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Copeland Borough Council - Environmental Health Department	April 2013	Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters Environment Agency - North West Region	January 2000	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - North West Region	March 2013	Monthly
Prosecutions Relating to Controlled Waters Environment Agency - North West Region	March 2013	Monthly
Registered Radioactive Substances Environment Agency - North West Region	April 2013	Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - North West Region - North Area	April 2013	Quarterly
Water Abstractions Environment Agency - North West Region	April 2013	Quarterly
Water Industry Act Referrals Environment Agency - North West Region	April 2013	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	January 2011	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	October 2012	Annually
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	October 2012	Annually
Source Protection Zones Environment Agency - Head Office	March 2013	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	April 2013	Quarterly

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	April 2013	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	April 2013	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	April 2013	Quarterly
Flood Defences Environment Agency - Head Office	April 2013	Quarterly
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - North West Region - North Area	April 2013	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North West Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North West Region - North Area	April 2013	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North West Region - North Area	January 2013	Quarterly
Local Authority Landfill Coverage Copeland Borough Council - Environmental Health Department Cumbria County Council - Economy And Environment Department	May 2000 May 2000	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Copeland Borough Council - Environmental Health Department Cumbria County Council - Economy And Environment Department	May 2000 May 2000	Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - North West Region - North Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - North West Region - North Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - North West Region - North Area	March 2003	Not Applicable
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	March 2013	Bi-Annually
Explosive Sites Health and Safety Executive	March 2013	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Cumbria County Council - Development Control Copeland Borough Council - Planning Lake District National Park	February 2013 January 2013 October 2012	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Cumbria County Council - Development Control Copeland Borough Council - Planning Lake District National Park	February 2013 January 2013 October 2012	Annual Rolling Update Annual Rolling Update Annual Rolling Update

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	January 2010	Variable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2013	Bi-Annually
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Mining Report Service	January 2012	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	February 2011	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	February 2013	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2013	Quarterly

Sensitive Land Use	Version	Update Cycle
Areas of Outstanding Natural Beauty Natural England	March 2013	Bi-Annually
Environmentally Sensitive Areas Natural England	February 2013	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2013	Bi-Annually
Marine Nature Reserves Natural England	August 2012	Bi-Annually
National Nature Reserves Natural England	February 2013	Bi-Annually
National Parks Natural England	February 2013	Bi-Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2013	Annually
Ramsar Sites Natural England	February 2013	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2013	Bi-Annually
Special Areas of Conservation Natural England	February 2013	Bi-Annually
Special Protection Areas Natural England	February 2013	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
Countryside Council for Wales	 CYNGOR CEFN GWLAD CYMRU COUNTRYSIDE COUNCIL FOR WALES
Scottish Natural Heritage	
Natural England	
Health Protection Agency	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.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	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmark.co.uk Website: www.landmarkinfo.co.uk
5	The Coal Authority - Mining Report Service 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
6	Peter Brett Associates Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN	Telephone: 0118 950 0761 Fax: 0118 959 7498 Email: reading@pba.co.uk Website: www.pba.co.uk
7	Natural England Northminster House, Northminster Road, Peterborough, Cambridgeshire, PE1 1UA	Telephone: 0845 600 3078 Fax: 01733 455103 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
8	Cumbria County Council - Economy And Environment Department Citadel Chambers, Citadel Row, Carlisle, Cumbria, CA3 8SG	Telephone: 01228 606718 Website: www.cumbria.gov.uk
-	Health Protection Agency - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@hpa.org.uk Website: www.hpa.org.uk
-	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 / SEPA have a charging policy in place for enquiries.

Envirocheck[®] Report:

BGS Boreholes Datasheet

Order Details:

Order Number:

46283628_1_1

Customer Reference:

EES13-061

National Grid Reference:

302020, 513830

Slice:

A

Site Area (Ha):

8.14

Borehole Search Buffer (m):

500

Site Details:

Former Kangol Factory

Cleator Mills

CLEATOR

Cumbria

CA23 3DU

Client Details:

Mr T Elliott

Elliott Environmental Surveyors

Mallan House

Bridge End Industrial Estate

Hexham

Northumberland

NE46 4DQ

Data Type	Page Number	On Site	0 to 250m	251 to 500m
BGS Boreholes	pg 1	1	None	7

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

Report Version v47.0

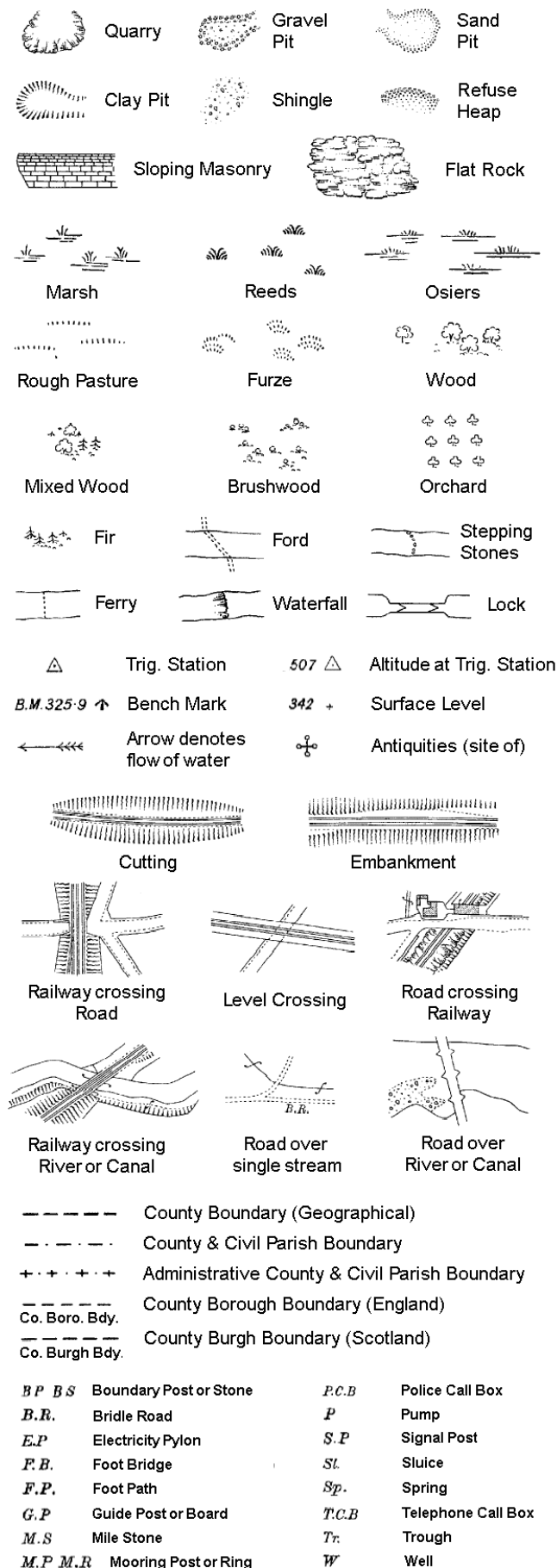
Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	BGS Boreholes BGS Reference: Ny01sw543 Drilled Length (m): Not Supplied Borehole Name: Proposed River Protection Works Link to Borehole: Not Available Scan:	A13SE (SE)	0	2	302080 513750
74	BGS Boreholes BGS Reference: Ny01sw528 Drilled Length (m): Not Supplied Borehole Name: Cleator Mine (File) (M) Link to Borehole: Not Available Scan:	A12NE (W)	315	2	301590 513860
75	BGS Boreholes BGS Reference: Ny01sw327/2 Drilled Length (m): .68 Borehole Name: Todholes Bh3 (Cross Section) Link to Borehole: http://scans.bgs.ac.uk/sobi_scans/boreholes/896677/ Scan:	A18SE (N)	374	2	302053 514434
75	BGS Boreholes BGS Reference: Ny01sw327/3 Drilled Length (m): 5.08 Borehole Name: Todholes Bh4 (Cross Section) Link to Borehole: http://scans.bgs.ac.uk/sobi_scans/boreholes/896678/ Scan:	A18SE (N)	375	2	302062 514435
75	BGS Boreholes BGS Reference: Ny01sw327/1 Drilled Length (m): 5.42 Borehole Name: Todholes Bh2 (Cross Section) Link to Borehole: http://scans.bgs.ac.uk/sobi_scans/boreholes/896676/ Scan:	A18SE (N)	376	2	302044 514436
76	BGS Boreholes BGS Reference: Ny01sw326 Drilled Length (m): 71 Borehole Name: Bh No. 6 Todholes (Cross Section) Link to Borehole: http://scans.bgs.ac.uk/sobi_scans/boreholes/896675/ Scan:	A18SW (N)	422	2	301948 514466
76	BGS Boreholes BGS Reference: Ny01sw325 Drilled Length (m): 74 Borehole Name: Bh No. 1 Todholes (Cross Section) Link to Borehole: http://scans.bgs.ac.uk/sobi_scans/boreholes/896674/ Scan:	A18SW (N)	436	2	301940 514478
77	BGS Boreholes BGS Reference: Ny01sw329 Drilled Length (m): 43 Borehole Name: Bh 2 (Gcm Co.) (Cross Section) Link to Borehole: http://scans.bgs.ac.uk/sobi_scans/boreholes/896683/ Scan:	A18NE (N)	492	2	302084 514552

BGS Boreholes	Version	Update Cycle
BGS Boreholes British Geological Survey - National Geoscience Information Service	April 2013	Quarterly

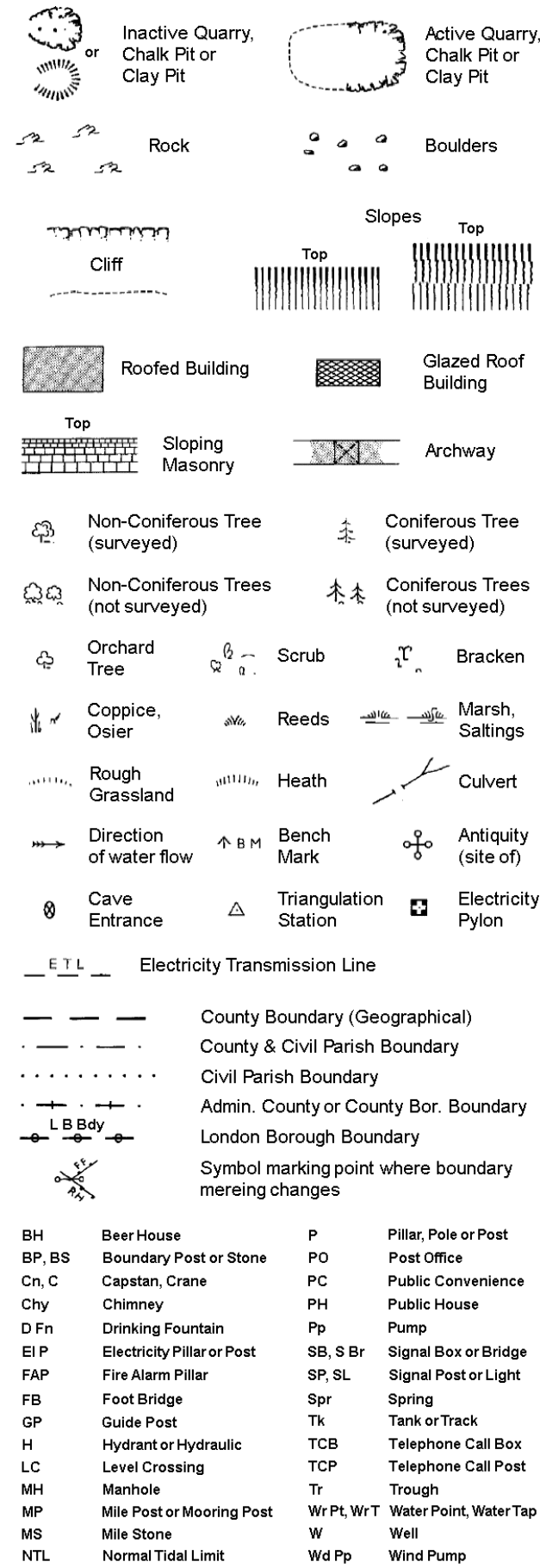
Contact Details	Contact Logo
2 British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
- 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	

