



ARP GEOTECHNICAL LTD
CHARTERED CONSULTING ENGINEERS

STAGE 1 GEO-ENVIRONMENTAL
DESK STUDY REPORT

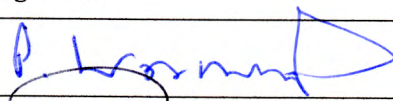


AT

LAND OFF CARR ROAD
DEEPCAR
STOCKSBRIDGE

ON BEHALF OF

HALLAM LAND MANAGEMENT LIMITED

JUNE 2016

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1.0 EXECUTIVE SUMMARY

The pertinent conclusions of the report are tabulated below. However, the information below is not exhaustive, and it is recommended the report is read in its entirety.

Proposed Development	Residential dwellings including private gardens.
Site Description (no walkover undertaken)	Arable and grazing farm land. Land slopes down to the northeast.
Site History	No development other than small sheds on the west.
Geology	Sandstone on most of the site. Mudstone/siltstone/sandstone on the northwest. Coal seam outcrop close to the northwest.
Coal Mining	Shallow underground mine workings are likely beneath the site. Coal seam related gas may be present and gas monitoring will be required. Rotary borehole investigation is required.
Hydrogeology	Secondary A Aquifer. No down-gradient abstractions.
Hydrology	Nearest watercourse is Clough Dike, at the northwestern boundary. No surface water abstractions within 1km.
Radon	No protection measures required.
Landfill Gas	Landfills 135m to southwest and 180m to northeast. Gas wells will need to be installed and monitored. Properties may require vents and floor membranes.
Ground Conditions	Probably topsoil, overlying weathered sandstone, over sandstone. Possible clay subsoils on northwestern margins, over mudstone/siltstone. Possible made ground from mining.
Contamination	Potentially, from made ground and small sheds on west. Site investigation and asbestos survey required.
Foundations	Strip or trench fill foundations, subject to investigation. Footings will need to be reinforced if mine workings are treated.
Excavations	Likely to be stable within natural strata, but instability can be expected within any unexpected made ground.
Soakaways	Soakaway drainage may be feasible, subject to confirmation by percolation testing.

2.0 TERMS OF REFERENCE

- 2.1 Hallam Land Management Limited is considering development of the site at Carr Road, Deepcar, Sheffield, with approximately 235 homes. It was considered appropriate to implement a desk study to provide information to aid the planning process, viability assessment, and design of any subsequent development.
- 2.2 ARP Geotechnical Ltd was appointed by DLP (Planning) Limited, acting on the authorisation of Hallam Land Management Ltd, to implement the report, which involved a desk study assessment of the geological and coal mining aspects, site history, potential contamination sources and receptors, and other environmental aspects including radon gas and indicative flood risk. An Envirocheck Report from Landmark Information Group, and a Coal Mining Report from the Coal Authority, were obtained to facilitate the study.
- 2.3 This report is intended to cover a wide scope of geotechnical issues, along with a Stage 1 risk appraisal of potential contaminant source - pathway - receptor linkages.
- 2.4 The report does not include any intrusive assessment, or a site walkover survey.
- 2.5 The study was commenced in May 2016.
- 2.6 The report has been prepared for the sole use and reliance of the Client. The report shall not be relied upon or transferred to any other parties without the written agreement of ARP Geotechnical Ltd. No responsibility will be accepted where this report is used, either in its entirety or in part, by any other party.

3.0 SITE DESCRIPTION

Site Location

- 3.1 The site, which is centred on Ordnance Survey Grid Reference SK 27730 97460, is located off Carr Road, north of the intersection with Hollin Busk Lane, in Deepcar, Stocksbridge. The proposed development is situated approximately 8km northwest of Sheffield.
- 3.2 A site location plan and site plan are presented in Appendix A.

On - Site Features

- 3.3 The site is an elongated, irregular shaped piece of land with an area of approximately 6.5 hectares, and overall dimensions of approximately 300m (north - south) by 450m (northeast - southwest).
- 3.4 Plans and publicly available aerial and street view photographs have been assessed. These records show the site is currently arable and grazing land and contains a small area of shed type farm buildings in the west.
- 3.5 Ground levels slope down to the north and north-northeast, with levels approximately 256m AOD at the southern boundary and 230m AOD at the northeastern boundary.
- 3.6 The site is divided into a number of fields separated by drystone walls and an internal wire fence. Small shed type farm buildings, over a 30m by 30m area, are present on the western third of the site.

Site Boundaries and Surrounding Land Use

- 3.7 The site is bounded by Hollin Busk Lane to the south, Carr Road and Royd farm to the southeast and mostly detached residential properties to the northeast. To the north, a watercourse (Clough Dike) and a dense area of woodland border the site. Open, stone-walled fields adjoin the northwestern boundary of the site.

Site History

- 3.8 Ordnance Survey archive maps were obtained for the site. Copies of the maps are included in Appendix B, and a summary of the findings is given below.

Map Date	On-Site	Off-Site
1854	The site is composed of several fields, with boundaries crossing the area.	Buildings (probable farm) adjoin middle of eastern boundary. Surrounded by fields. Minor watercourse and stepping stones marked just to the north of the site. Footpath running to north, close to northern boundary. Hollin Busk quarry marked 200m to the west.
1893	No significant changes.	Buildings to east now called Royd Farm. Royd hamlet across road to east. The Hollin Busk Colliery is located 140m to northwest, and shafts are noted 45m to E & 100m northeast. Brick works marked 400m to northeast. Springs marked on Royd Lane 400m to SE, and on Pot House Lane 1.2 kms to northwest (both at 825ft elev.).
1905	No significant changes.	A mine-related Air Shaft is located 45m south. Other shafts are located 70, 80 & 180m to east, northeast & east, respectively. Old coal pits are sited 400, 640 & 700m to the northwest. An old quarry is marked 640m west of the land.
1932	No significant change.	Hollin Busk colliery no longer shown. Quarry marked 280m to southwest.

1948	No significant change.	Houses on Coultas Ave. now shown at eastern site edge. Golf course located 50m south.
1966	No significant change.	Extensive residential development of Deepcar and Stubbin, bordering site to north.
1981	No significant change.	Further residential development south of Carr Road. Schools built 100m to northeast.
Later Maps, and Google Earth	No significant change, except for small agricultural sheds on west of site, by 2002.	No significant change.

- 3.9 In summary, the site has remained as arable and grazing land since at least 1854 to the present. Small shed type farm buildings (not shown on the maps but on Google Earth) were built some time before 2002. There is evidence of coal mining undertaken close to the site, with a colliery 140m to the northwest of the site and shafts as close as 45m south of the site. By 1966, extensive residential development had taken place that borders the site to the north, and was further expanded during the 1970s.

4.0 ENVIRONMENTAL SETTING

Geology

- 4.1 Extracts from the British Geological Survey (BGS) 1:50,000 Series Geology Maps are included within the Envirocheck Geology Report in Appendix C. The maps show the site to be underlain by Pennine Lower Coal Measures Formation. According to the map, the bulk of the site will be underlain by sandstone, though a small area along part of the northwestern margins is shown to comprise undifferentiated strata (mudstone, siltstone and sandstone). This mixed lithology is likely to occur beneath the sandstone on the remainder of the site, although it may thin out northeastwards.
- 4.2 The same BGS map indicates a northeast - southwest trending coal seam outcrop nearby, named Middle Band (Clay) Coal seam, given as 0.1-0.6m thick. The seam intersects and generally runs parallel to the northwestern boundary of the site, and because of the topography (stream valley) the outcrop is repeated 35m further northwest. The seam distribution suggests it dips at a low angle beneath the site.
- 4.3 There are no faults shown to affect the site, although a major fault runs 70m to the northwest, parallel to the site boundary.
- 4.4 According to the 1:100,000 scale 2006 BGS map of the mineral resources of South Yorkshire, the site is covered by a surface planning permission licence for fireclay (as of end 2005).

Coal Mining

- 4.5 A Coal Mining Report was obtained from The Coal Authority. A copy of the report is included in Appendix D, and a summary is given below.

- 4.6 The site is in the likely zone of influence of workings in one seam of coal at "shallow to 30m depth", and last worked in 1934. This wording suggests that Middle Band coal seam has been worked beneath the site, and that The Coal Authority has abandonment plans for the workings.
- 4.7 The site is in an area that could be affected by underground mining in one seam of fireclay at 70m depth, and last worked in 1940. However, at this depth, it is highly unlikely that associated ground movement would have the potential to adversely affect the site in the future.
- 4.8 The site is not affected by present or future proposed underground coal mining. The Authority refers to reserves in the locality that could be worked at some time in the future. However, given the effective abandonment of the coalfields in this area, any future workings are considered highly unlikely.
- 4.9 There are no recorded mine entries on or within 20m of the site. However, there is a theoretical risk of unrecorded mine entries in the locality which the Coal Authority has no knowledge of.
- 4.10 The site is unaffected by any past, present, or future proposed, opencast coal mining.
- 4.11 In view of the above, shallow coal mine workings are indicated to be present beneath the site. This possibility will need to be assessed by an intrusive investigation using a rotary drilling rig, and include a number of boreholes to 50m, to confirm that the deeper recorded fireclay workings do not affect ground stability. A gas monitoring programme should also be undertaken to test for the presence of coal seam derived gases.
- 4.12 Before any drilling is carried out, it would be advisable to obtain abandonment plans for the coal and fireclay workings, and it will also be necessary to apply to The Coal Authority for a Permit to investigate the coal seam/workings.

Coal Recovery

- 4.13 As there is one known seam beneath the site at "shallow to 30m depth", it is theoretically possible, though unlikely, that this could be worked by open excavation. This possibility should be assessed by an intrusive investigation (see 4.9 above). Therefore, there is a slim possibility of winning any coal from the site before development. Unless the coal proves to be very near the surface, it is unlikely that there will be any arisings of coal during proposed development works.

Hydrogeology

- 4.14 The Landmark Envirocheck Report, included in Appendix E, indicates the Bedrock Aquifer Designation to be "Secondary A". These Aquifers comprise "permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers ".
- 4.15 There are three active groundwater abstractions within 1km of the site, two of which are at 630m to the southeast and one of which is 750m to the south-southwest. All three are for general farming and domestic purposes. None are down the likely hydraulic gradient of the site.
- 4.16 The site is not within a groundwater Source Protection Zone.

Hydrology

- 4.17 The general area slopes down to the north-east. The nearest downslope surface water is a stream (Clough Dike), classed as a Tertiary River, issuing from the ground at an elevation of 240m at the northwestern boundary of the site. A spring line crosses close to the southern boundary of the site, trending northwest to southeast at 250 m elevation.

- 4.18 The site is not in an area at risk from river flooding. However, BGS Groundwater flooding data indicates that the northwestern margins of the site are within an area of "Potential for Groundwater Flooding of Property Situated below Ground Level" to occur. The risks of flooding from other causes such as adverse topography or insufficient surface water drainage, are not considered here, and a separate specialist Flood Risk and Drainage Report should be commissioned if such risk needs to be quantified.
- 4.19 There are no surface water abstractions within 1km of the site.

Other Environmental Data

- 4.20 The Landmark Envirocheck Report, included in Appendix E, contains information on numerous environmental aspects. A summary of the pertinent findings, not already covered, with additional comments, is given below.

4.20.1 There are no Pollution Control Authorisations within 500m of the site.

4.20.2 There are no discharge consents relating to, or adjacent to, the site.

4.20.3 There are two historical landfills within 250m of the site, both operated by Sheffield City Council. The nearest landfill, at 135m to the southwest, received industrial, commercial and household waste until 1986. The other, at Carr Road, 180m to the northeast, received industrial waste from the 1950s. The close proximity of these landfills to site will constitute grounds for a gas monitoring programme on site.

4.20.4 No radon protective measures are stated to be necessary for new dwellings or extensions on the site, and the site is within a lower probability radon area (1% of dwellings are above the action level).

4.20.5 There are no contemporary trade directory entries relating to any activities which could have significant impact on the site.

4.20.6 There are no fuel station entries within 250m of the site.

5.0 PRELIMINARY RISK ASSESSMENT AND CONCEPTUAL MODEL

5.1 Part II A of the Environmental Protection Act (EPA) 1990 became effective from 1st April 2000. The Regime was introduced by the Contaminated Land (England) Regulations 2000 (SI 2000, No. 227) along with the associated DEFRA Circular February 2000.

5.2 Section 78A (2) of the Act defines "Contaminated land is any land in such a condition, by reason of substances in, on or under that land that –

(a) significant harm is being caused or there is a significant possibility of such harm being caused; or

(b) pollution of controlled waters is being caused, or there is a significant possibility of such pollution being caused".

From S78A (4) "Harm" : means harm to the health of living organisms or other interference with the ecological systems of which they form part and, in the case of man, includes harm to his property.

Controlled waters are defined as "...the waters in any relevant lake or pond, or of so much of any relevant river or watercourse as is above the freshwater limit, and ground waters, that is to say, any waters contained in underground strata". From the 1st October 2004, the definition of groundwater in relation to Part IIA was amended, by the Second Water Act Commencement Order SI 2004 No 2528. This makes clear that "ground waters" does not include waters above the saturation zone, i.e. does not include any soil water and pore water present in the unsaturated zone.

5.3 The objectives of the regime are to ensure that risks associated with contaminated land are reduced to an acceptable level, having regard to the costs of doing so. The costs should be proportionate, manageable and economically sustainable.

- 5.4 In assessing risk, it is necessary to consider the probability, or frequency, of occurrence of the hazard and the magnitude/seriousness of the consequences. Consequently, for land to be classified as contaminated, it must have, or be very likely to have, a detrimental effect on humans or the environment before it can be classified as contaminated land.
- 5.5 In establishing risk, the concept of the pollutant source/pathway/receptor linkage model, based on current and proposed site use, is to be considered. Therefore for a site to be deemed contaminated under the Regime, all three linkages must be in place i.e. the site must not only contain harmful substances, but the substances must have a pathway by which to leak out and cause significant harm to a receptor.
- 5.6 In September 2004, the Environment Agency published the Contaminated Land Report (CLR) 11, "Model Procedures for the Management of Land Contamination". The document is intended to provide the technical framework for structured decision making about land contamination, and is intended to assist all those involved in "managing" the land, in particular landowners, developers, financial service providers, planners and regulators. As the document currently provides the framework for best practice, the general principles are, therefore, followed in conducting the assessment below.