Historical Mapping Legends

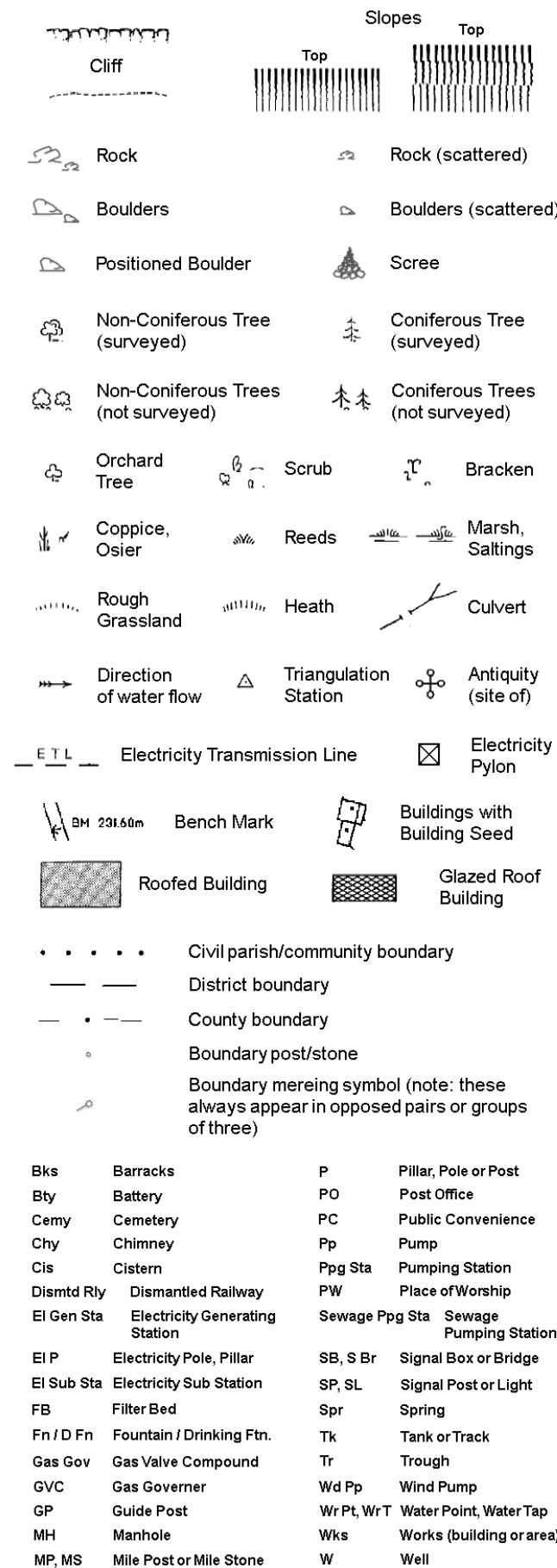
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



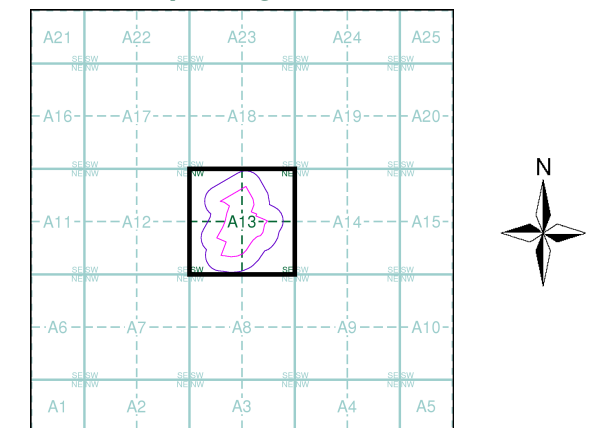
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cumberland	1:2,500	1878	2
Cumberland	1:2,500	1899	3
Cumberland	1:2,500	1925	4
Ordnance Survey Plan	1:2,500	1962 - 1963	5
Additional SIMs	1:2,500	1963 - 1981	6
Ordnance Survey Plan	1:2,500	1967	7
Ordnance Survey Plan	1:2,500	1985	8
Additional SIMs	1:2,500	1985 - 1991	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

Historical Map - Segment A13



Order Details

Order Number: 46283628_1_1
Customer Ref: EES13-061
National Grid Reference: 302020, 513830
Slice: A
Site Area (Ha): 8.14
Search Buffer (m): 100

Site Details

Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria, CA23 3DU



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

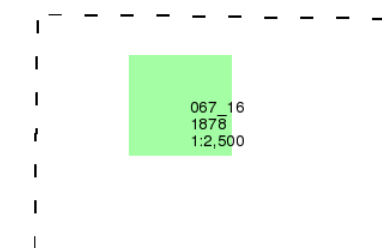
Cumberland

Published 1878

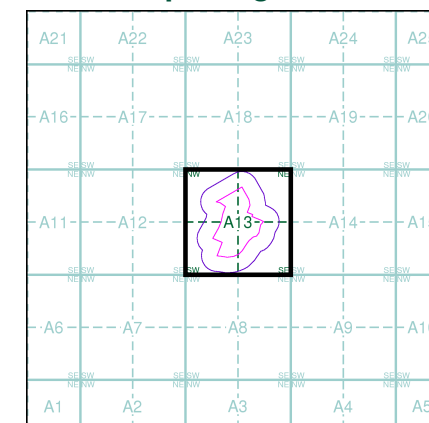
Source map scale - 1:2,500

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

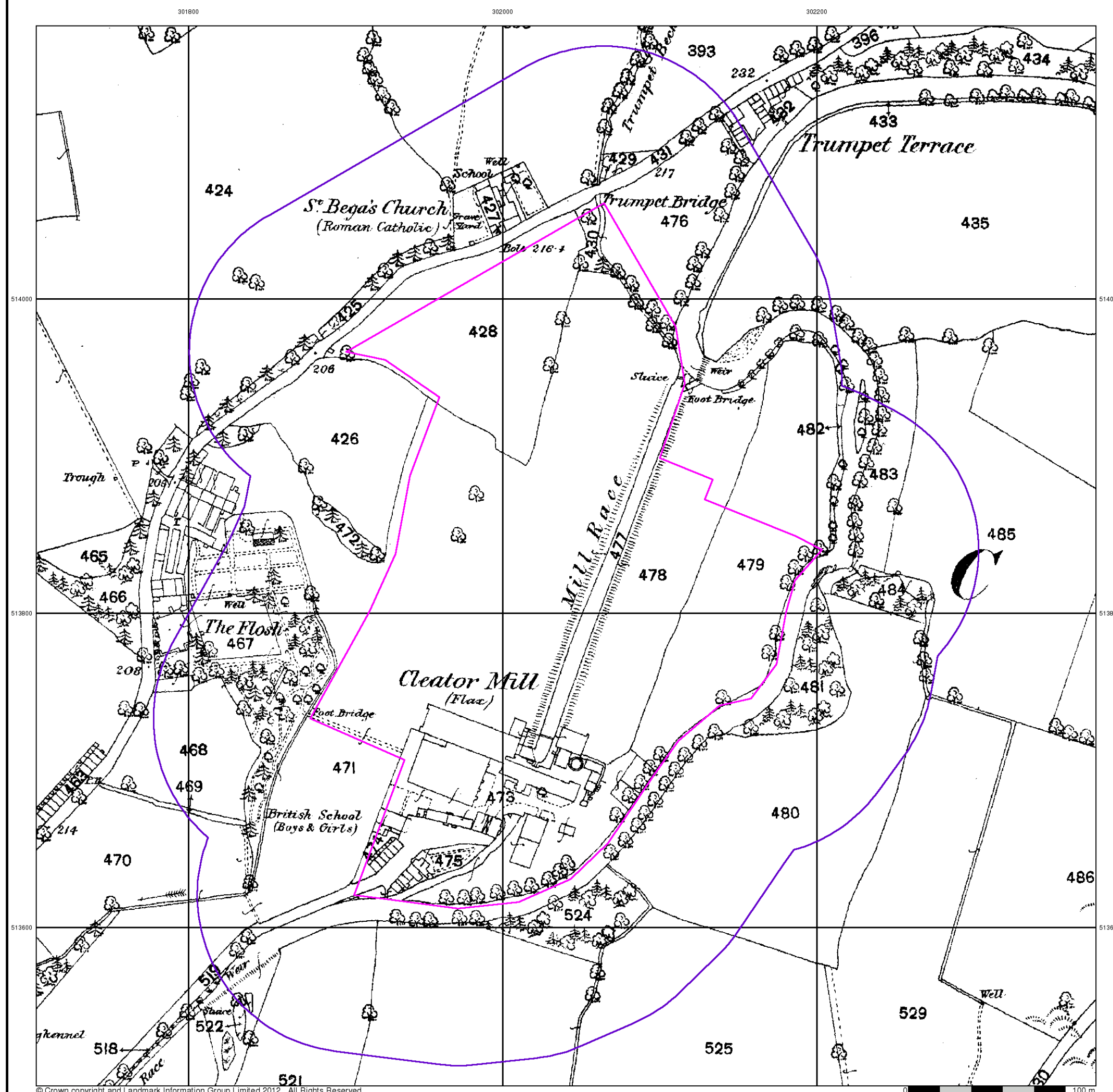


Order Details

Order Number: 46283628_1_1
Customer Ref: EES13-061
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Slice: A
Site Area (Ha): 8.14
Search Buffer (m): 100