Conceptual Site Model

- 5.7 It is known that the site is proposed for the construction of approximately 265 residential dwellings, many of which will include private gardens. The site is shown to be underlain by sandstone. The solid strata beneath the site are designated a "Secondary A" Aquifer. There are no groundwater abstractions within 1km down the likely hydraulic gradient from the site. The nearest surface water is a stream at the northwestern boundary. There are no surface water abstractions within 1km of the site.
- 5.8 The site has been continuously used as arable and grazing land since at least 1854. A small area of farm sheds, on the west of the site, are the only buildings known to have

been constructed on the site. The site is within an area of shallow coal mining. It is unlikely that made ground will be present on the site, but this cannot be discounted fully, as there may be made ground present associated with unrecorded mine shafts, or with open excavation of coal on the northwest of the site. The most likely contamination sources are considered to be:

5.8.1 Possible (unlikely) made ground - metals, inorganics, phenols, TPH, PAH, asbestos.

5.8.2 Possible asbestos within existing small farm sheds on the west of the site.

5.8.3 Landfills 135m to southwest and 180m to northeast, and shallow coal - methane, carbon dioxide.

5.9 The conceptual model needs to consider sources of contamination, pathways along which contaminants could migrate and the receptors, which may become exposed. Guidance published by the Environment Agency has been consulted with regard to pathways and receptors. The potential sources, pathways, and receptors, applicable to the proposed development are identified on the table below. Any pathways in italics are deemed not to be viable (and the reason given in brackets).

Potential Source - Pathway - Receptor Matrix

Contamination Sources	Pathways	Receptors
Possible made ground – metals, inorganics, phenols, TPH, PAH, asbestos.	<ul style="list-style-type: none"> Inhalation, ingestion and dermal contact with soil and dust Fruit and vegetable intake (with soil) Vapour inhalation outdoor Vapour inhalation indoor 	Humans:- <ul style="list-style-type: none"> Future occupants Construction workers Maintenance workers Adjacent residents and general public
Possible asbestos within existing farm shed type buildings on the west of the site.	<ul style="list-style-type: none"> Migration in surface water Migration in groundwater 	Controlled waters:- <ul style="list-style-type: none"> Groundwater (Secondary A Aquifer, no abstractions within 1km down hydraulic gradient) Surface water (nearest downslope is stream adjacent to north, and there are no abstractions)
	<ul style="list-style-type: none"> Migration 	Services/Utilities:- <ul style="list-style-type: none"> Potable water supply
Landfills and coal/mining – methane and carbon dioxide	<ul style="list-style-type: none"> Asphyxiation Explosive risk 	<ul style="list-style-type: none"> Construction/demolition workers Future occupants Buildings

5.10 The above matrix indicates there are potential source - pathway - receptor linkages applicable to the proposed development.

Further Investigation

5.11 The existence of the possible contamination sources is not yet known, and it is recommended that an investigation is undertaken to check for the possible presence of made ground, test the topsoil and any made ground for contamination, particularly in the area of the small sheds, and monitor for landfill and/or coal seam gases. The investigation should be implemented in accordance with BS10175 : 2011 + A1 : 2013 "Investigation of potentially contaminated sites - Code of practice", and any targeted sampling should also

be implemented. This will enable refinement of the conceptual model and a full assessment of the risks to be made, enabling any remedial strategy to be determined.

- 5.12 An intrusive rotary drilling investigation should be undertaken to test for evidence of coal and fireclay seams beneath the site, and any associated workings. Their possible presence has implications for the risk of mining related subsidence and harmful ground gas migration.
- 5.13 Gas monitoring wells should be installed, and monitored once per fortnight on six occasions, to determine the presence of any harmful gases.
- 5.14 The farm shed buildings should be checked to ensure asbestos is not present. If there is any doubt, an asbestos survey should be carried out.

6.0 COMMENTS AND CONCLUSIONS

Site Description

- 6.1 Plans, and publicly available aerial and street view photography, indicate the site is currently occupied by farmland and a small collection of shed type farm buildings in the west.
- 6.2 Surrounding land to the south and west is used as arable and grazing land. A stream and woodland area adjoin the northwestern boundary, with residential properties beyond. To the north and east, residential dwellings border the site. The ground slopes down to the northeast, with fall in elevation of around 25m across the site.

Site History

- 6.3 Ordnance Survey archive maps show that the site has remained as arable and grazing lands since at least 1854 to the present. Small shed type farm buildings (not shown on the maps but on Google images) were built some time before 2002. There is evidence of coal mining undertaken close to the site, with a colliery 140m to the northwest of the site and shafts as close as 45m south of the site. By 1966, extensive residential development had taken place that borders the site to the north, and was further expanded during the 1970s.

Geology

- 6.4 The geological map shows the site to be underlain by Pennine Lower Coal Measures strata, the majority being sandstone, and a small area along part of the northwestern margins undifferentiated strata (mudstone, siltstone and sandstone). A coal seam outcrops close to the northwest and probably underlies the site at a shallow depth.

Mining and Coal Recovery

- 6.5 The Coal Mining Report together with the geological and historic evidence discussed in the present report indicate a high possibility of unrecorded shallow coal workings beneath the site, and deeper fireclay workings. These aspects will need to be assessed by an intrusive investigation using a rotary drilling rig. The resulting investigation will include a number of boreholes to 50m, to confirm that the deeper recorded fireclay workings do not affect ground stability. A gas monitoring programme should also be undertaken to test for the presence of coal seam derived gases.
- 6.6 Before any drilling is carried out, it would be advisable to obtain abandonment plans for the coal and fireclay workings, and it will also be necessary to apply to The Coal Authority for a Permit to investigate the coal seam/workings.
- 6.7 It is unlikely that arisings of coal will occur during proposed development works. There is a slim possibility of winning any coal from the site before development.

Environmental Data

- 6.8 The strata beneath the site are classed as a “Secondary A” Aquifer. There are no groundwater abstractions within 1km down the likely hydraulic gradient of the site.
- 6.9 The nearest downslope surface water is a stream, classed as a Tertiary River, at the northwestern boundary of the site. However, there are no surface water abstractions within 1km of the site.
- 6.10 No radon protective measures are required for properties constructed on the site. However, there are two landfills within 250m of the site and coal seam generated gas may occur at shallow depths beneath the site. Gas monitoring wells should be installed, and monitored fortnightly on six occasions, as part of an intrusive investigation. There could, therefore, be a requirement for gas protection within the proposed properties.

- 6.11 The site is not at risk from river flooding. However, BGS Groundwater flooding data indicates that the northwestern margins of the site are within an area of "Potential for Groundwater Flooding of Property Situated below Ground Level" to occur. The risks of flooding from other causes such as adverse topography or insufficient surface water drainage, are not considered here, and a separate specialist Flood Risk and Drainage Report should be commissioned if such risk needs to be quantified.

Likely Ground Conditions and Behaviour of Excavations

- 6.12 The subsoils beneath the site are likely to comprise granular material derived from weathering of the underlying sandstone, on the majority of the site. On the northwestern margins of the site, subsoils may be cohesive, as this area is indicated to be underlain by mixed mudstone/siltstone/minor sandstone strata. There is the possibility of made ground associated with unrecorded mine shafts, or with open excavation of coal on the northwest of the site
- 6.13 It is likely that excavations into the natural strata will remain stable in the short term, requiring minimal trench support, in accordance with the prevailing statutory guidance. However, instability may be anticipated within any made ground discovered on the site.
- 6.14 The groundwater regime can only be confirmed by an intrusive investigation. However, it is considered unlikely that shallow groundwater is present on the bulk of the site, from the information available within the desk study appraisal. Nevertheless, shallow groundwater may be present in a thin strip along the north western boundary, especially during extended periods of wet weather.
- 6.15 Excavations into the natural subsoils will probably be readily achieved using conventional hydraulic plant. However, a breaker may be required for any excavations into rock.

Contamination Assessment

6.16 The desk study has identified the following potential contamination sources:

6.16.1 Possible (unlikely) made ground - metals, inorganics, phenols, TPH, PAH, asbestos.

6.16.2 Possible asbestos within existing small farm sheds on the west of the site.

6.16.3 Landfills 135m to southwest and 180m to northeast, and shallow coal - methane, carbon dioxide.

and that there is a possibility of source - pathway - receptor linkages if the site is redeveloped with the proposed residential dwellings.

6.17 The existence of the possible contamination sources is not known, and it is recommended that a ground investigation is implemented, to check for the possible presence of made ground, test the topsoil and any made ground for contamination, particularly in the area of the small sheds, and monitor for landfill and/or coal seam gases. This will enable a refinement of the conceptual model and a full assessment of risks to be undertaken, enabling any Remediation Strategy to be determined. Properties may require vents and floor membranes.

6.18 It will also be necessary to assess the small sheds on the west of the site for the possible presence of asbestos. If there is any doubt, an asbestos survey of the existing buildings should be completed prior to demolition.

Foundations

- 6.19 It is anticipated that traditional strip or trench fill foundations will be acceptable for the site, subject to the thickness of existing fill material and proposed loading. This will need to be confirmed by an intrusive investigation, which will also test for shallow mine workings beneath the land. If shallow workings are present beneath the site which require grout treatment, then following the grouting, foundations will need to be a minimum 300mm thick and reinforced with two layers of B503 mesh. If any areas of deep made ground are present locally, then alternative founding solutions may be required for these areas.

Road Pavement Construction

- 6.20 For any areas of road pavement, including car parking areas, the design California Bearing Ratio (CBR) will depend upon the exact nature of the formation. On natural subsoils, it is anticipated a design CBR of at least 2% will be applicable. If any significant made ground is present, earthworks are likely to be required, to a specification to be agreed with the regulatory authority.

Soakaways

- 6.21 It is possible that the use of soakaway drainage is feasible, but this will be subject to confirmation by percolation testing.

A P P E N D I X A

S I T E L O C A T I O N P L A N A N D S I T E P L A N



0m 100m 200m (approx.)

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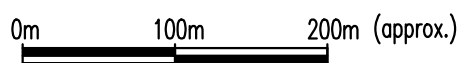
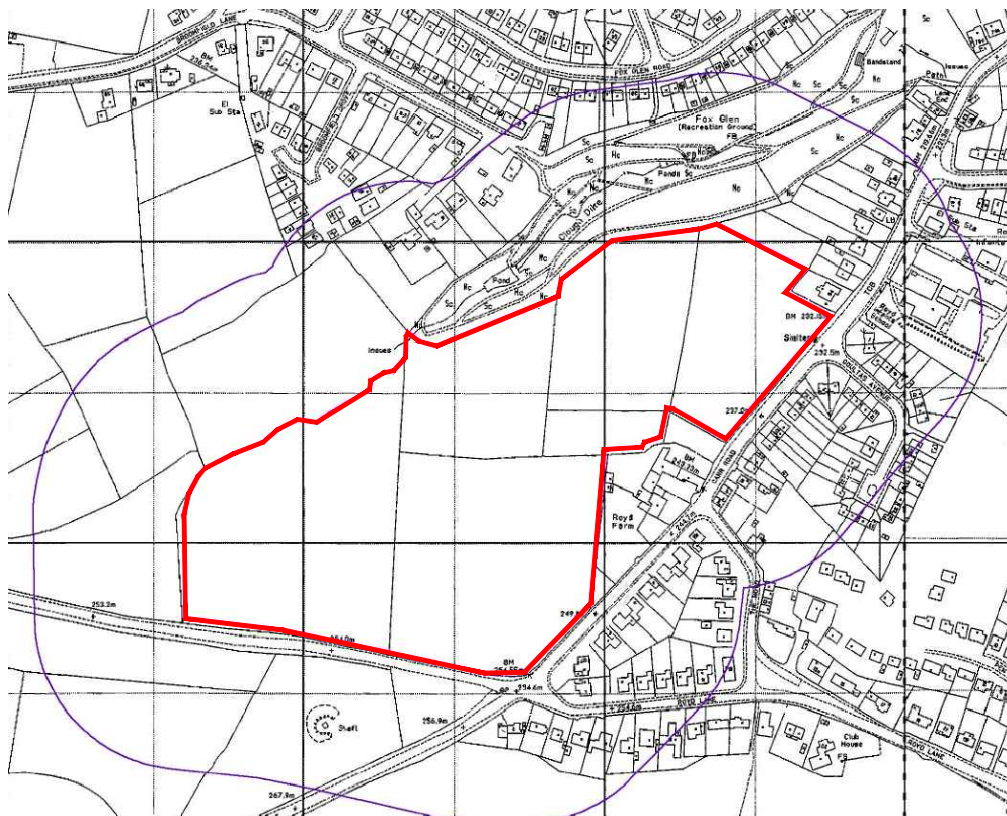
Title
SITE LOCATION PLAN

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Date MAY 16	Chk. PW
Drg. No. HLT/09/SI.01	Rev /



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ARP GEOTECHNICAL LTD CHARTERED CONSULTING ENGINEERS Northwest House • 5/6 Northwest Business Park Servia Hill • Leeds LS6 2QH Telephone : 0113 245 8498 • Fax : 0113 244 3864 E-Mail : leeds@arpassociates.co.uk				Scale NTS @ A4	Drawn CG
				Date MAY 16	Chk. PW
				Drg. No. HLT/09/SI.02	Rev /

Title
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HALLAM LAND MANAGEMENT LIMITED