Site Details

Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria, CA23 3DU



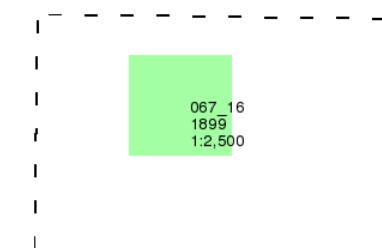
Cumberland

Published 1899

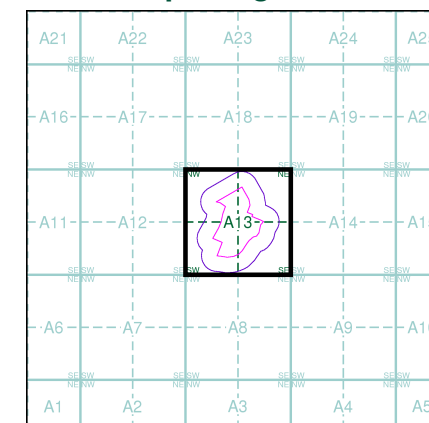
Source map scale - 1:2,500

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

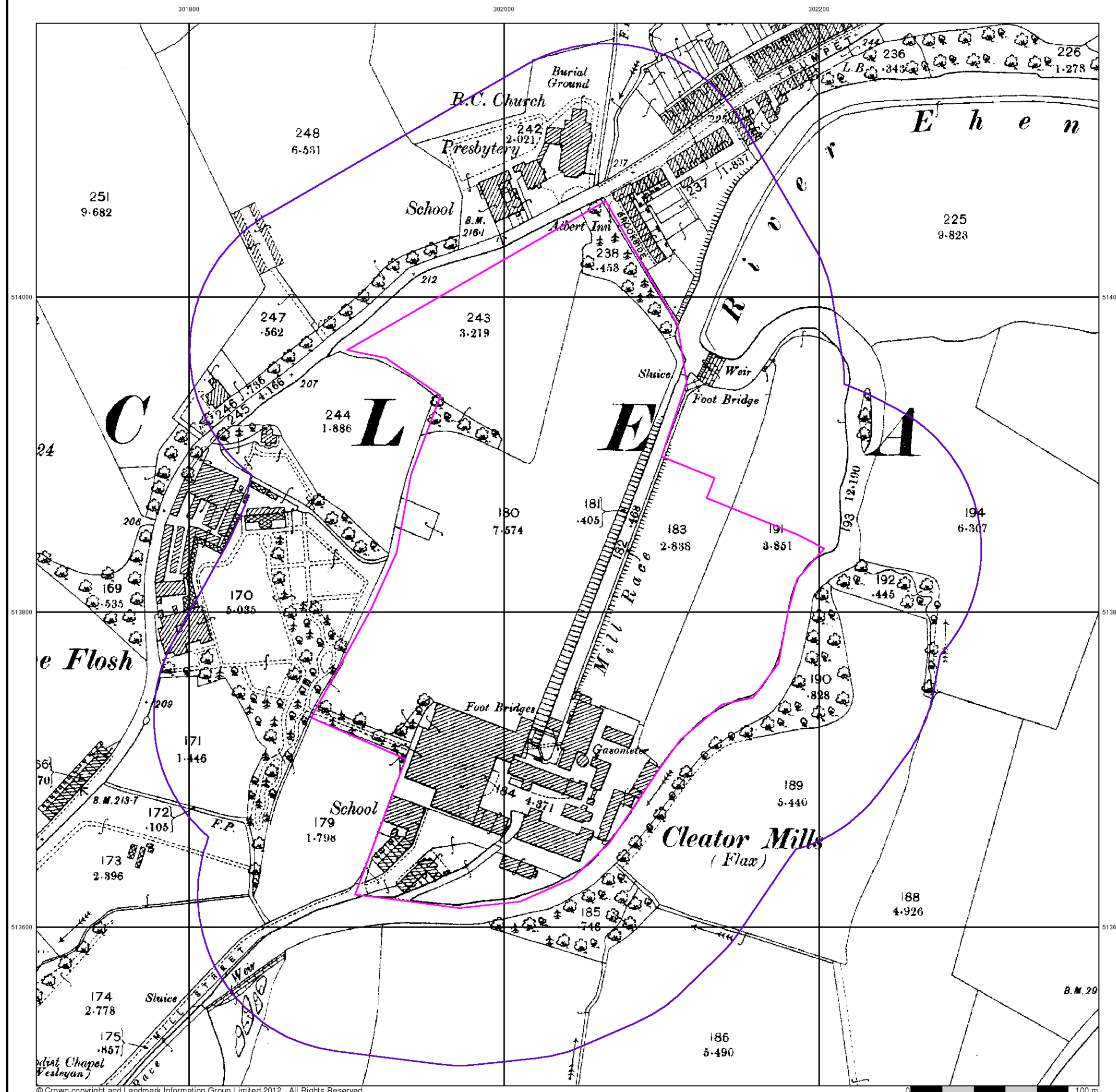


Order Details

Order Number: 46283628_1_1
Customer Ref: EES13-061
National Grid Reference: 302020, 513830
Slice: A
Site Area (Ha): 8.14
Search Buffer (m): 100

Site Details

Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria, CA23 3DU





Order Details

Site Details

Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria,
CA23 3DU



Ordnance Survey Plan

Published 1962 - 1963

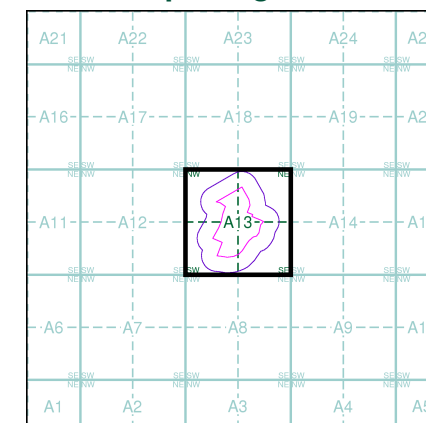
Source map scale - 1:2,500

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)

NY0114 1962 1:2,500	NY0214 1962 1:2,500
NY0113 1962 1:2,500	NY0213 1963 1:2,500

Historical Map - Segment A13

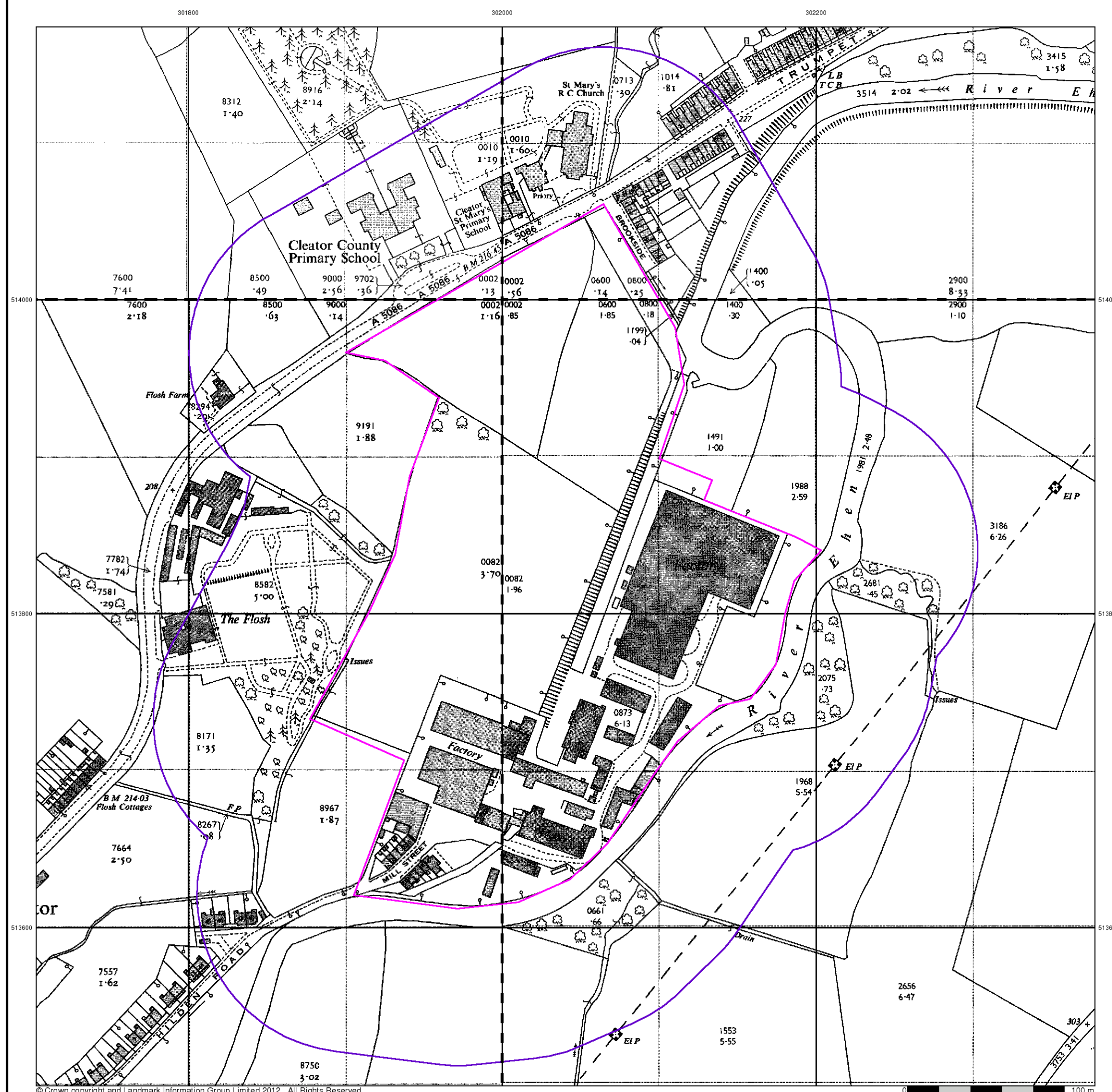


Order Details

Order Number: 46283628_1_1
Customer Ref: EES13-061
National Grid Reference: 302020, 513830
Slice: A
Site Area (Ha): 8.14
Search Buffer (m): 100

Site Details

Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria, CA23 3DU



Additional SIMs

Published 1963 - 1981

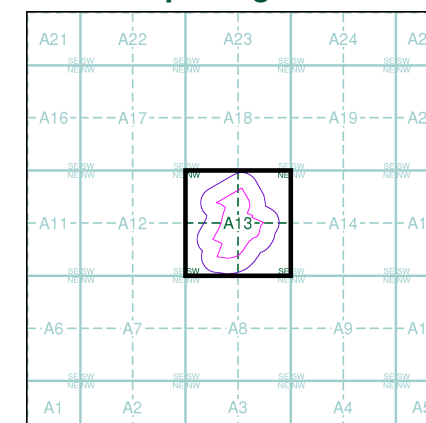
Source map scale - 1:2,500

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)

NY0114 1979 12,500	NY0214 1981 12,500
NY0113 1979 12,500	NY0213 1983 12,500

Historical Map - Segment A13

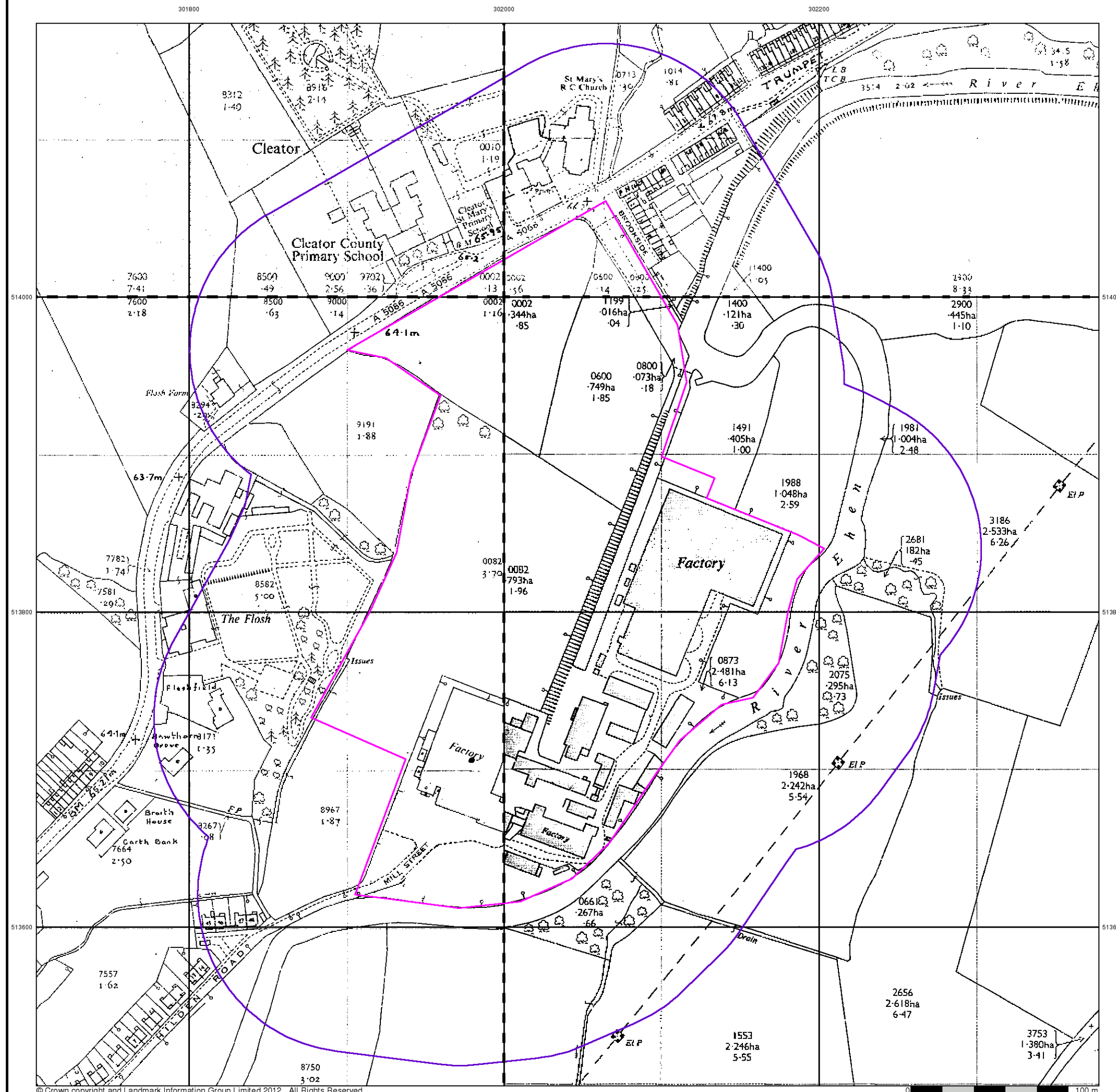


Order Details

Order Number: 46283628_1_1
Customer Ref: EES13-061
National Grid Reference: 302020, 513830
Slice: A
Site Area (Ha): 8.14
Search Buffer (m): 100

Site Details

Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria, CA23 3DU





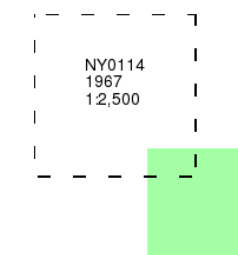
Ordnance Survey Plan

Published 1967

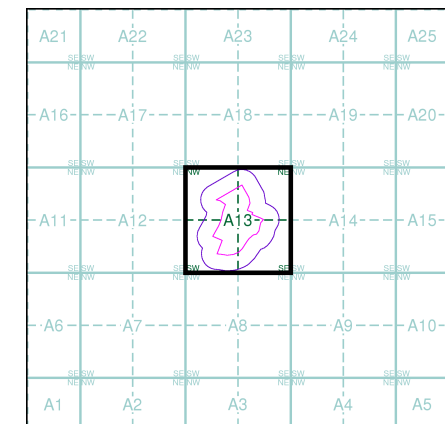
Source map scale - 1:2,500

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: 46283628_1_1
Customer Ref: EES13-061
National Grid Reference: 302020, 513830
Slice: A
Site Area (Ha): 8.14
Search Buffer (m): 100

Site Details

Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria, CA23 3DU



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



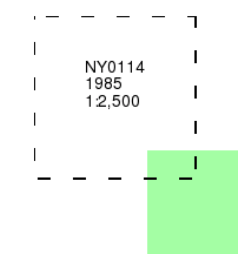
Ordnance Survey Plan

Published 1985

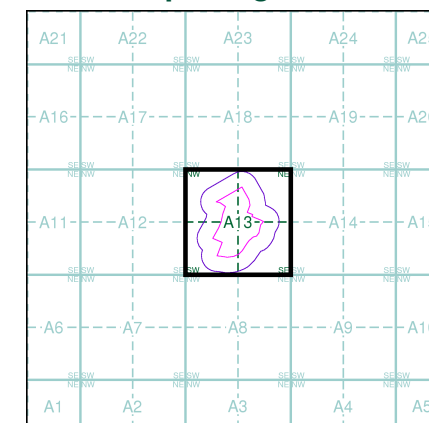
Source map scale - 1:2,500

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: 46283628_1_1
Customer Ref: EES13-061
National Grid Reference: 302020, 513830
Slice: A
Site Area (Ha): 8.14
Search Buffer (m): 100

Site Details

Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria, CA23 3DU



Additional SIMs

Published 1985 - 1991

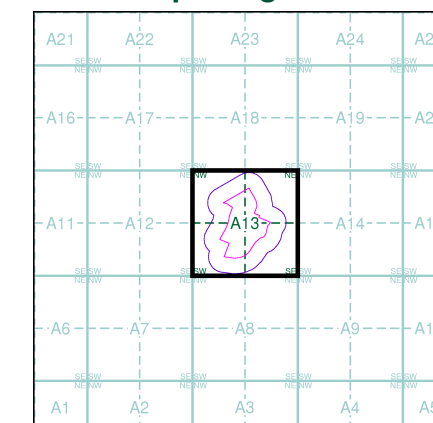
Source map scale - 1:2,500

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)

NY0114 1985 12,500	NY0214 1985 12,500
NY0113 1991 12,500	NY0213 1991 12,500

Historical Map - Segment A13

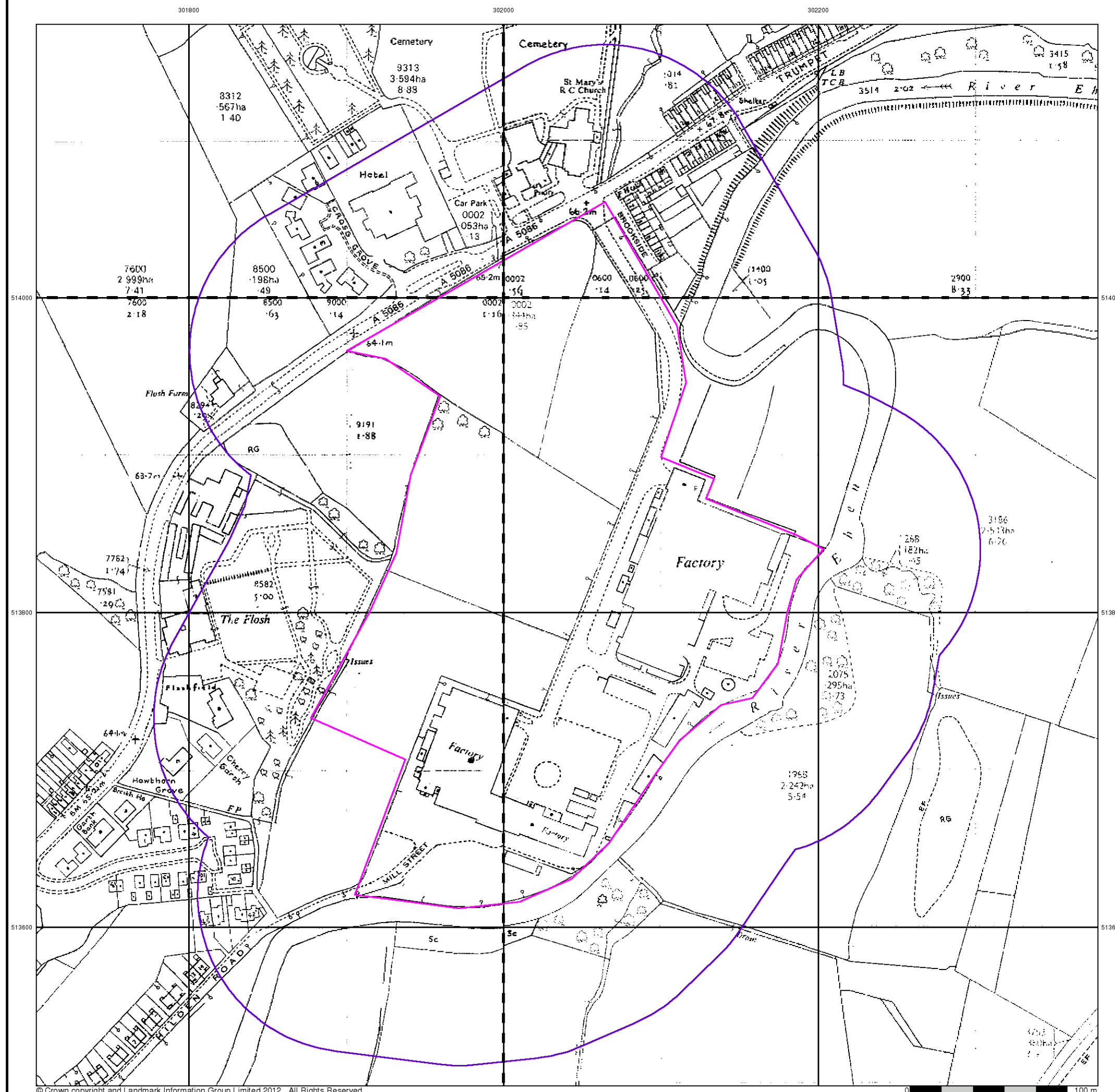


Order Details

Order Number: 46283628_1_1
Customer Ref: EES13-061
National Grid Reference: 302020, 513830
Slice: A
Site Area (Ha): 8.14
Search Buffer (m): 100

Site Details

Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria, CA23 3DU



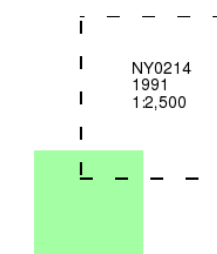
Additional SIMs

Published 1991

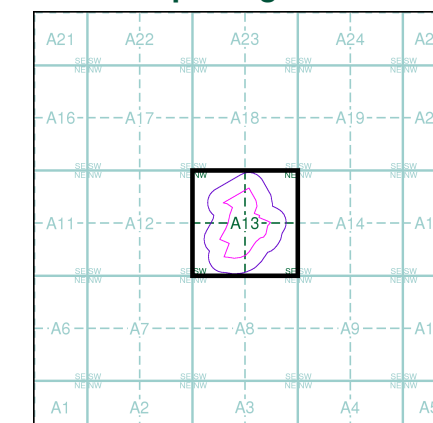
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 46283628_1_1
Customer Ref: EES13-061
National Grid Reference: 302020, 513830
Slice: A
Site Area (Ha): 8.14
Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1994

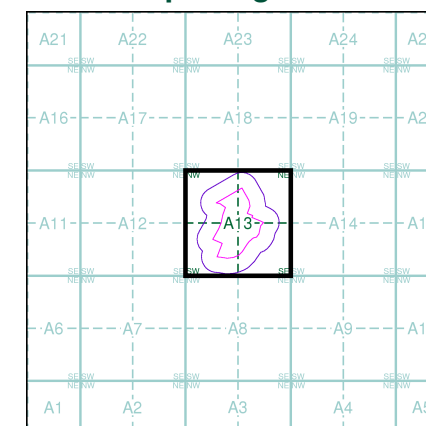
Source map scale - 1:2,500

'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)