A P P E N D I X B

ORDNANCE SURVEY ARCHIVE MAPS

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

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

1:10,000 Raster Mapping

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

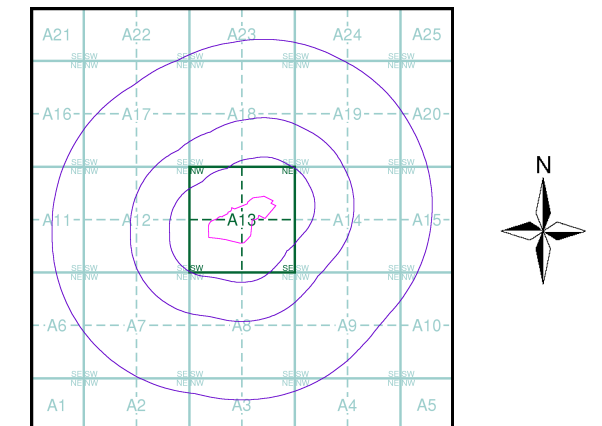


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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:10,560	1855	2
Yorkshire	1:10,560	1894	3
Yorkshire	1:10,560	1905 - 1906	4
Yorkshire	1:10,560	1924 - 1932	5
Yorkshire	1:10,560	1938 - 1948	6
Yorkshire	1:10,560	1948	7
Ordnance Survey Plan	1:10,000	1955	8
Ordnance Survey Plan	1:10,000	1966	9
Ordnance Survey Plan	1:10,000	1981	10
Ordnance Survey Plan	1:10,000	1991	11
10K Raster Mapping	1:10,000	2000	12
Street View	1:10,000	2015	13

Historical Map - Slice A



Order Details

Order Number: 87409751_1_1
Customer Ref: HLT/09
National Grid Reference: 427730, 397460
Slice: A
Site Area (Ha): 6.59
Search Buffer (m): 1000

Site Details

Carr Road, Deepcar, SHEFFIELD



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ARP GEOTECHNICAL LIMITED
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Yorkshire

Published 1855

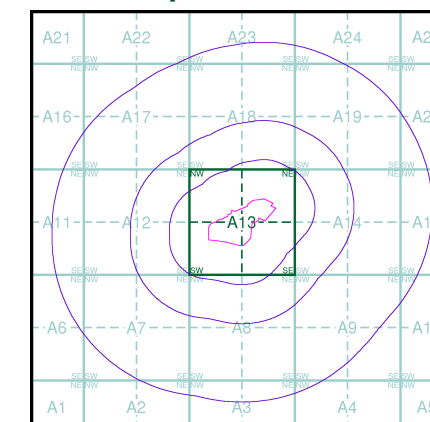
Source map scale - 1:10,560

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)

28100 1855 1:10,560	28200 1855 1:10,560
28700 1855 1:10,560	28800 1855 1:10,560

Historical Map - Slice A



Order Details

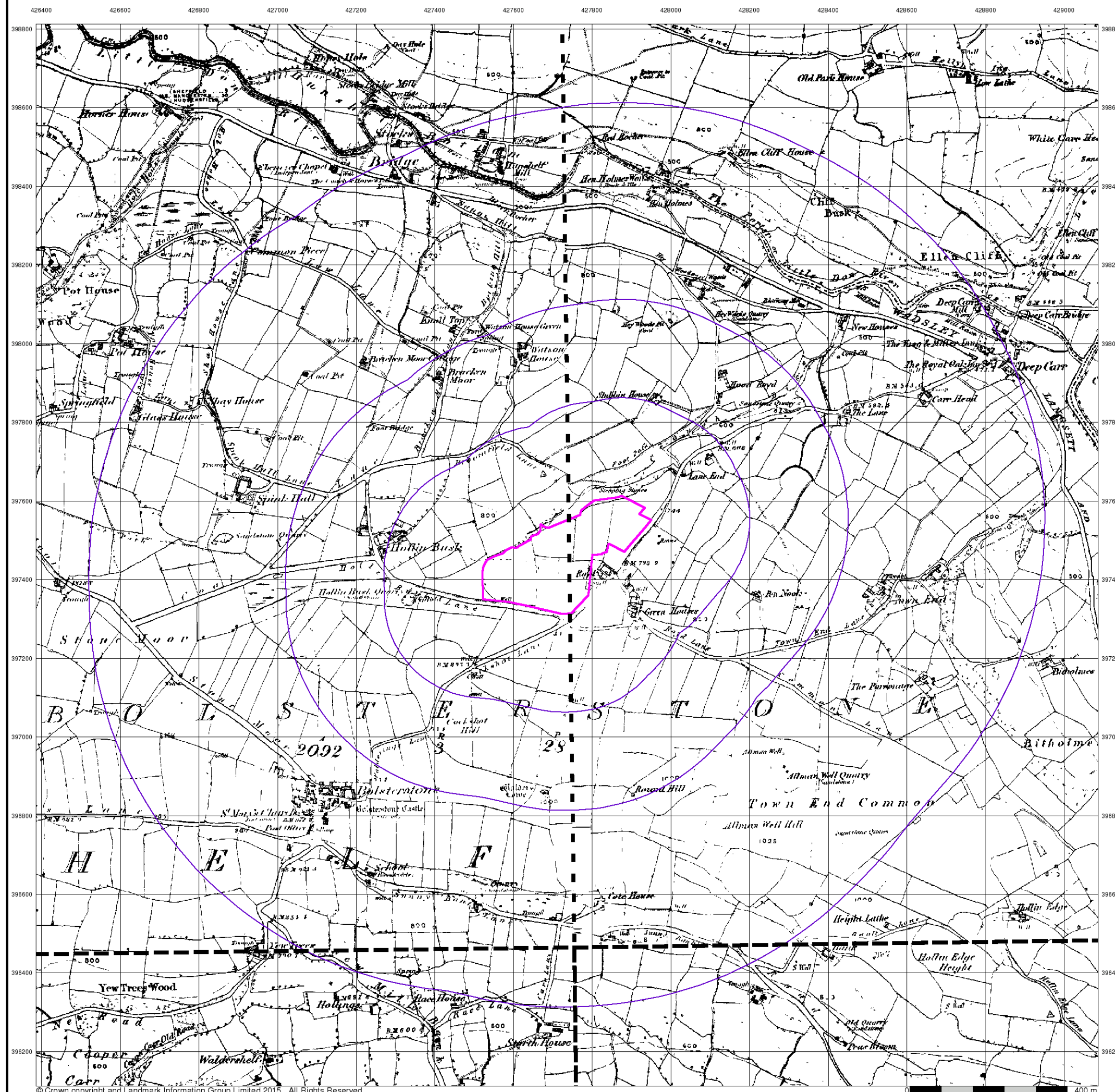
Order Number: 87409751_1_1
Customer Ref: HLT/09
National Grid Reference: 427730, 397460
Slice: A
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Search Buffer (m): 1000

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Yorkshire

Published 1894

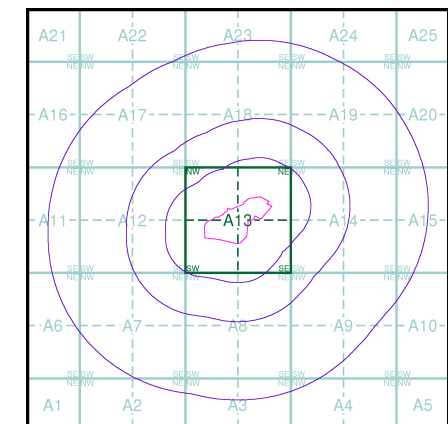
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

281SE 1894 1:10,560	282SW 1894 1:10,560
287NE 1894 1:10,560	288NW 1894 1:10,560

Historical Map - Slice A



Order Details

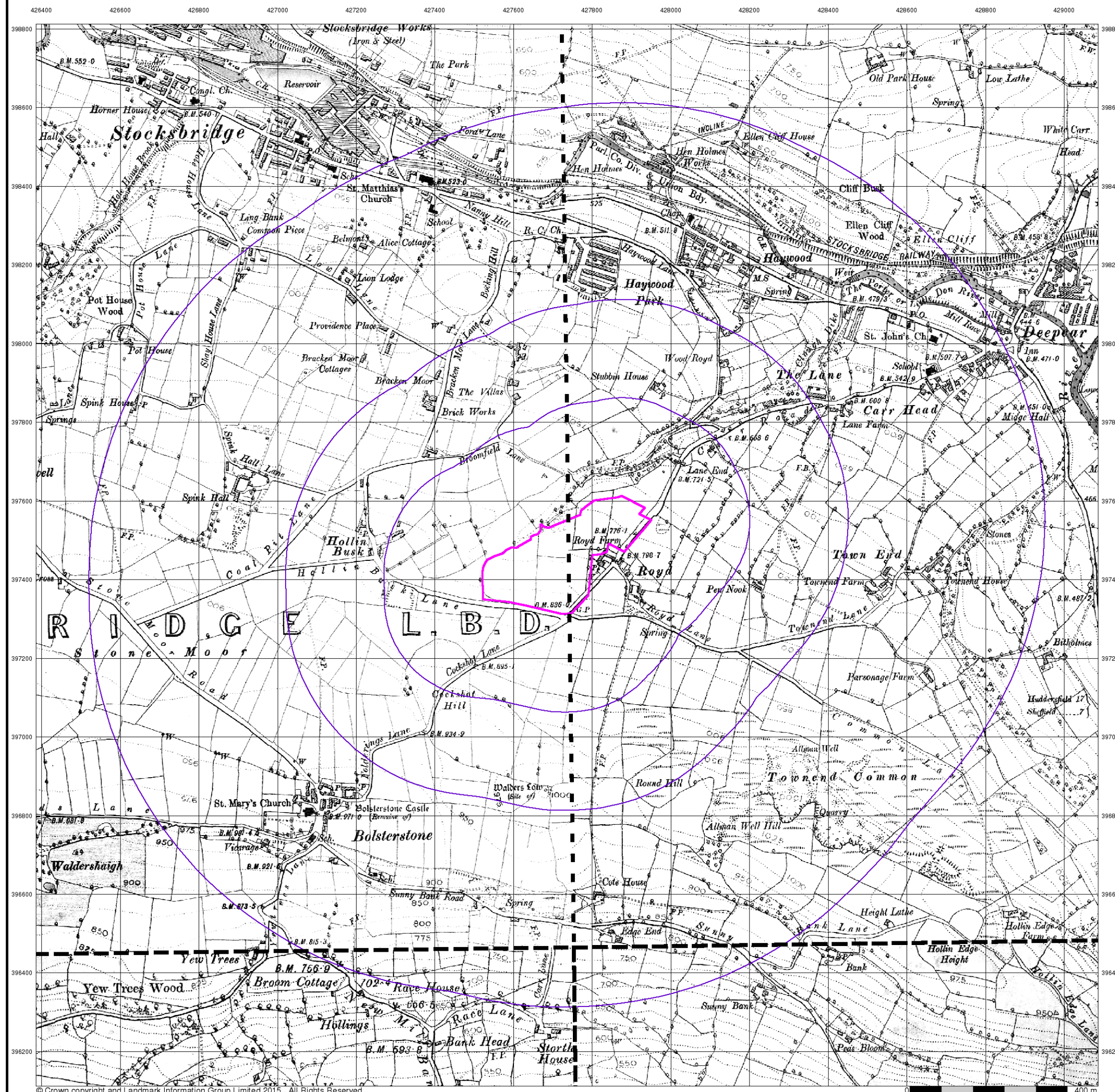
Order Number: 87409751_1_1
Customer Ref: HLT/09
National Grid Reference: 427730, 397460
Slice: A
Site Area (Ha): 6.59
Search Buffer (m): 1000

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Yorkshire

Published 1905 - 1906

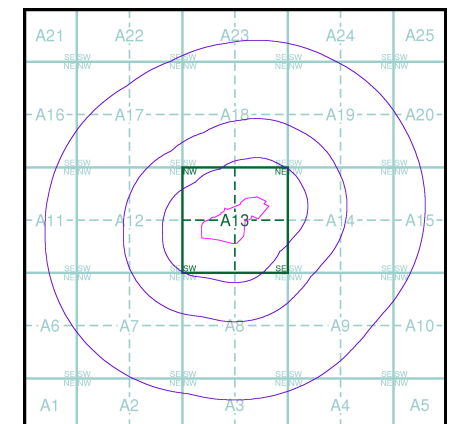
Source map scale - 1:10,560

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)