NY0114	NY0214
1994	1994
12,500	12,500
NY0113	NY0213
1994	1994
12,500	12,500

Historical Map - Segment A13

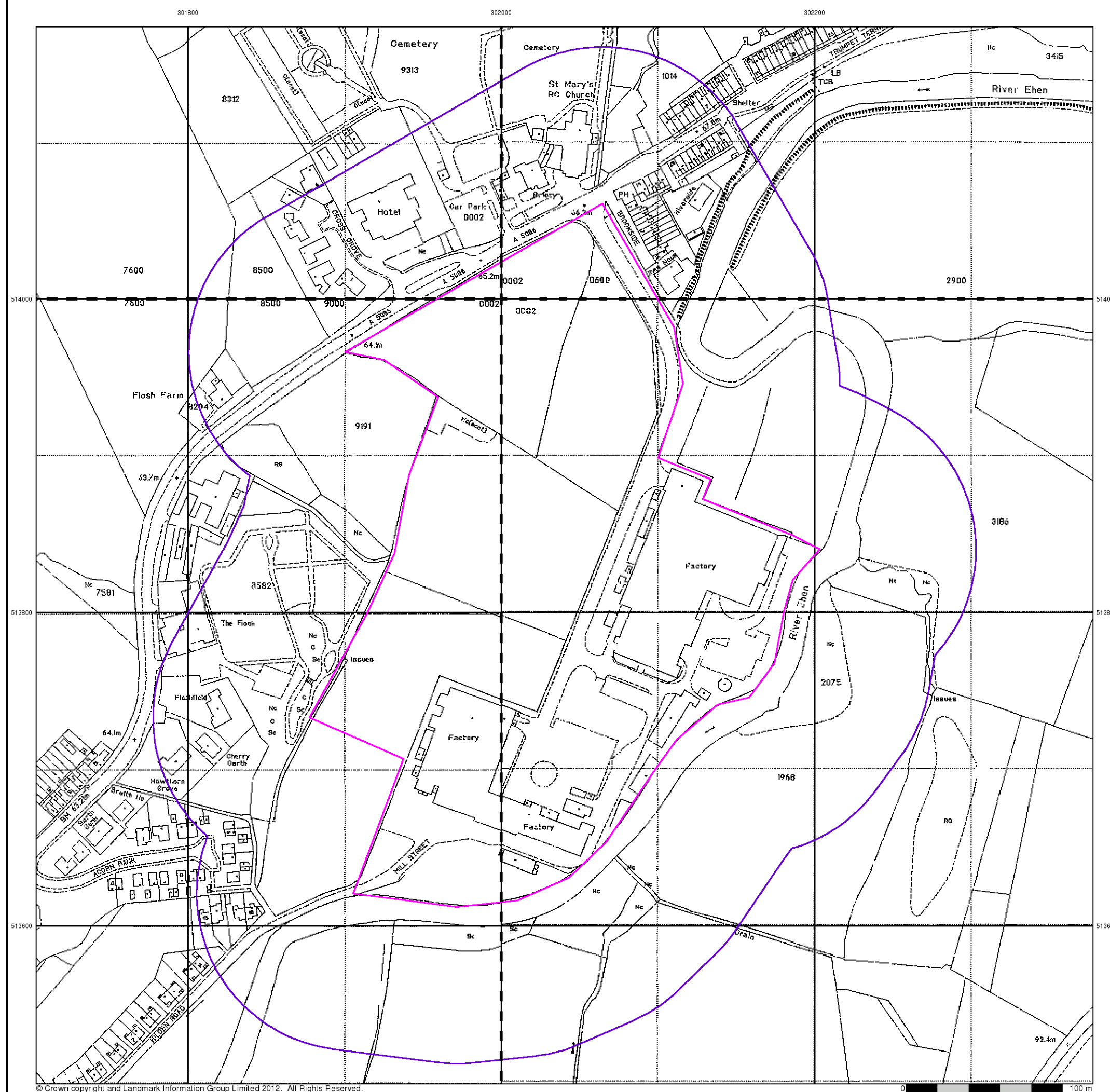


Order Details

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Customer Ref: EES13-061
National Grid Reference: 302020, 513830
Slice: A
Site Area (Ha): 8.14
Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1995

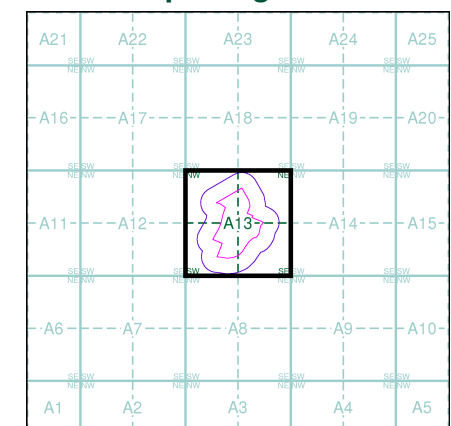
Source map scale - 1:2,500

'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)

NY0114 1995 1:2,500	NY0214 1995 1:2,500
---------------------------	---------------------------

Historical Map - Segment A13



Order Details

Order Number: 46283628_1_1
Customer Ref: EES13-061
National Grid Reference: 302020, 513830
Slice: A
Site Area (Ha): 8.14
Search Buffer (m): 100

Site Details

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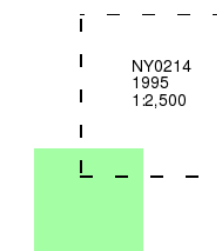
Large-Scale National Grid Data

Published 1995

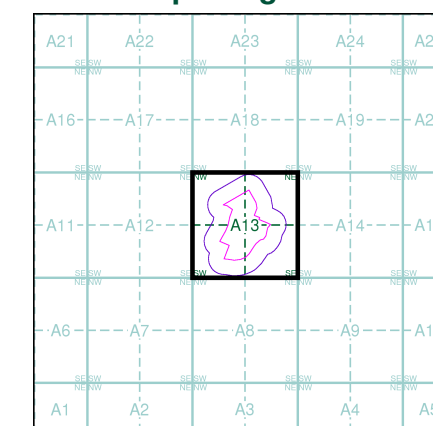
Source map scale - 1:2,500

'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

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Slice: A
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Site Details

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

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

1:10,000 Raster Mapping

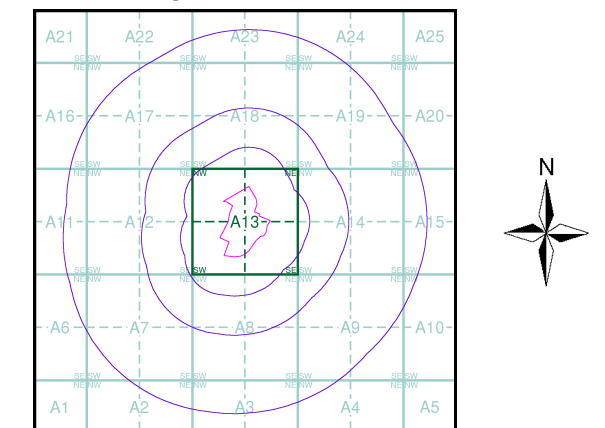
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil,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



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	2006	9
10K Raster Mapping	1:10,000	2013	10

Historical Map - Slice A



Order Details

Order Number: 46283628_1_1
 Customer Ref: EES13-061
 National Grid Reference: 302020, 513830
 Slice: A
 Site Area (Ha): 8.14
 Search Buffer (m): 1000

Site Details

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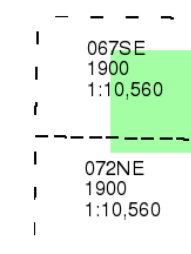
Cumberland

Published 1900

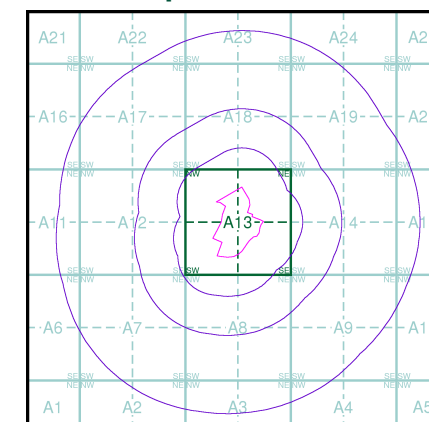
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A

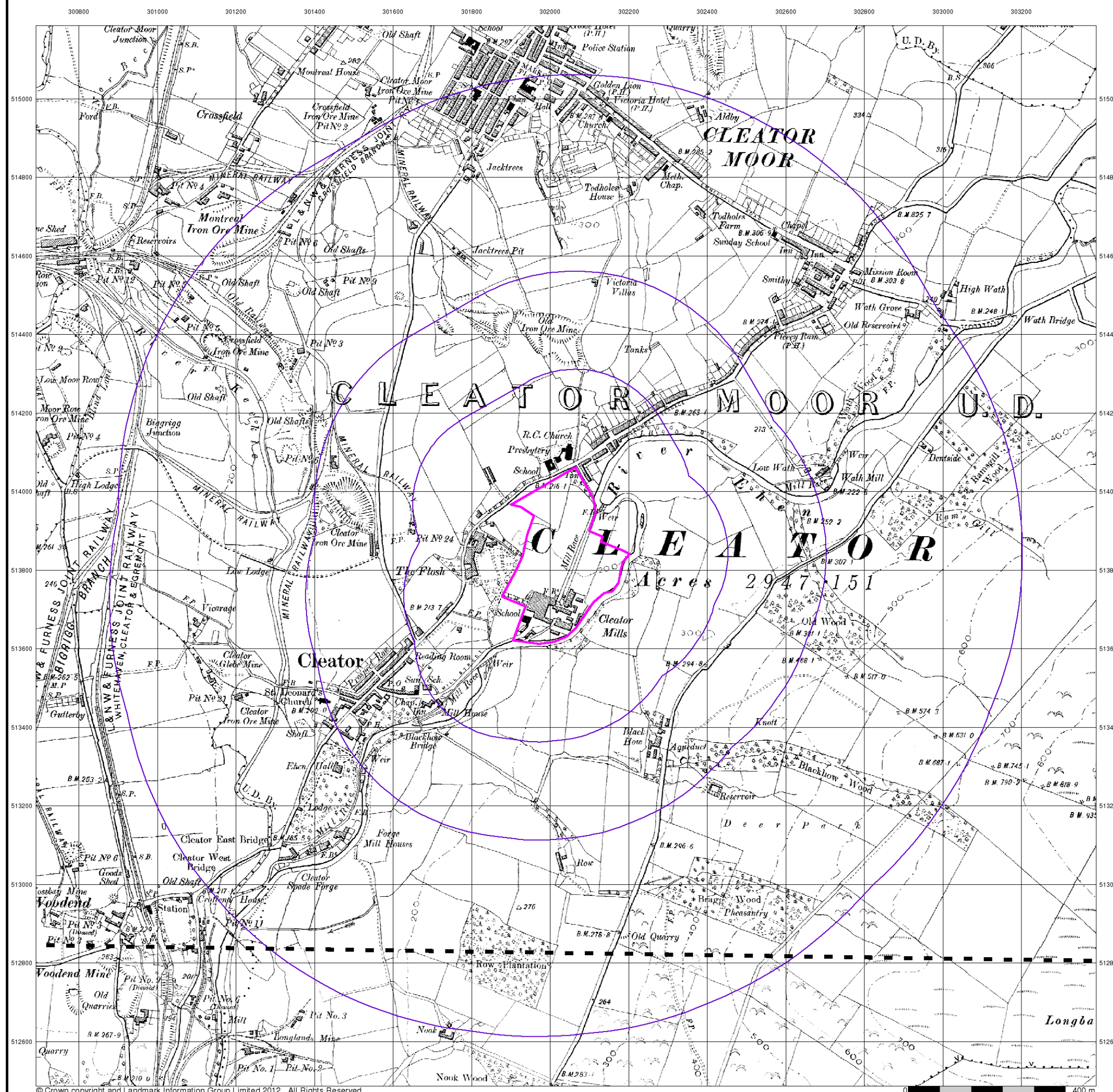


Order Details

Order Number: 46283628_1_1
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Slice: A
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Search Buffer (m): 1000

Site Details

Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria, CA23 3DU



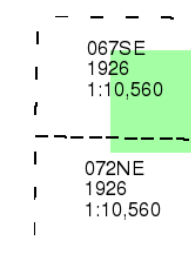
Cumberland

Published 1926

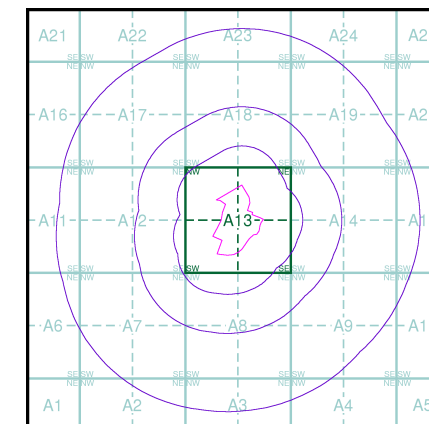
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

Map Name(s) and Date(s)



Historical Map - Slice A

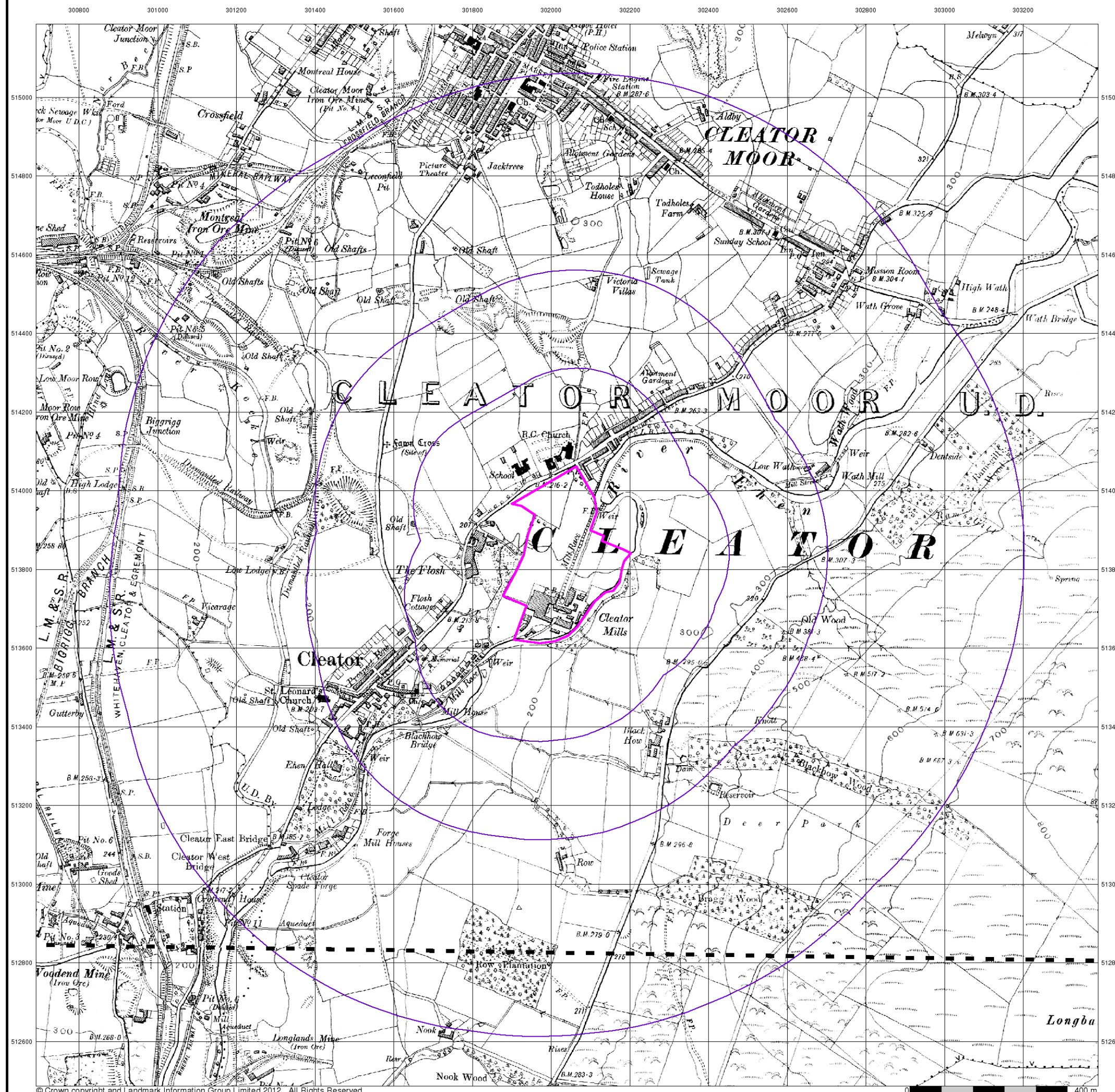


Order Details

Order Number: 46283628_1_1
Customer Ref: EES13-061
National Grid Reference: 302020, 513830
Slice: A
Site Area (Ha): 8.14
Search Buffer (m): 1000

Site Details

Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria, CA23 3DU



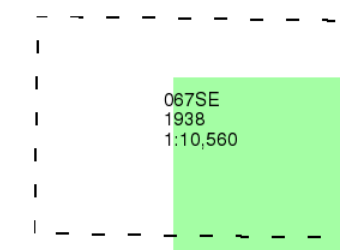
Cumberland

Published 1938

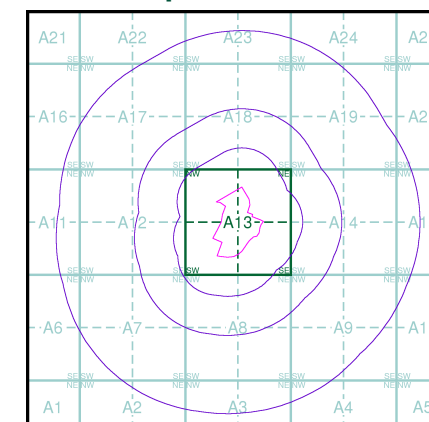
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

Map Name(s) and Date(s)



Historical Map - Slice A

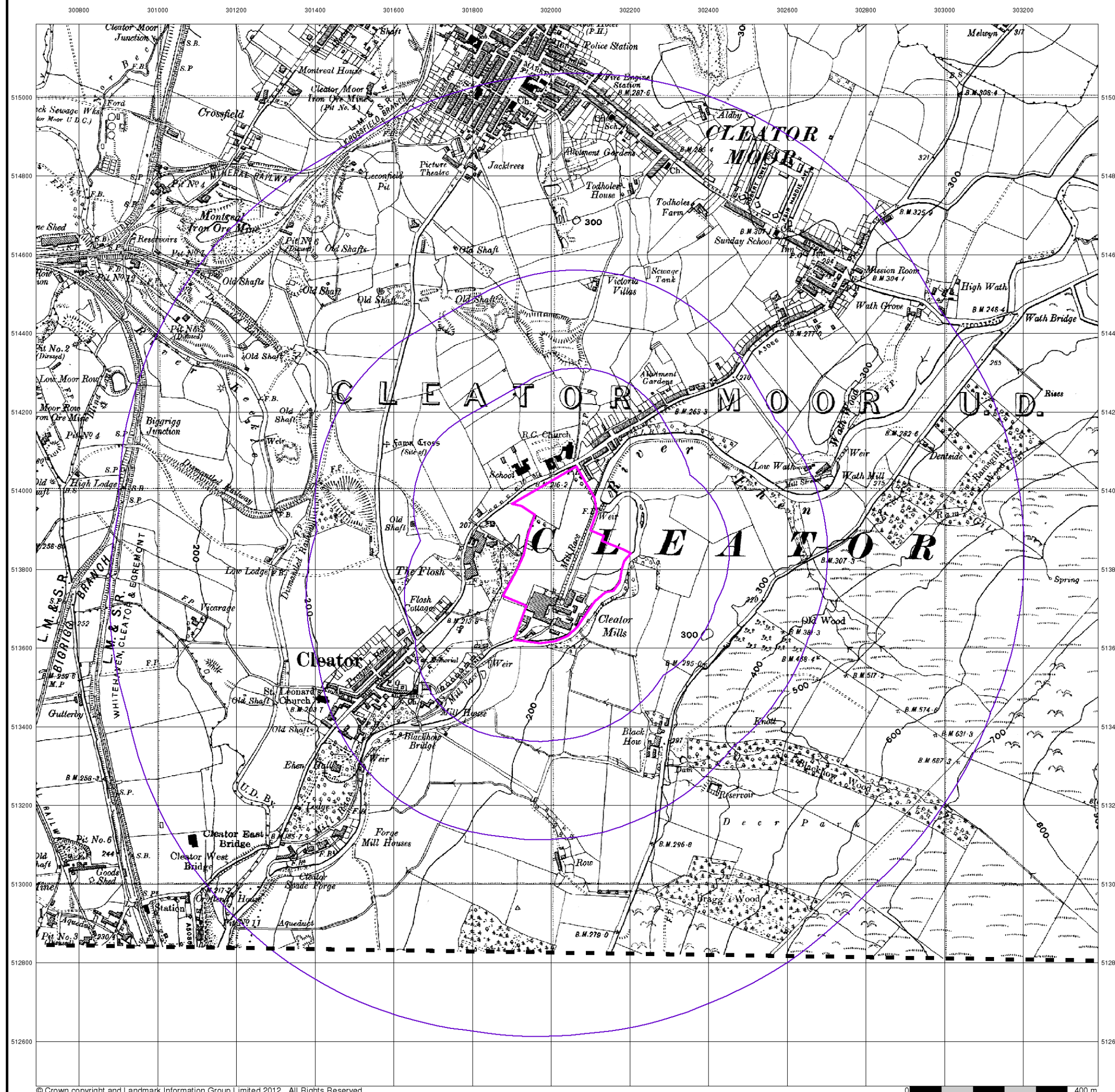


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National Grid Reference: 302020, 513830
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Site Area (Ha): 8.14
Search Buffer (m): 1000

Site Details

Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria, CA23 3DU



Ordnance Survey Plan

Published 1956 - 1957

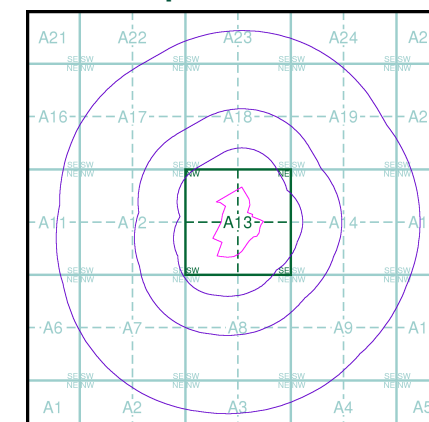
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

Map Name(s) and Date(s)

NY01NW	1957	1:10,560
NY01SW	1956	1:10,560

Historical Map - Slice A

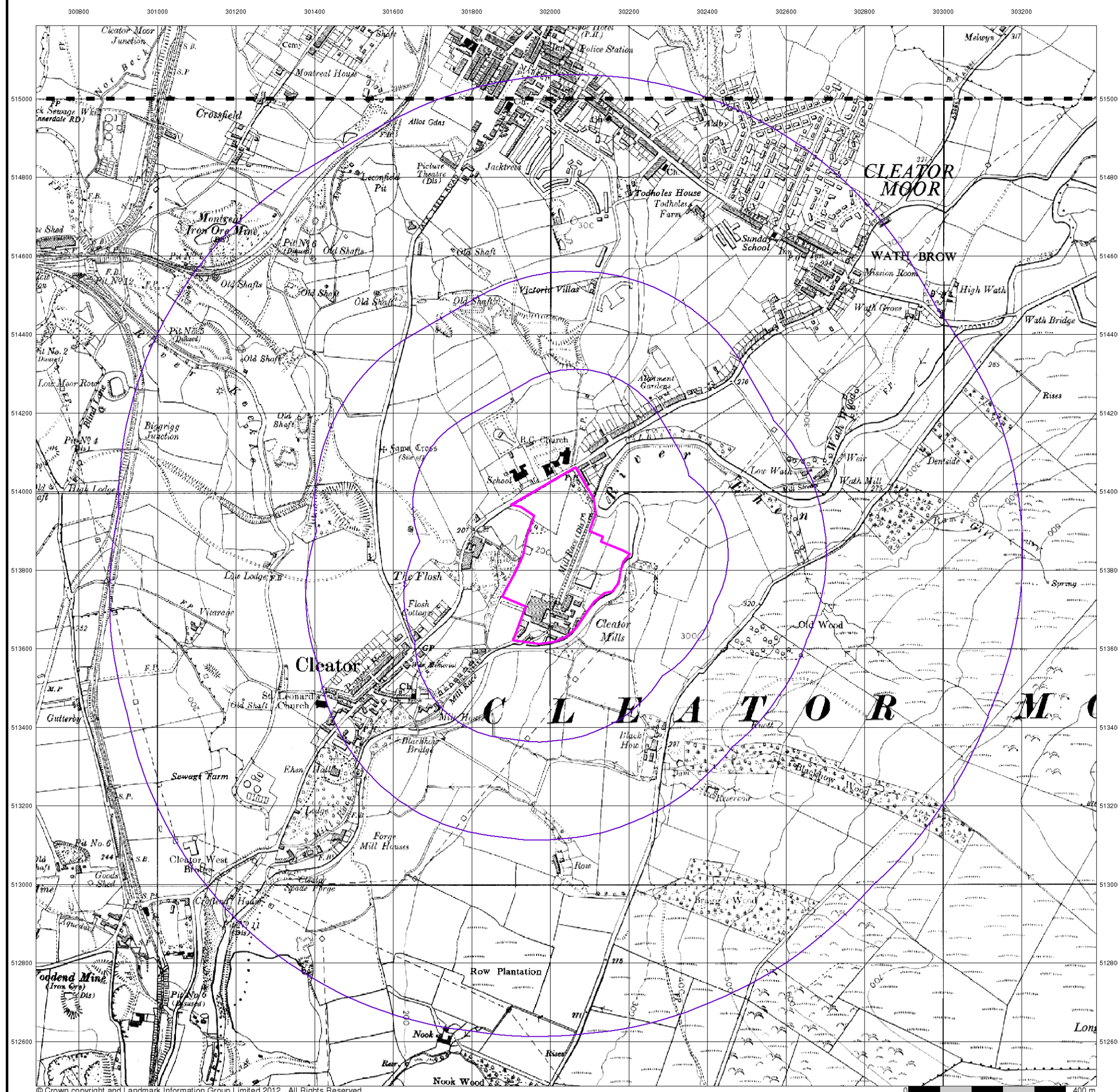


Order Details

Order Number: 46283628_1_1
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Slice: A
Site Area (Ha): 8.14
Search Buffer (m): 1000