281SE 1906 1:10,560	282SW 1906 1:10,560
287NE 1905 1:10,560	288NW 1905 1:10,560

Historical Map - Slice A



Order Details

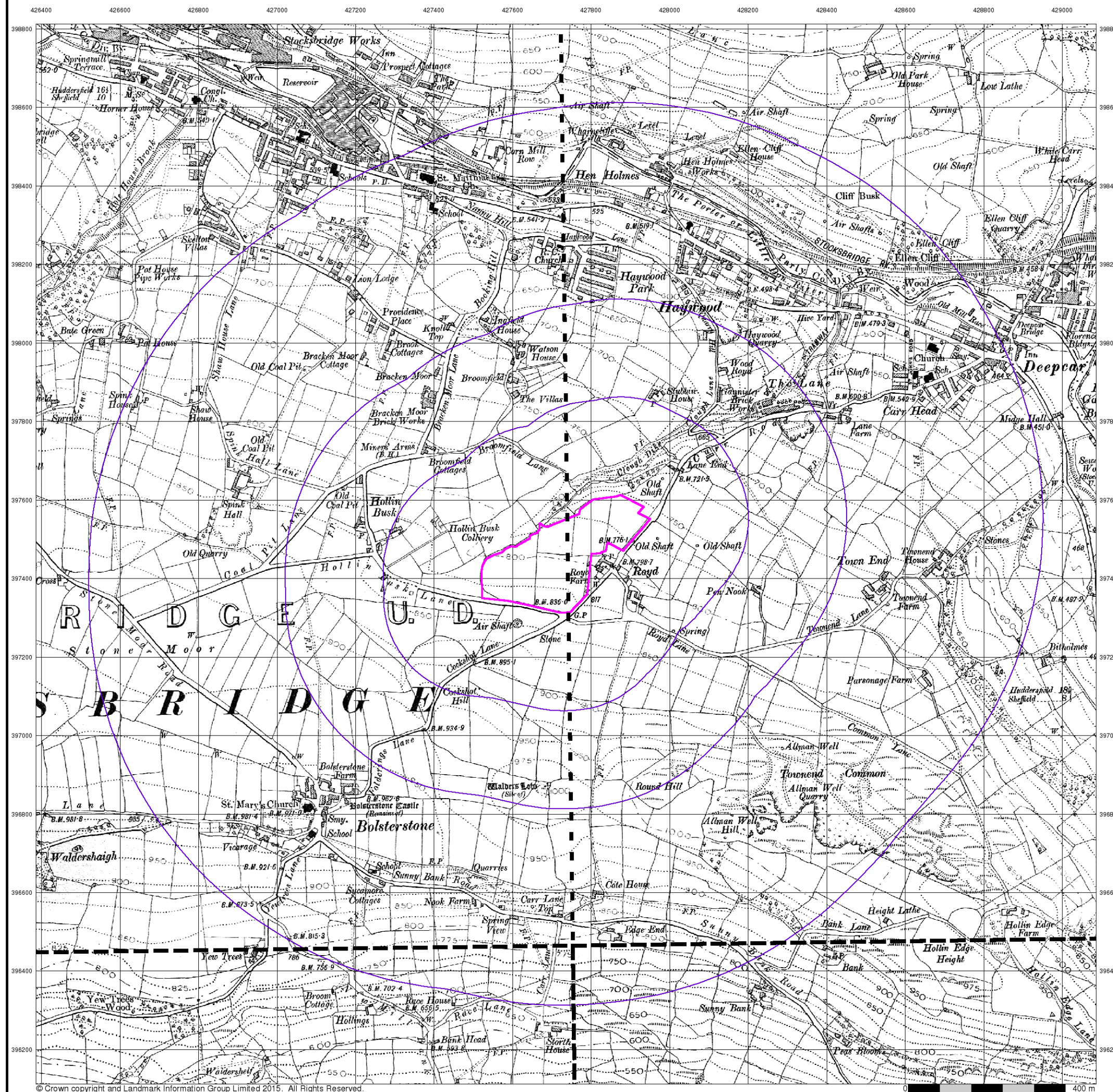
Order Number: 87409751_1_1
Customer Ref: HLT/09
National Grid Reference: 427730, 397460
Slice: A
Site Area (Ha): 6.59
Search Buffer (m): 1000

Site Details

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Yorkshire

Published 1924 - 1932

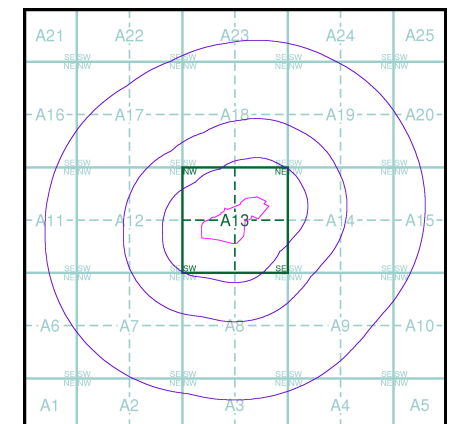
Source map scale - 1:10,560

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)

281SE 1931 1:10,560	282SW 1932 1:10,560
287NE 1932 1:10,560	288NW 1924 1:10,560

Historical Map - Slice A



Order Details

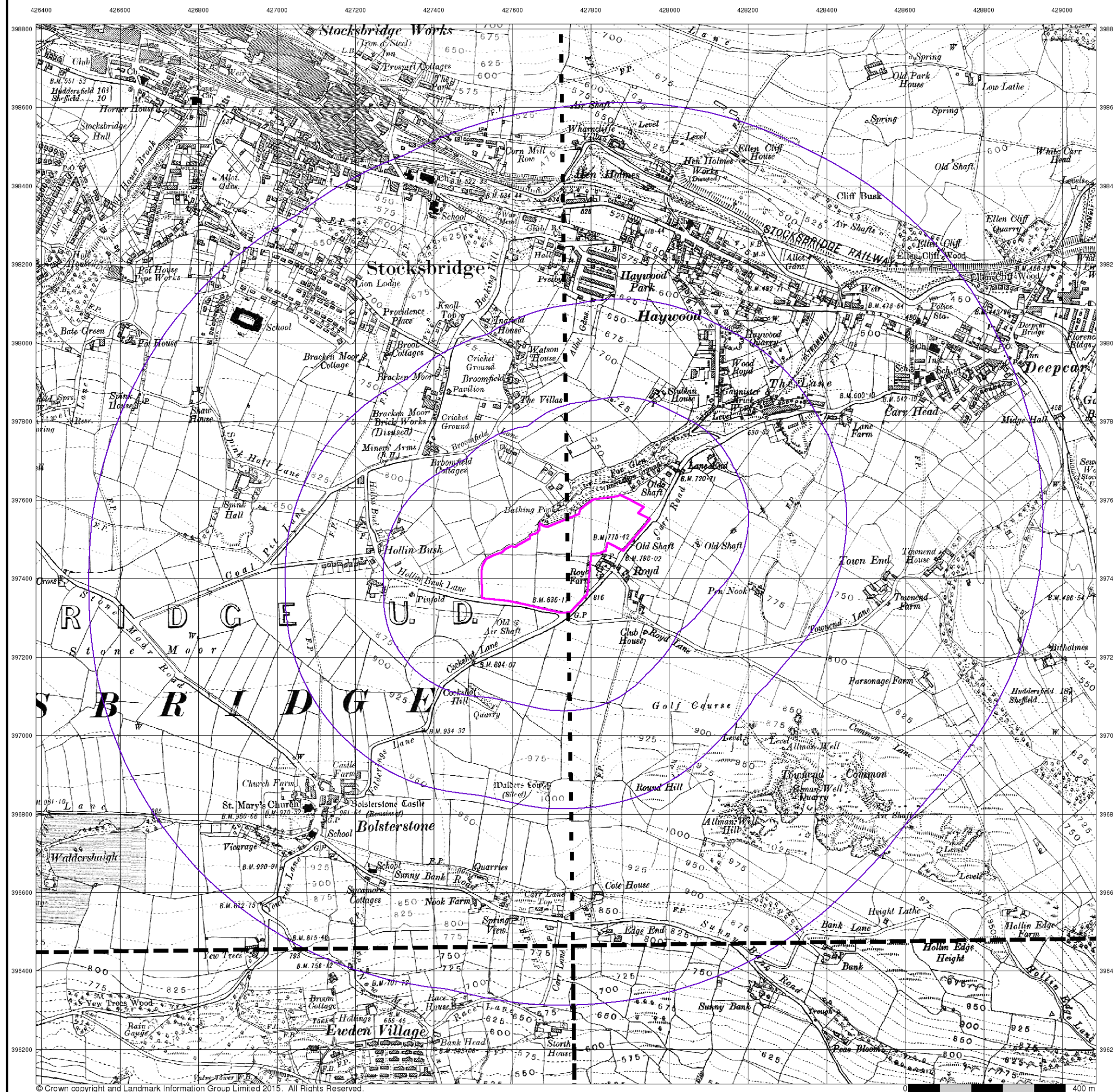
Order Number: 87409751_1_1
Customer Ref: HLT/09
National Grid Reference: 427730, 397460
Slice: A
Site Area (Ha): 6.59
Search Buffer (m): 1000

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Yorkshire

Published 1938 - 1948

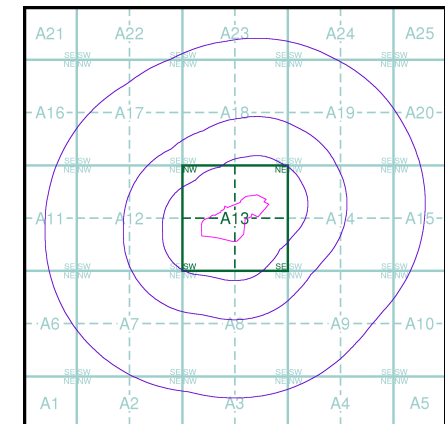
Source map scale - 1:10,560

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)

281SE 1938 1:10,560	282SW 1938 1:10,560
287NE 1948 1:10,560	288NW 1938 1:10,560

Historical Map - Slice A



Order Details

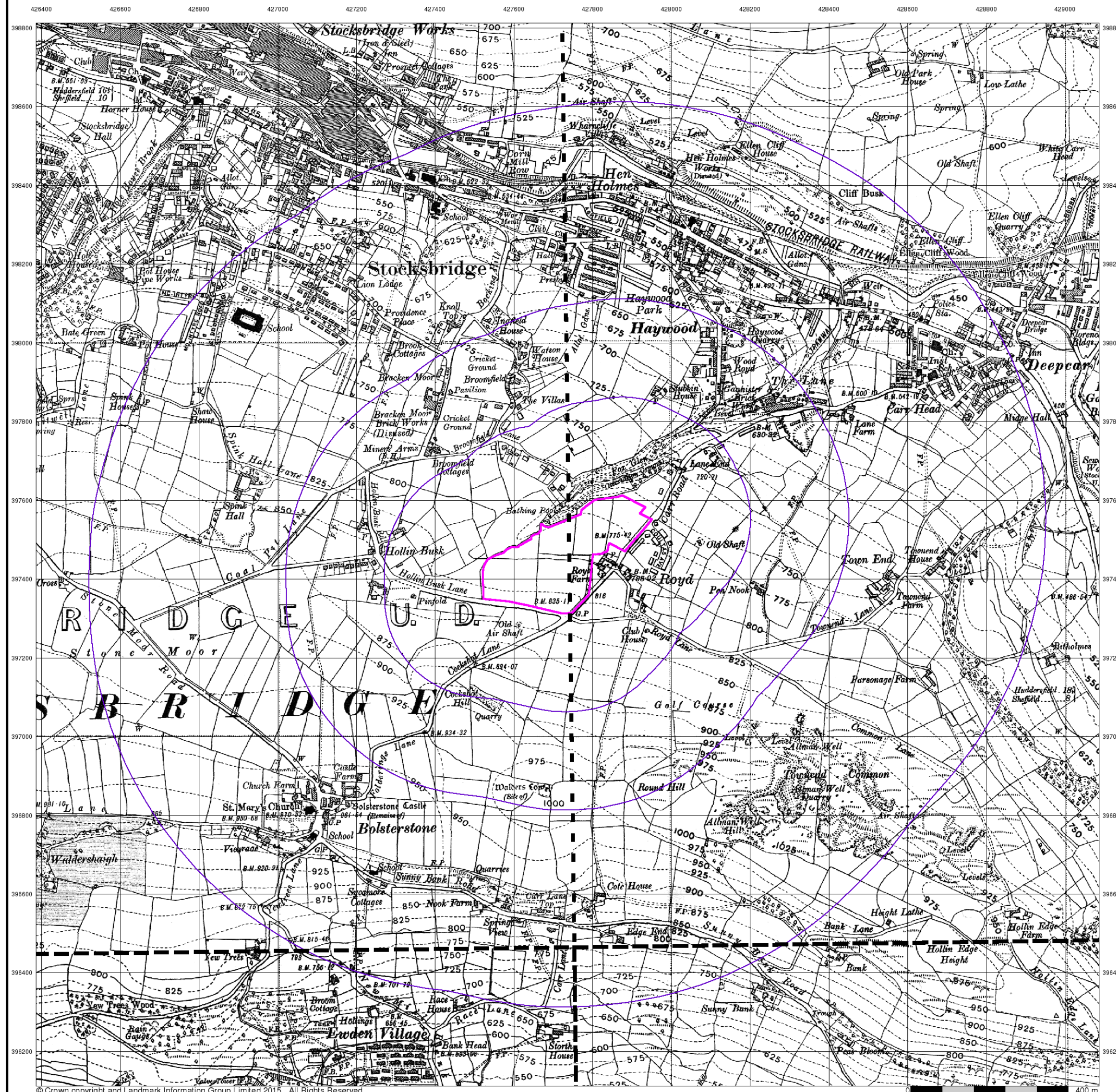
Order Number: 87409751_1_1
Customer Ref: HLT/09
National Grid Reference: 427730, 397460
Slice: A
Site Area (Ha): 6.59
Search Buffer (m): 1000

Site Details

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Yorkshire

Published 1948

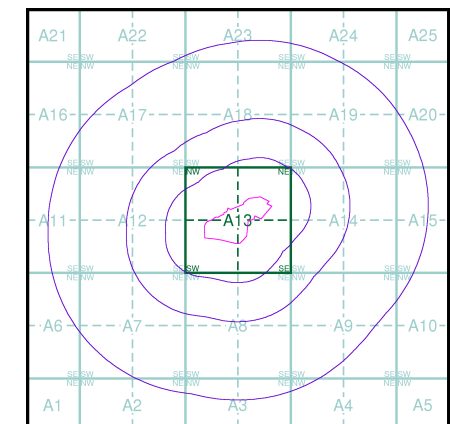
Source map scale - 1:10,560

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)

281SE 1948 1:10,560	282SW 1948 1:10,560
	288NW 1948 1:10,560

Historical Map - Slice A



Order Details

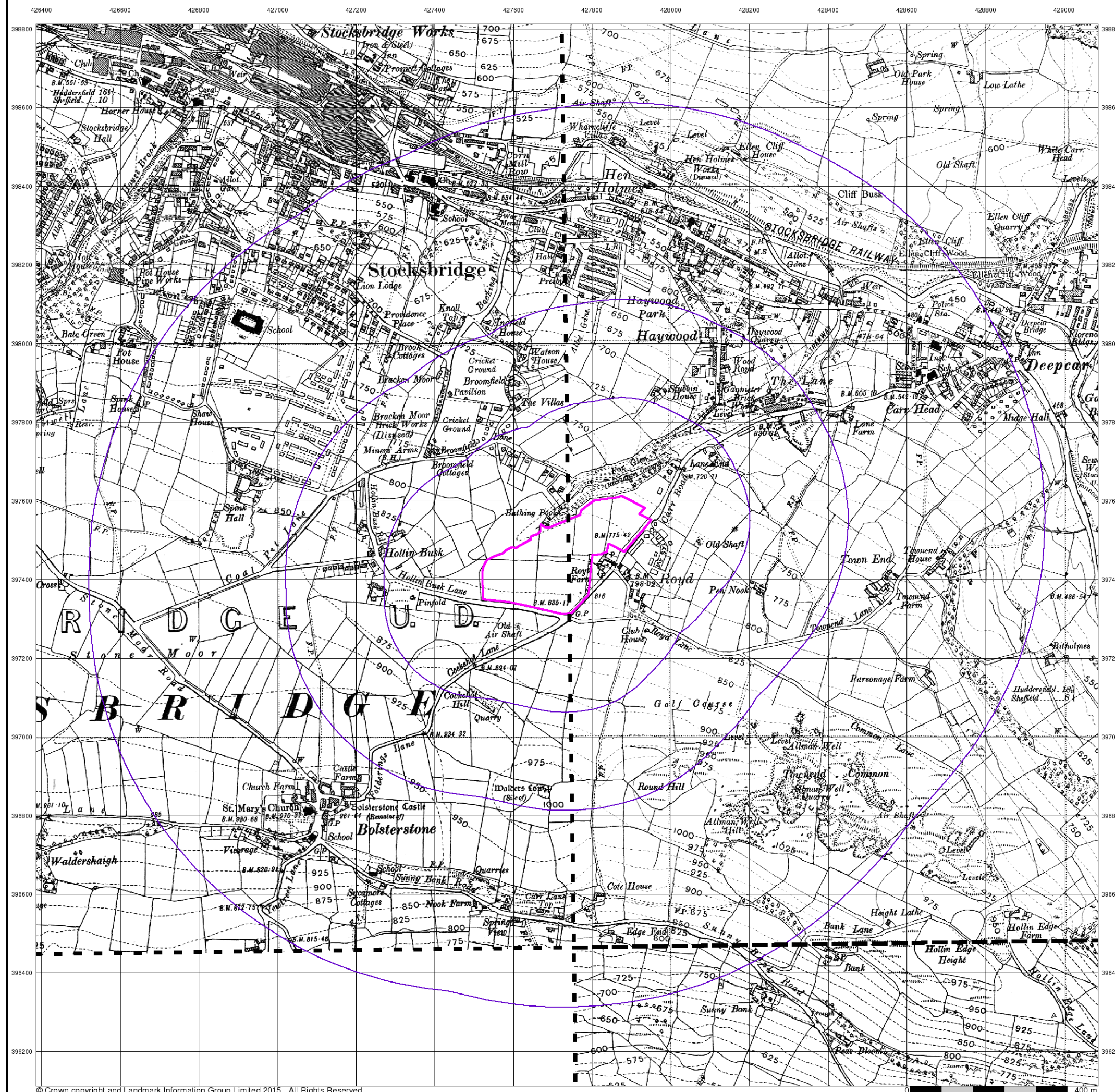
Order Number: 87409751_1_1
Customer Ref: HLT/09
National Grid Reference: 427730, 397460
Slice: A
Site Area (Ha): 6.59
Search Buffer (m): 1000

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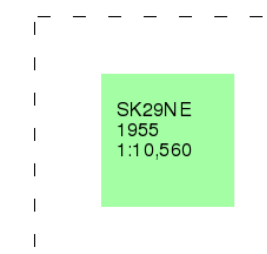
Ordnance Survey Plan

Published 1955

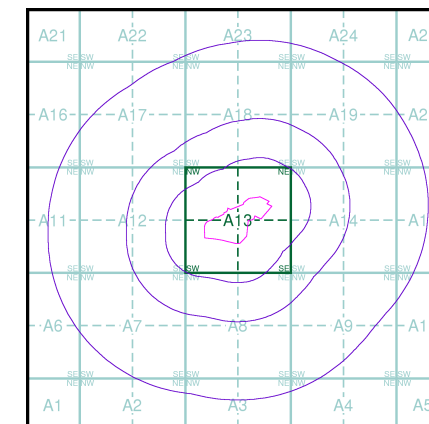
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 87409751_1_1
Customer Ref: HLT/09
National Grid Reference: 427730, 397460
Slice: A
Site Area (Ha): 6.59
Search Buffer (m): 1000

Site Details

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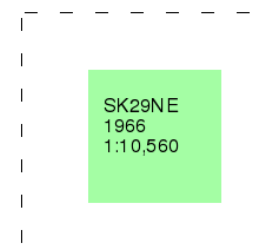
Ordnance Survey Plan

Published 1966

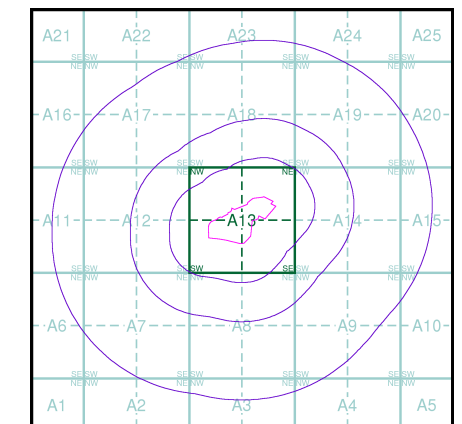
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

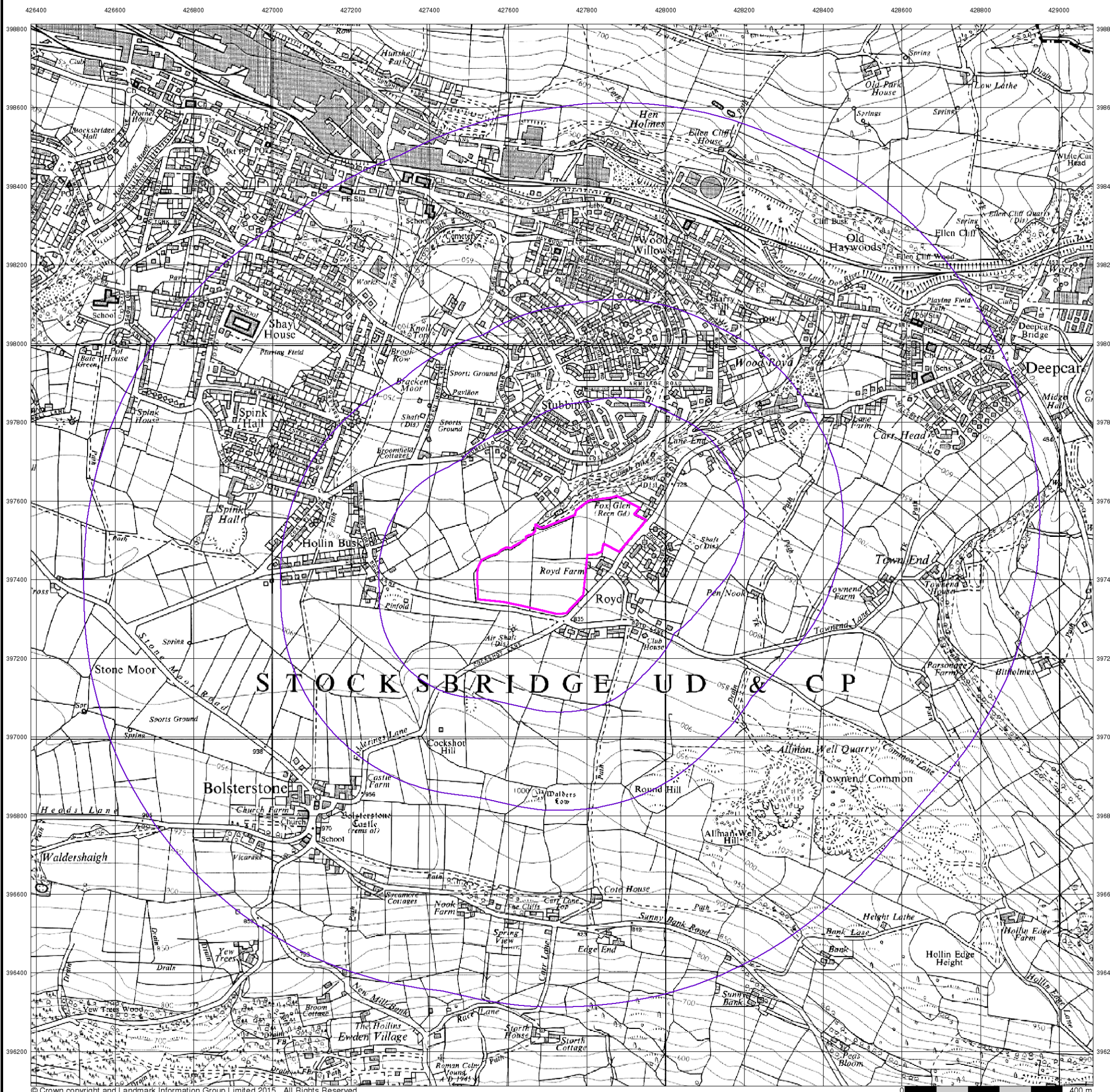
Order Number: 87409751_1_1
Customer Ref: HLT/09
National Grid Reference: 427730, 397460
Slice: A
Site Area (Ha): 6.59
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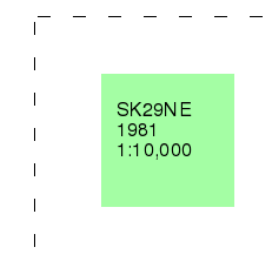
Ordnance Survey Plan

Published 1981

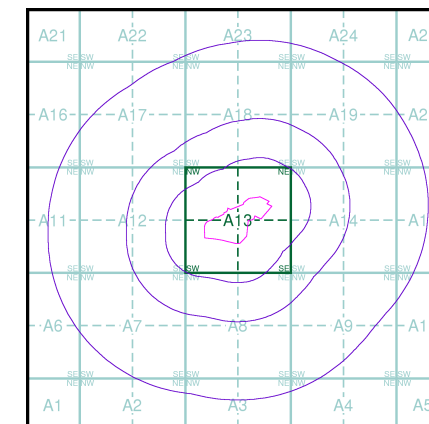
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 87409751_1_1
Customer Ref: HLT/09
National Grid Reference: 427730, 397460
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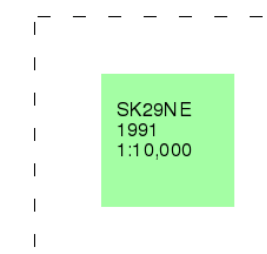
Ordnance Survey Plan

Published 1991

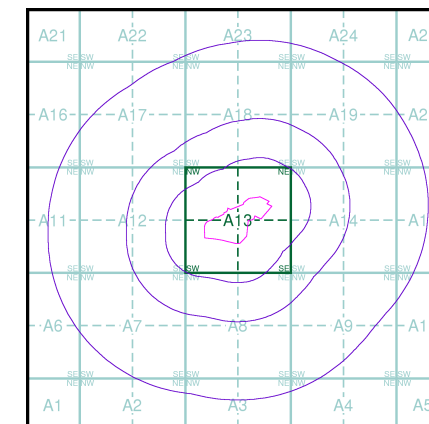
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 87409751_1_1
Customer Ref: HLT/09
National Grid Reference: 427730, 397460
Slice: A
Site Area (Ha): 6.59
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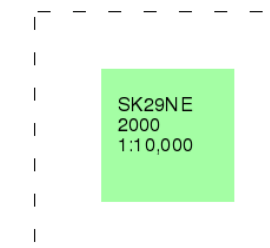
10k Raster Mapping

Published 2000

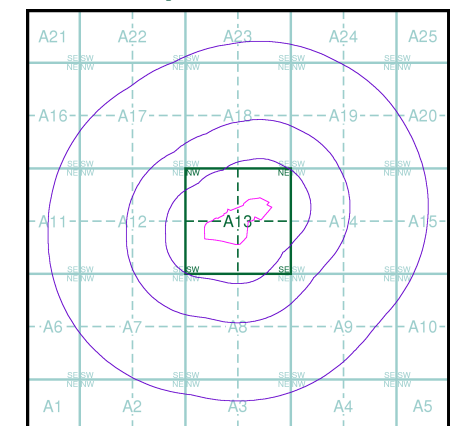
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