Site Details

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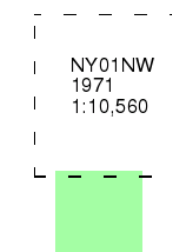
Ordnance Survey Plan

Published 1971

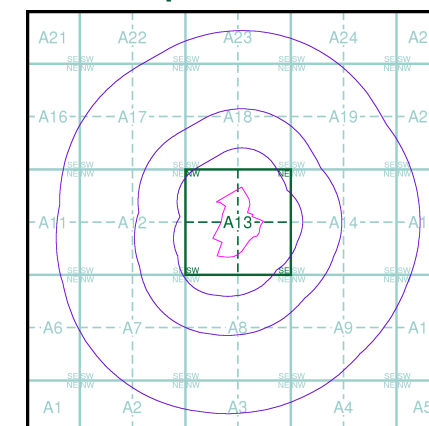
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

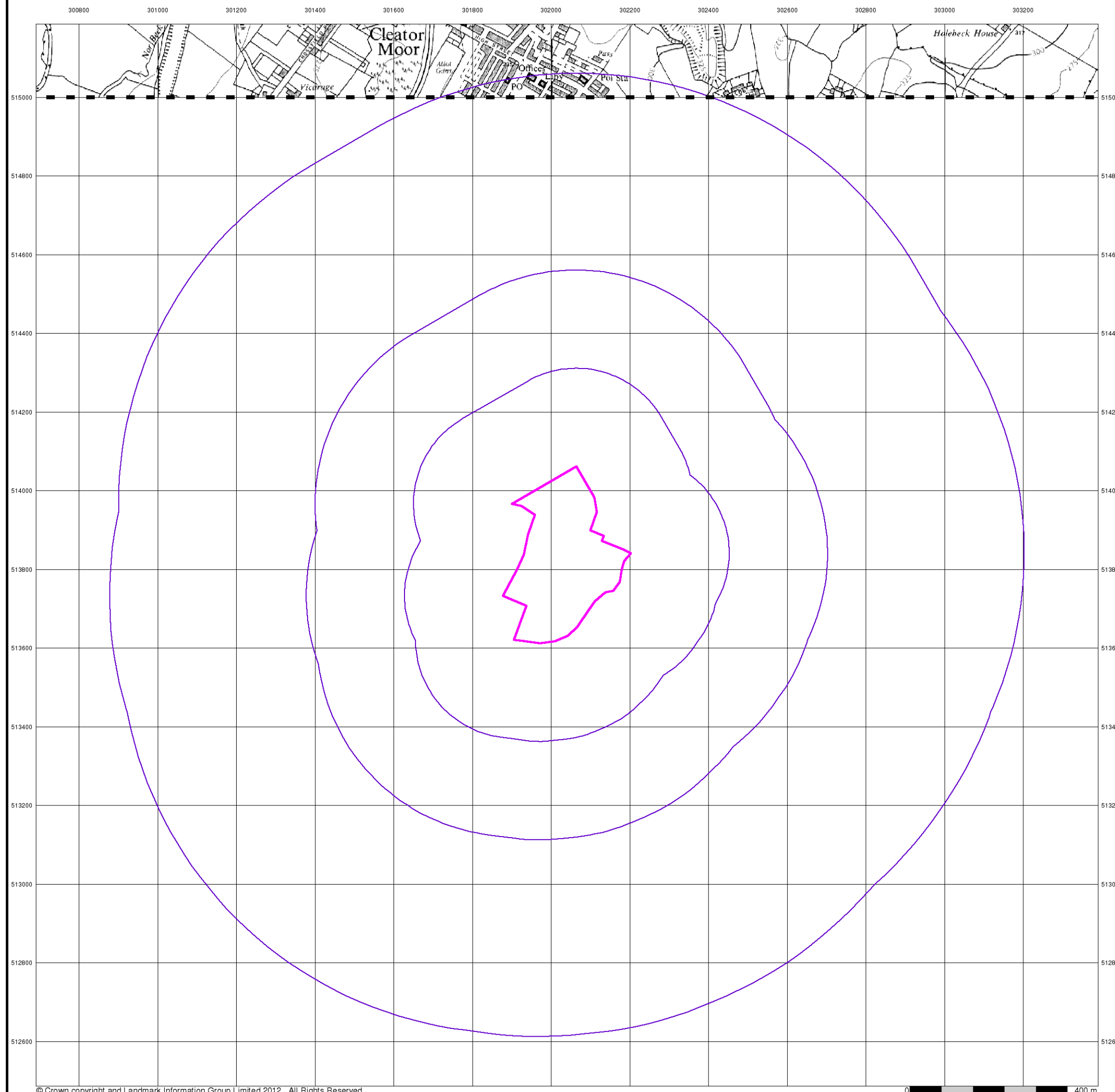
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Customer Ref: EES13-061
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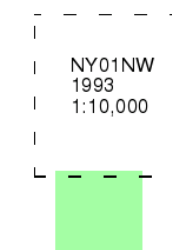
Ordnance Survey Plan

Published 1993

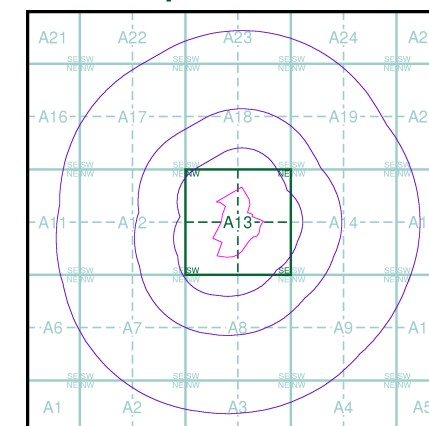
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

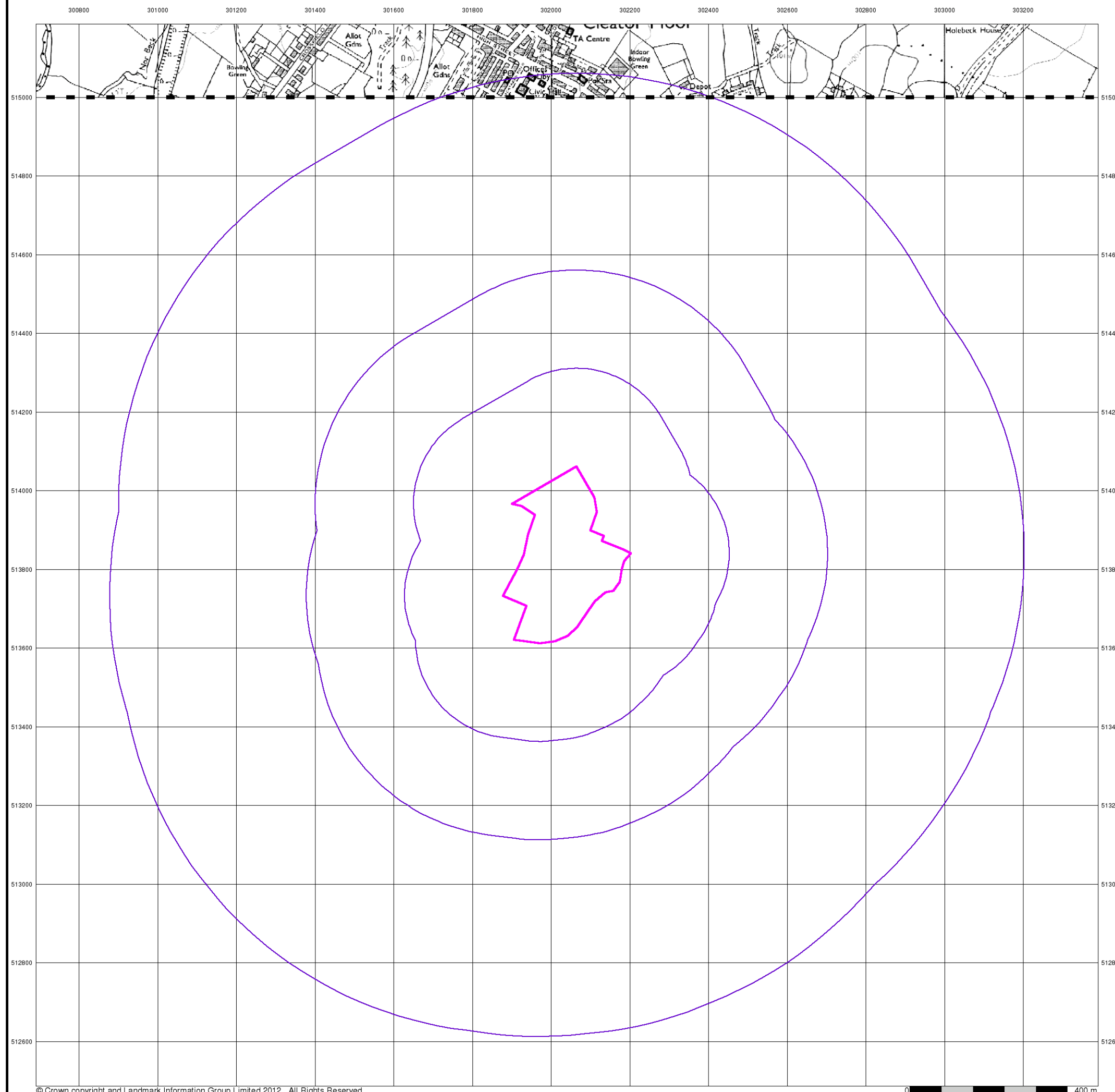
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Customer Ref: EES13-061
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Slice: A
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10k Raster Mapping

Published 2006

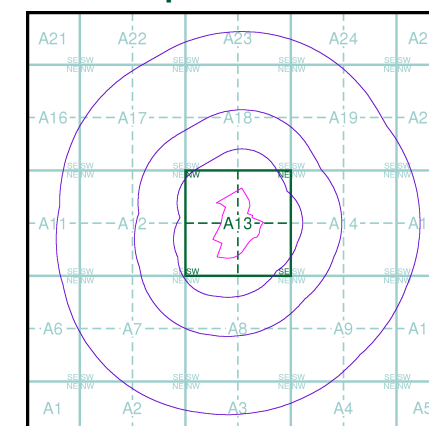
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