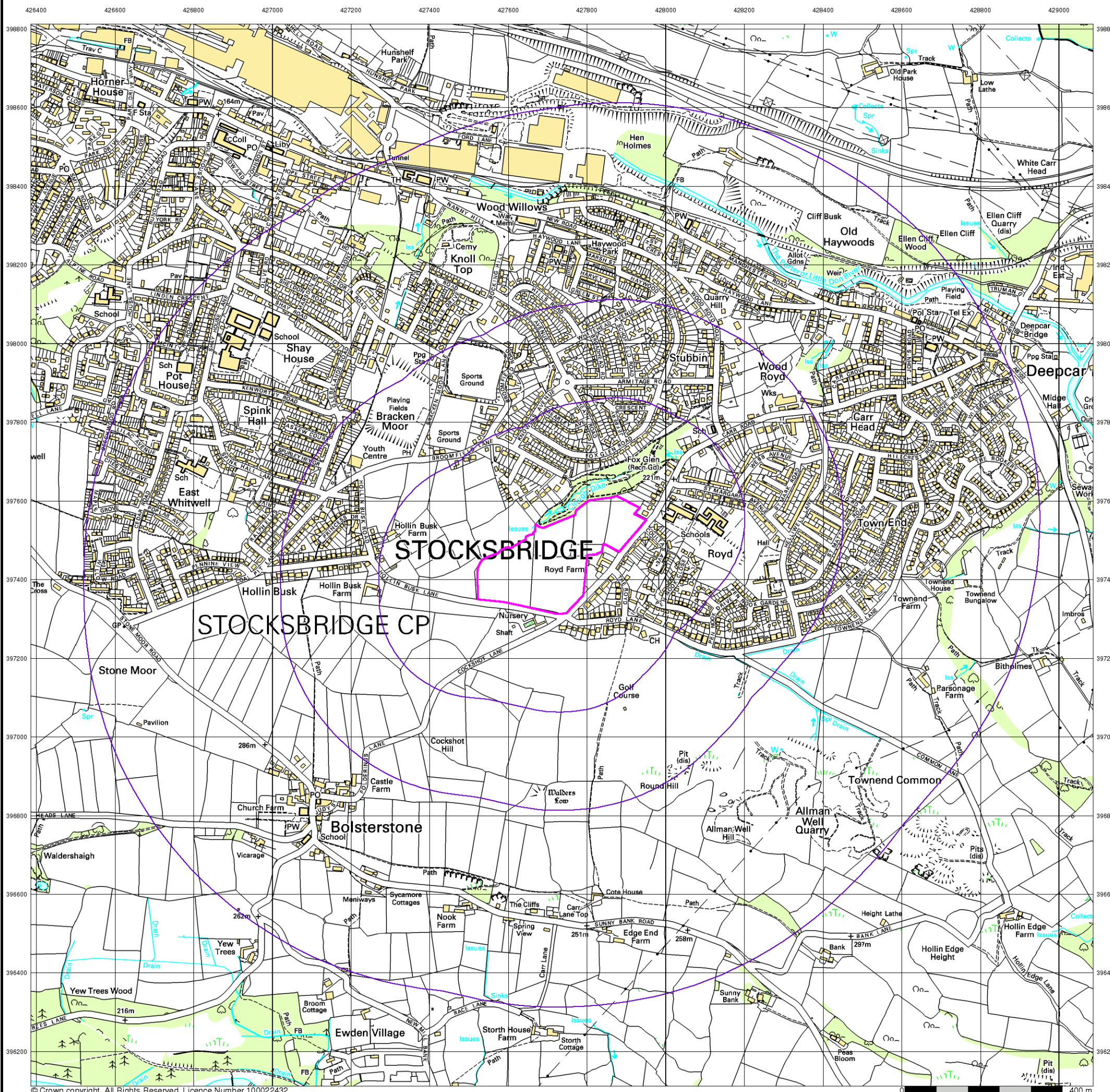
Order Number: 87409751_1_1
Customer Ref: HLT/09
National Grid Reference: 427730, 397460
Slice: A
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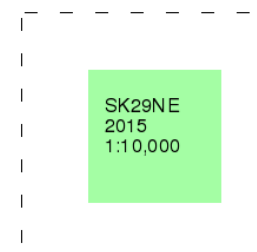
Street View

Published 2015

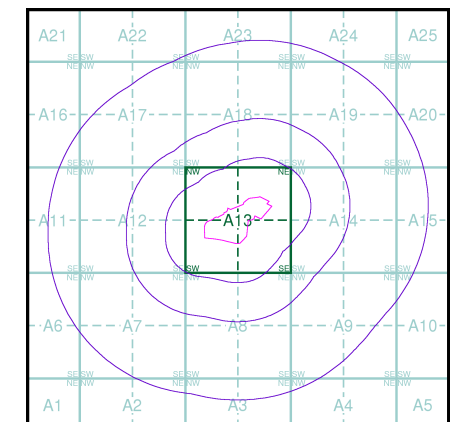
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Street View Map - Slice A



Order Details

Order Number: 87409751_1_1
Customer Ref: HLT/09
National Grid Reference: 427730, 397460
Slice: A
Site Area (Ha): 6.59
Search Buffer (m): 1000

Site Details

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

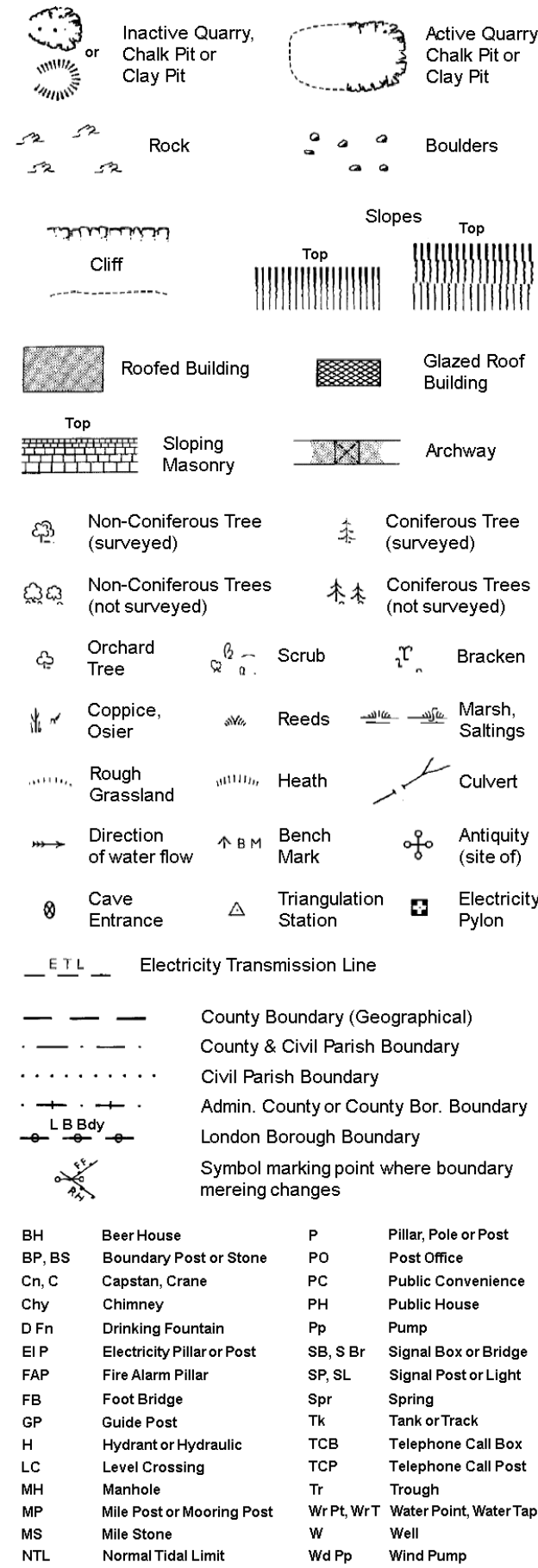


Historical Mapping Legends

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



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



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

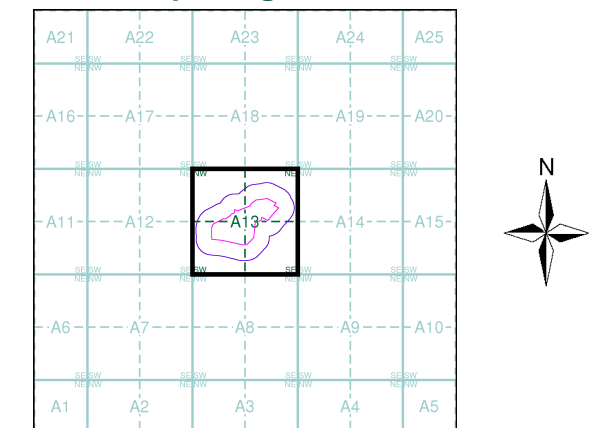


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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:2,500	1893	2
Yorkshire	1:2,500	1905	3
Yorkshire	1:2,500	1931	4
Ordnance Survey Plan	1:2,500	1959	5
Ordnance Survey Plan	1:2,500	1971	6
Additional SIMs	1:2,500	1978	7
Ordnance Survey Plan	1:2,500	1980	8
Ordnance Survey Plan	1:2,500	1982	9
Additional SIMs	1:2,500	1988	10
Large-Scale National Grid Data	1:2,500	1993	11
Large-Scale National Grid Data	1:2,500	1993	12
Large-Scale National Grid Data	1:2,500	1995	13
Large-Scale National Grid Data	1:2,500	1996	14

Historical Map - Segment A13



Order Details

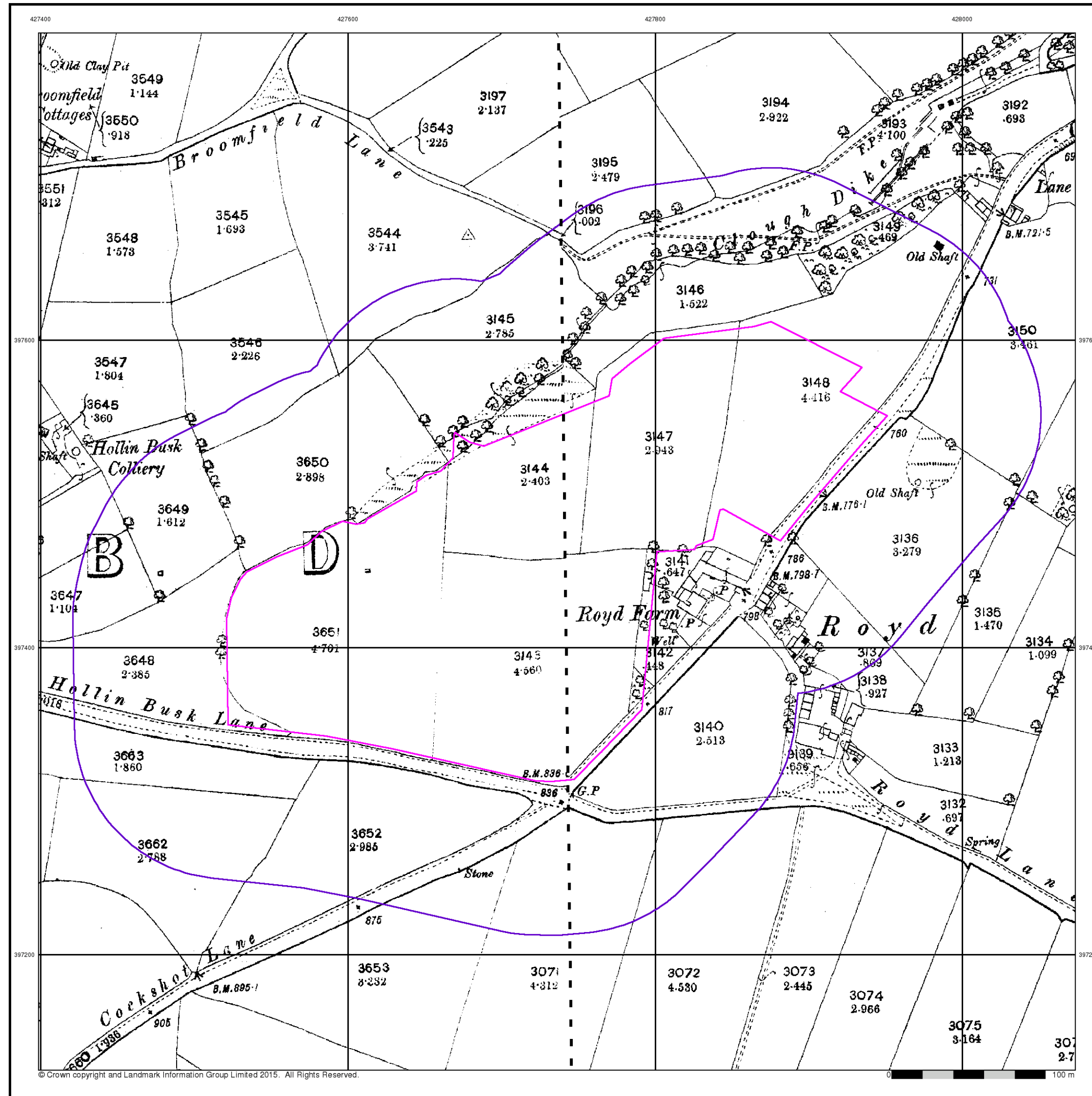
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National Grid Reference: 427730, 397460
Slice: A
Site Area (Ha): 6.59
Search Buffer (m): 100

Site Details

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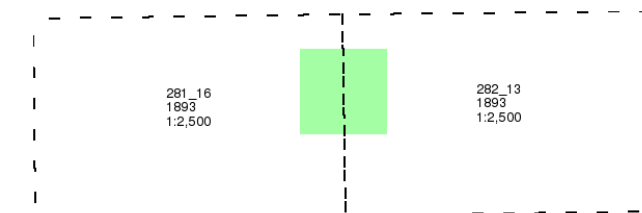
Yorkshire

Published 1893

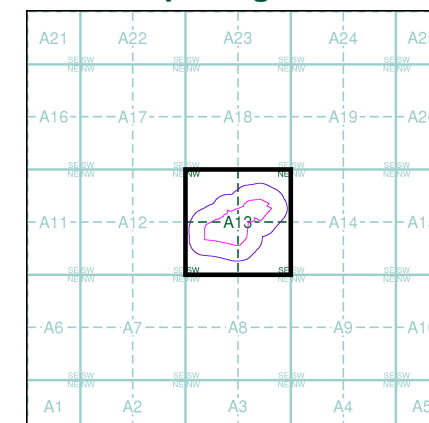
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

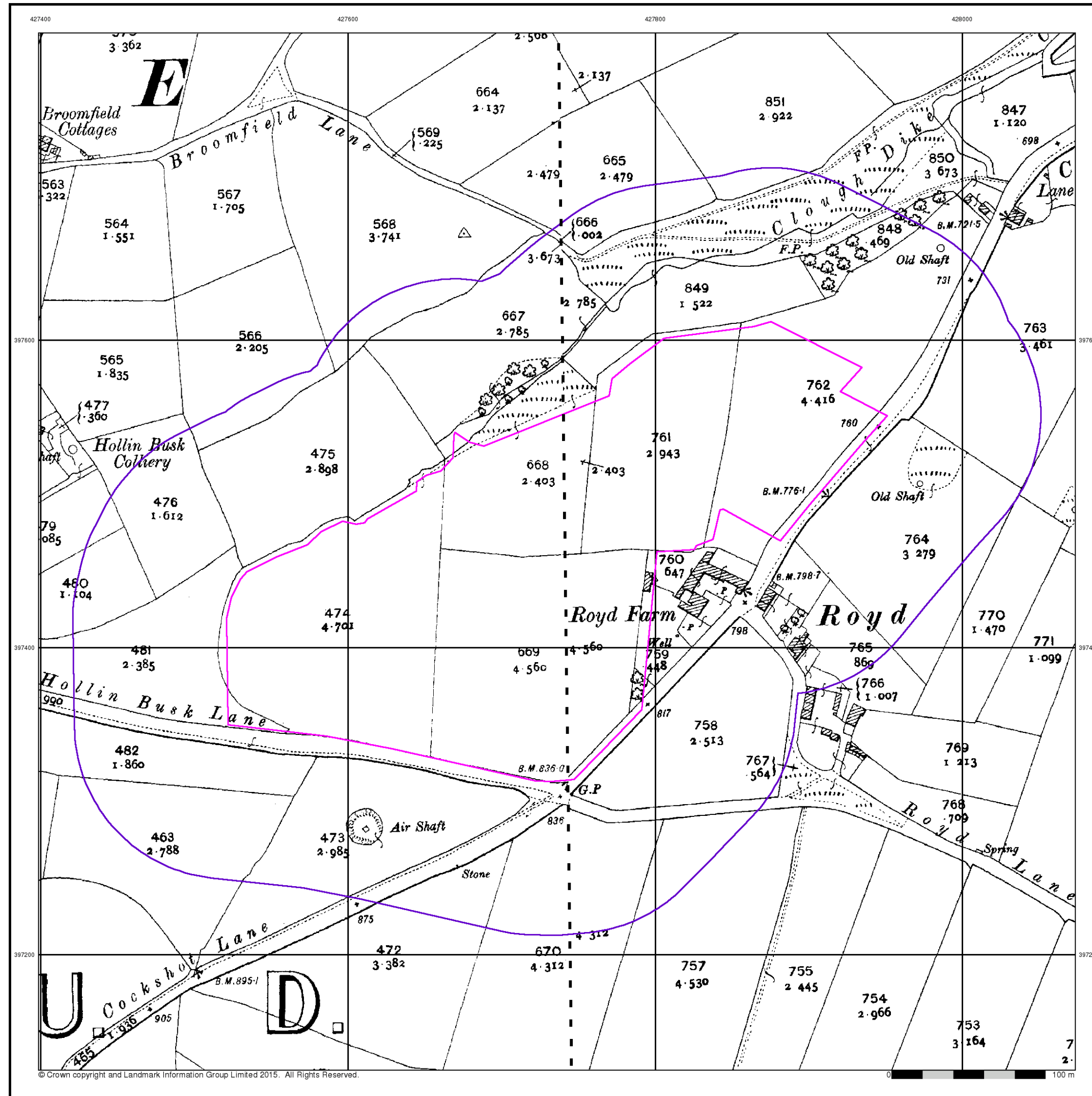
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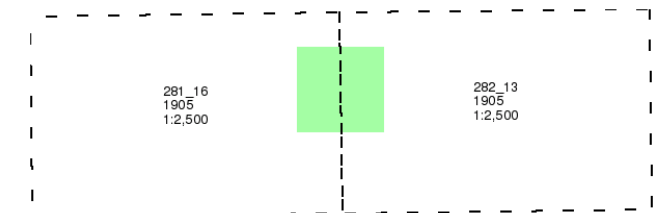
Yorkshire

Published 1905

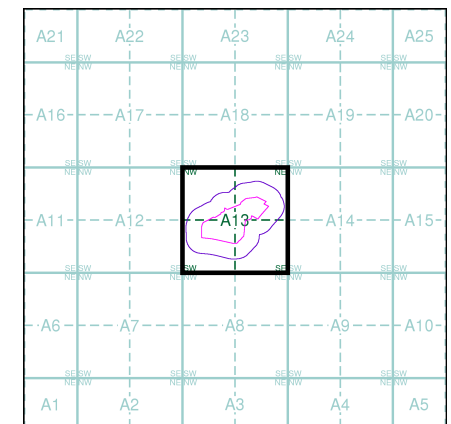
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

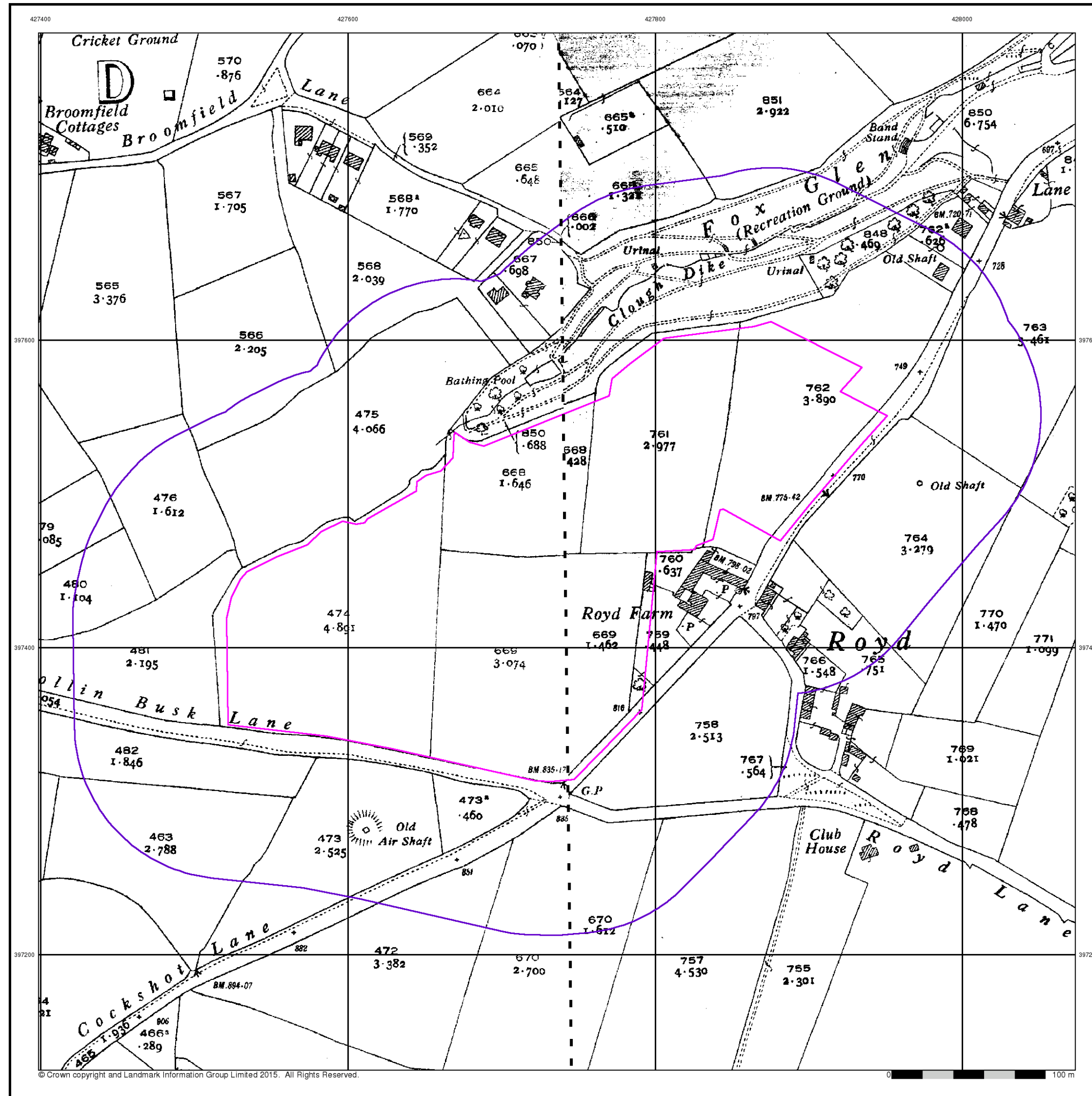
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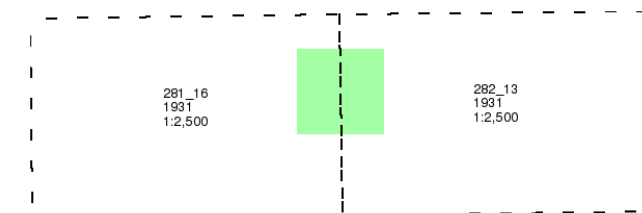
Yorkshire

Published 1931

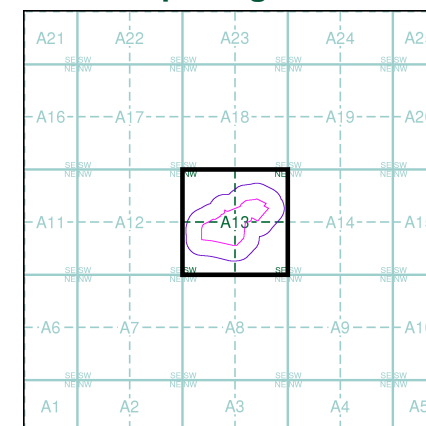
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

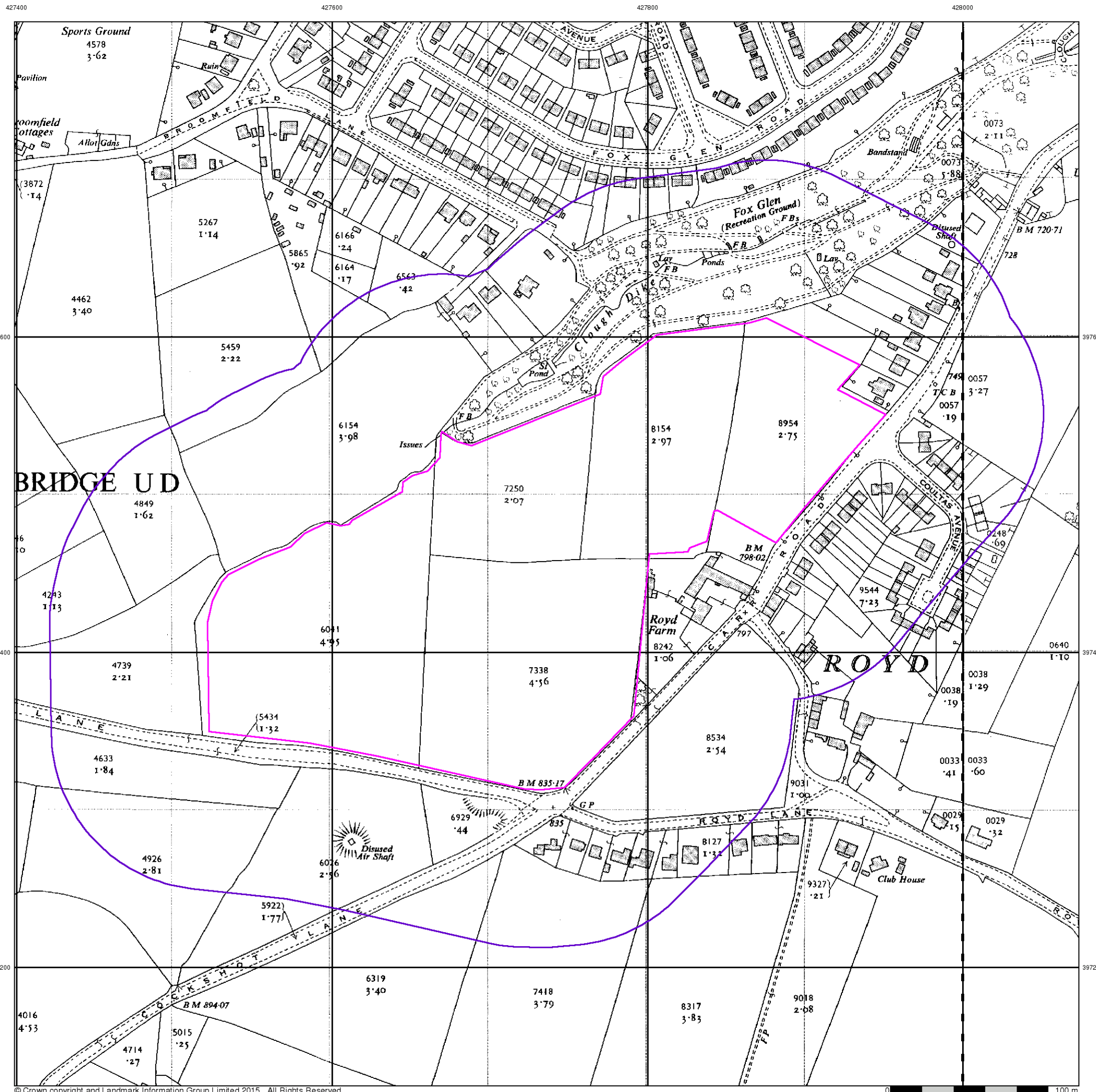
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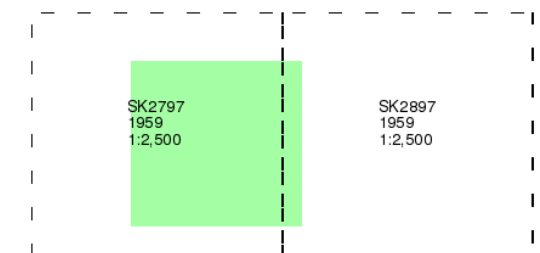
Ordnance Survey Plan

Published 1959

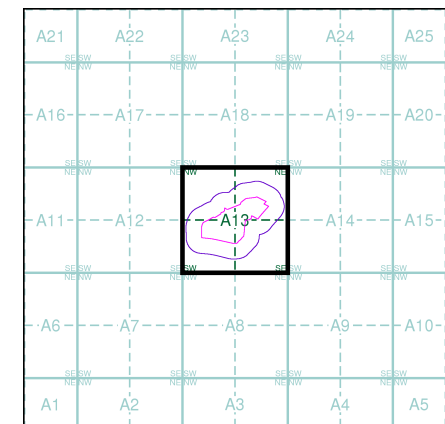
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