NY01NW	2006	1:10,000
NY01SW	2006	1:10,000

Historical Map - Slice A

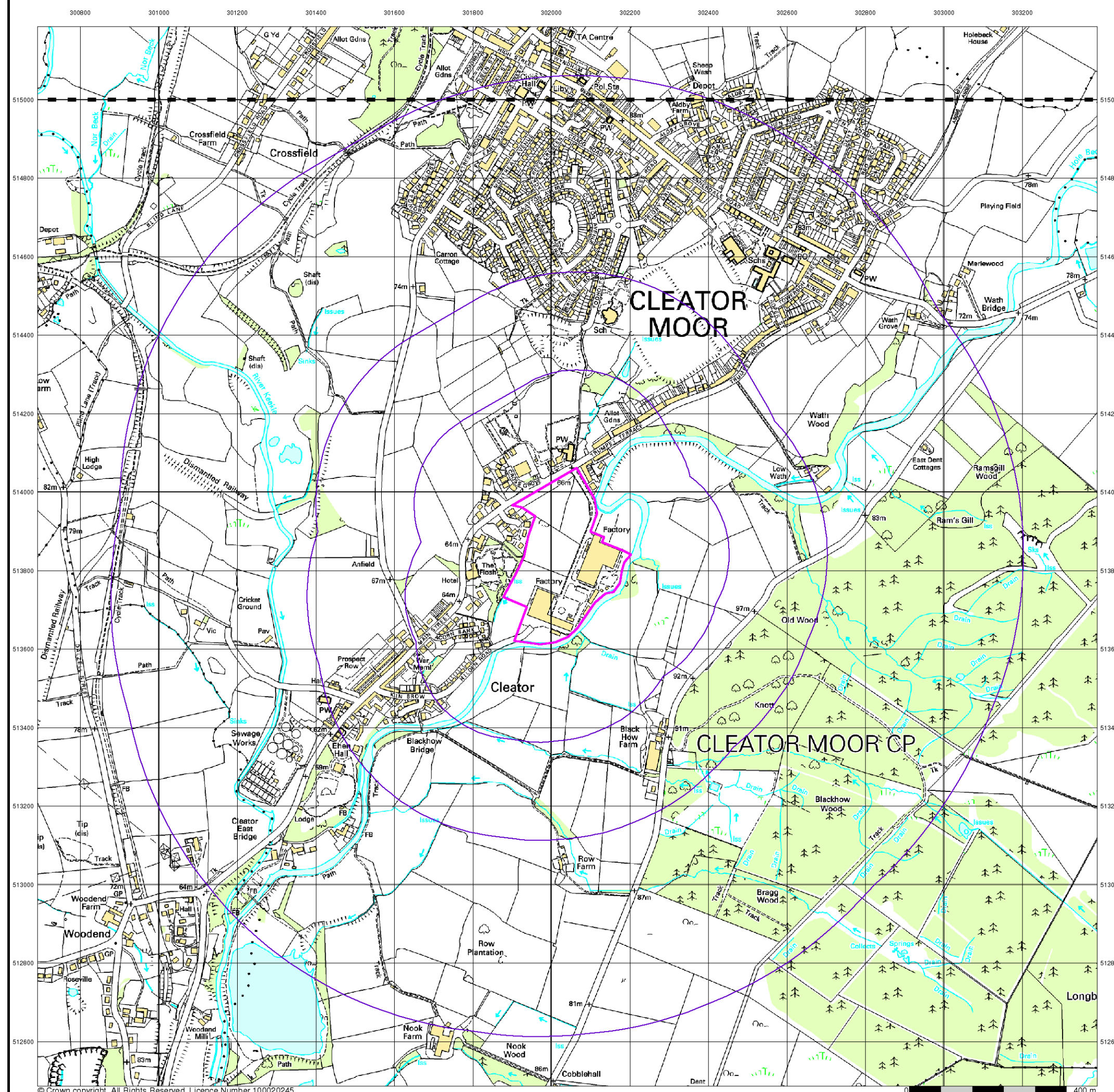


Order Details

Order Number: 46283628_1_1
Customer Ref: EES13-061
National Grid Reference: 302020, 513830
Slice: A
Site Area (Ha): 8.14
Search Buffer (m): 1000

Site Details

Former Kangol Factory, Cleator Mills, CLEATOR, Cumbria, CA23 3DU



10k Raster Mapping

Published 2013

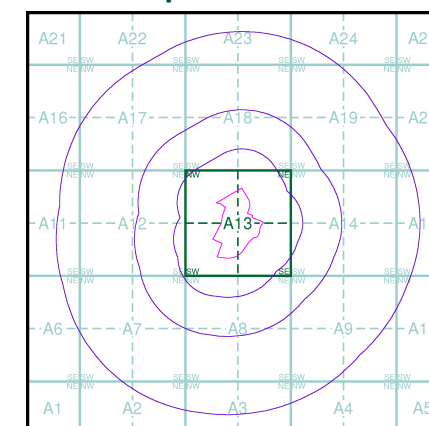
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

NY01NW	2013	1:10,000
NY01SW	2013	1:10,000

Historical Map - Slice A

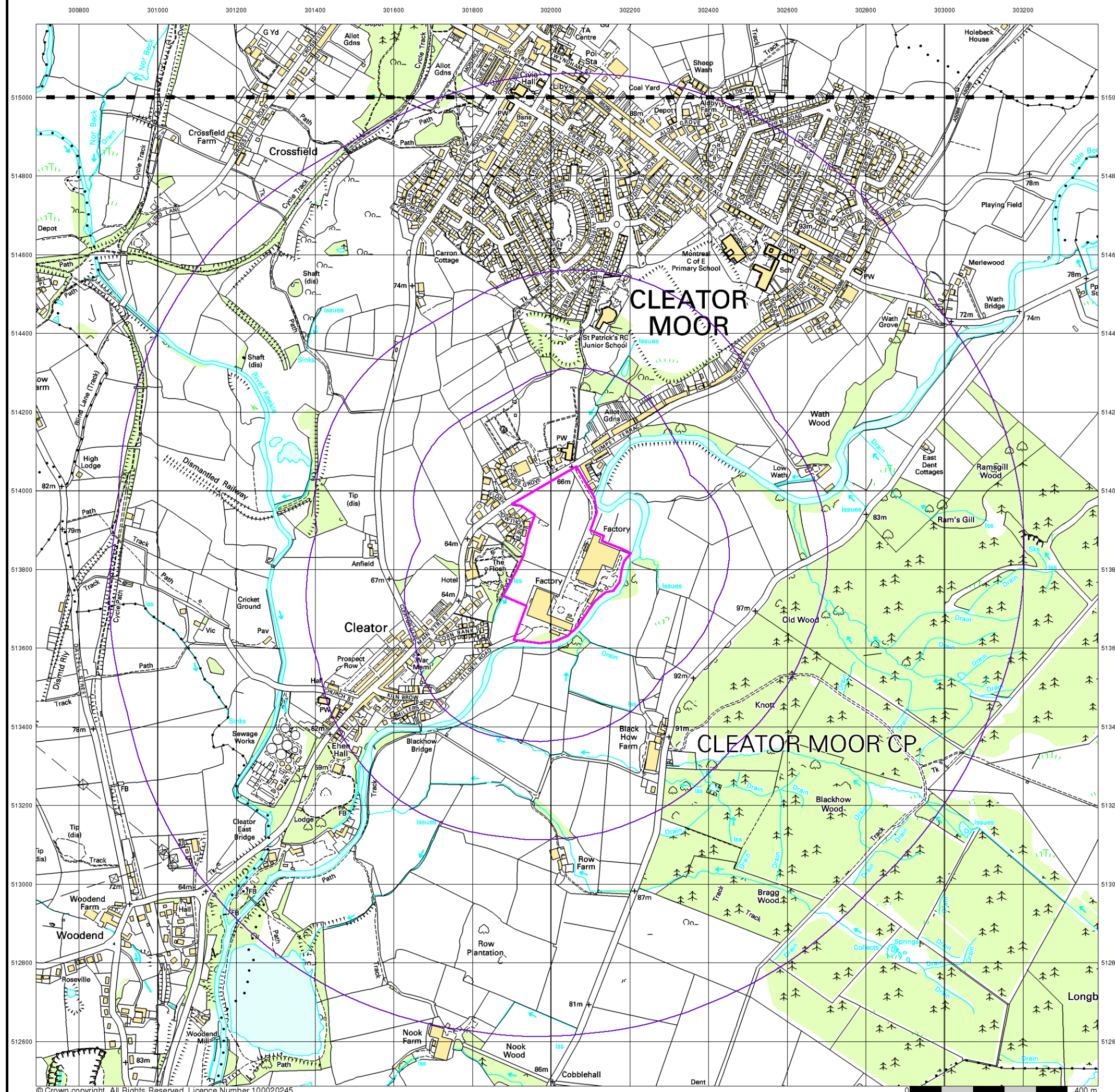


Order Details

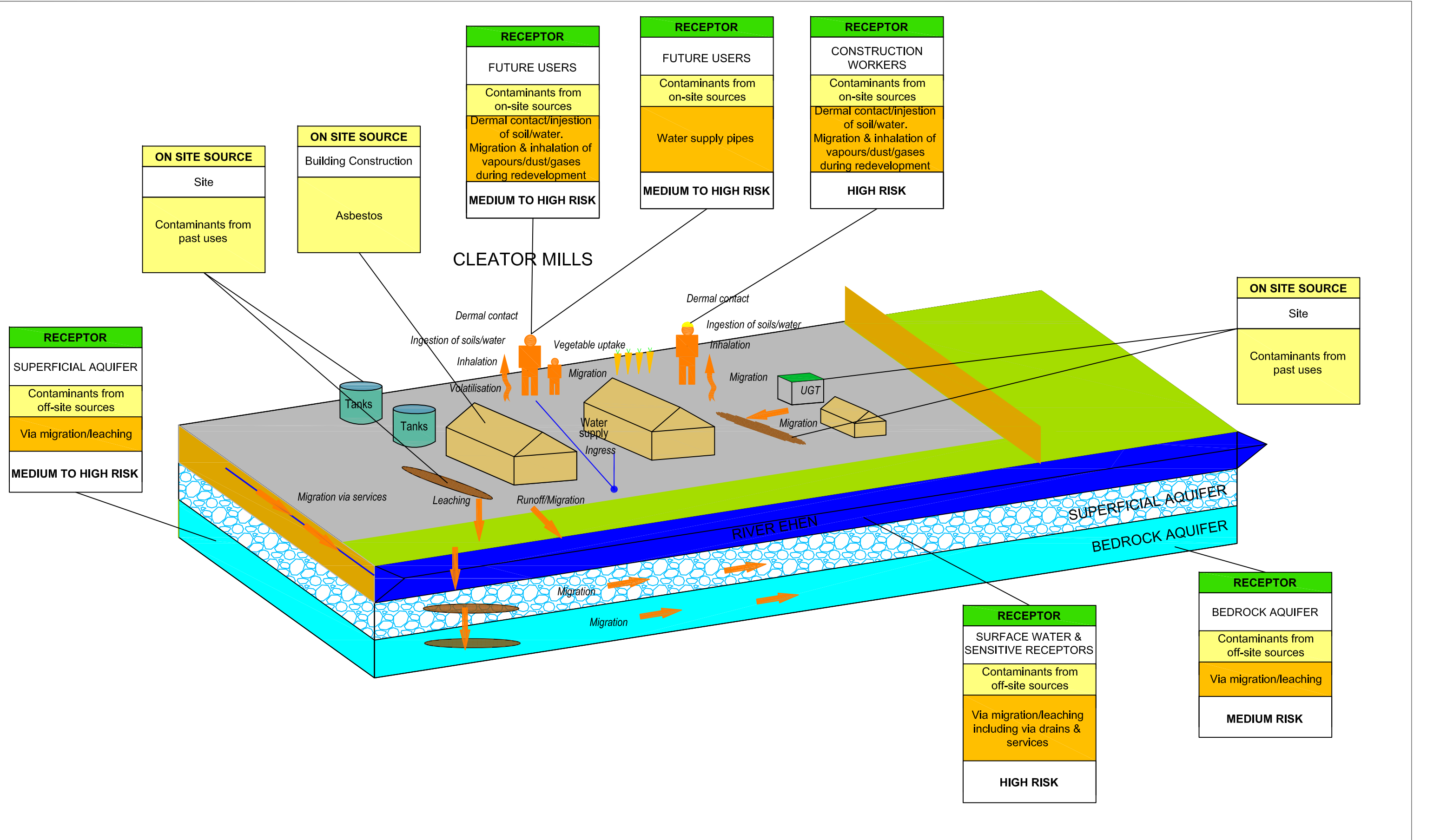
Order Number: 46283628_1_1
Customer Ref: EES13-061
National Grid Reference: 302020, 513830
Slice: A
Site Area (Ha): 8.14
Search Buffer (m): 1000

Site Details

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APPENDIX 5 – Preliminary Conceptual Site Model



CONCEPTUAL SITE MODEL FOR CLEATOR MILLS, CLEATOR MOOR

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