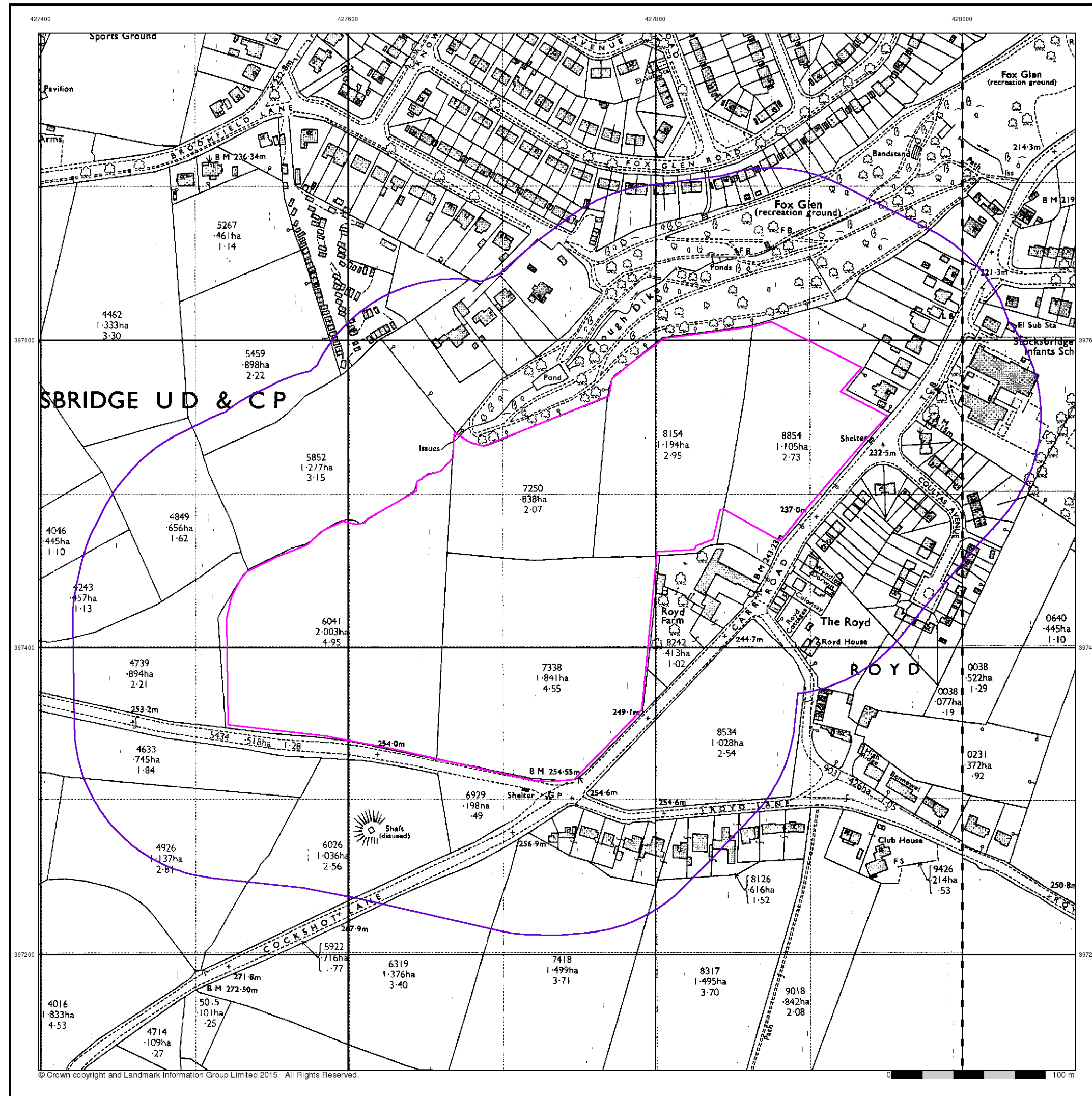
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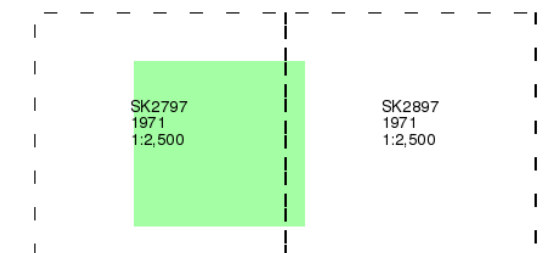
Ordnance Survey Plan

Published 1971

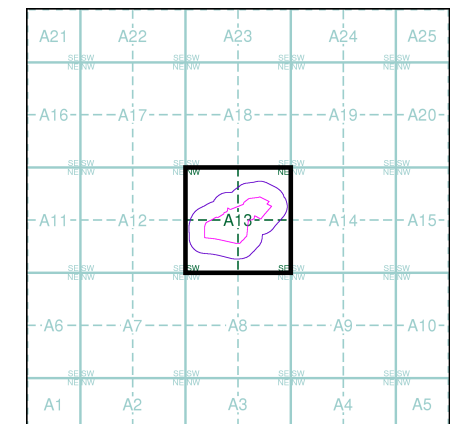
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

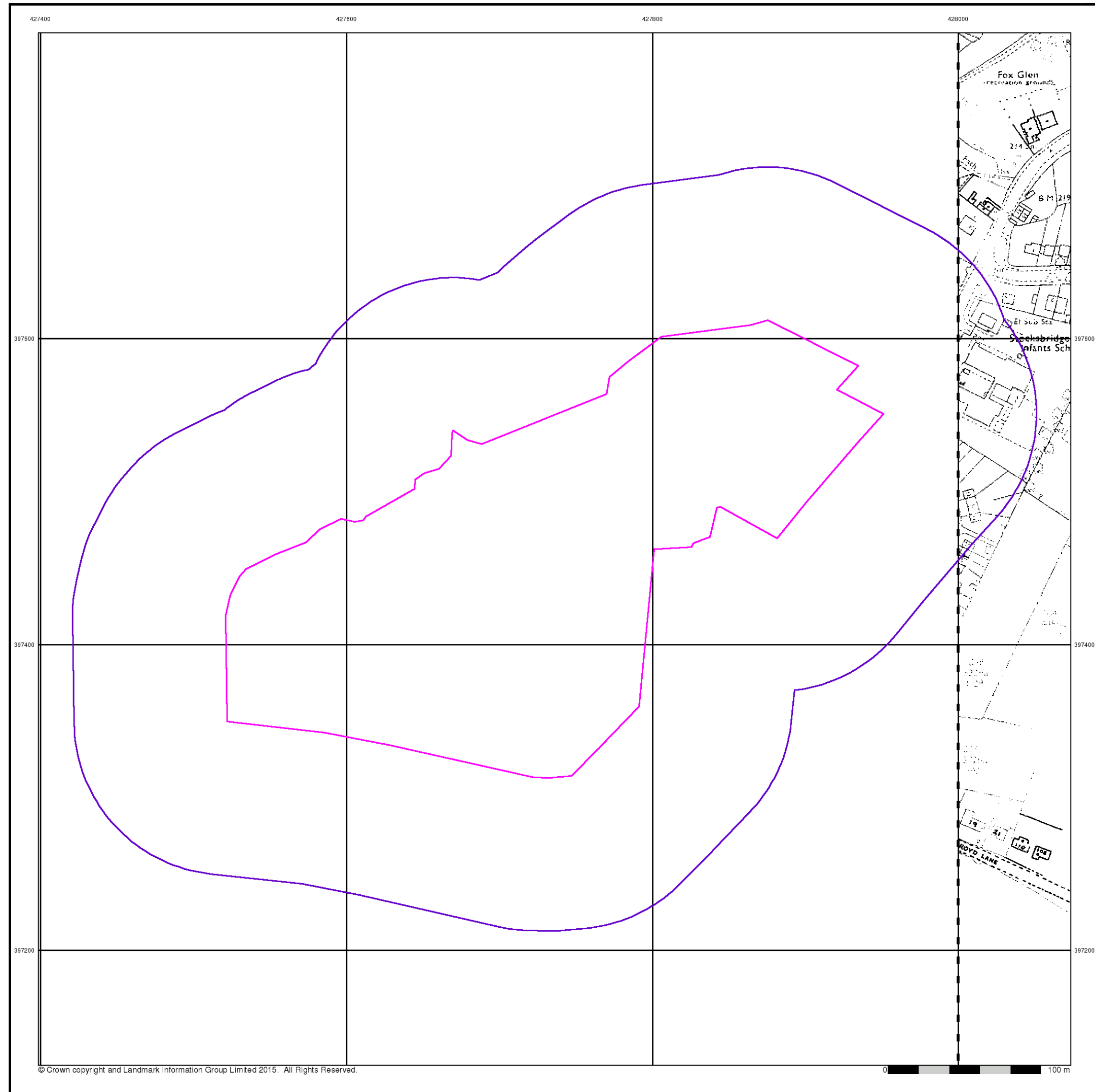
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National Grid Reference: 427730, 397460
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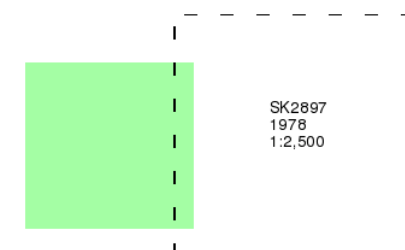
Additional SIMs

Published 1978

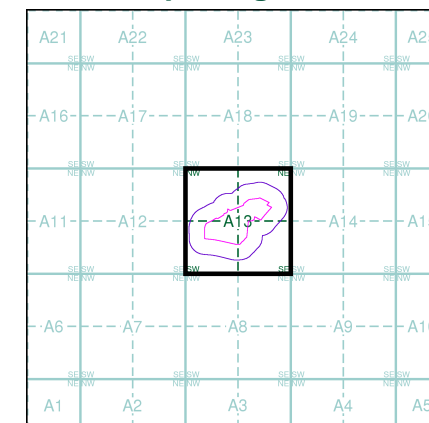
Source map scale - 1:2,500

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

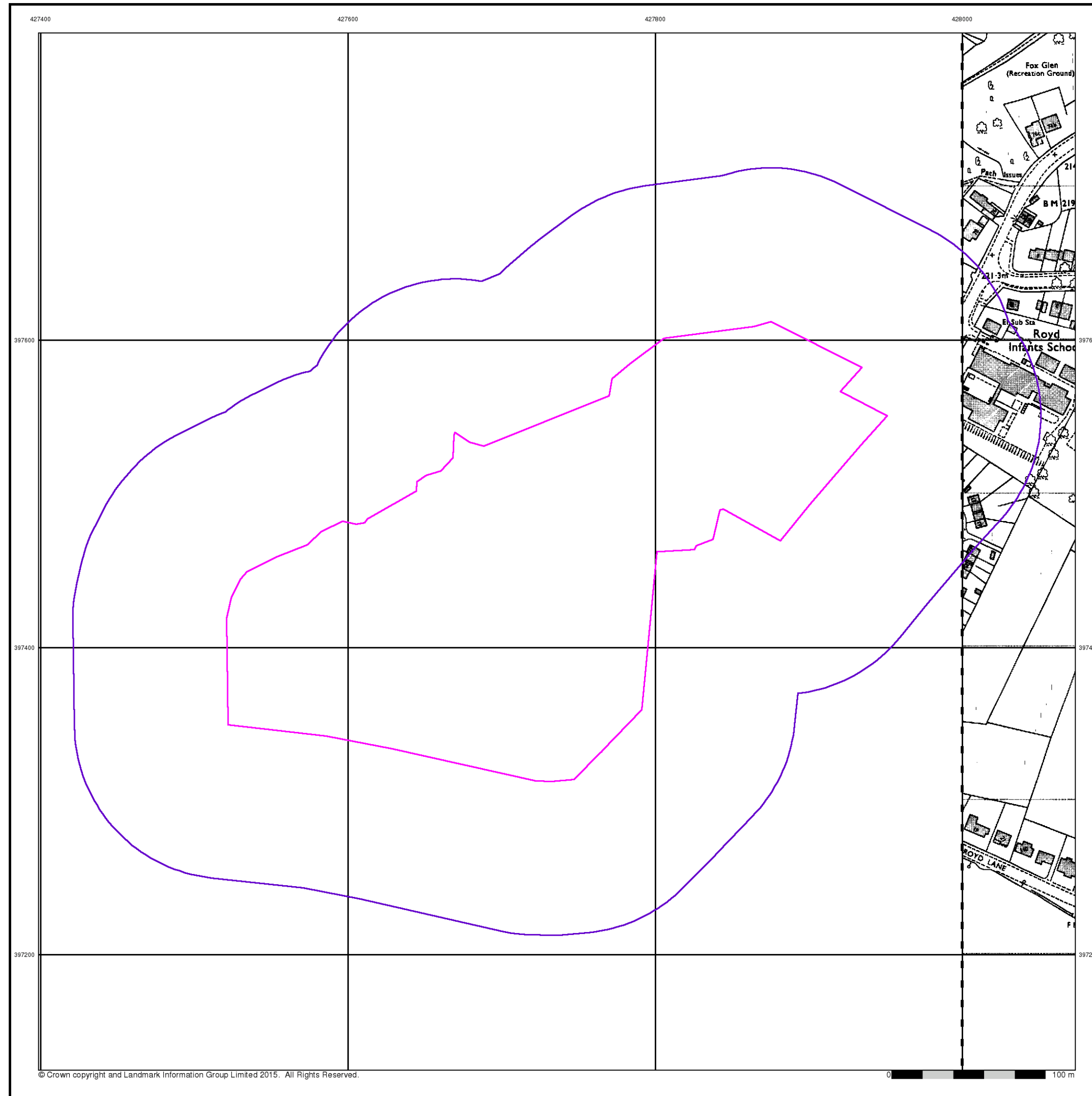
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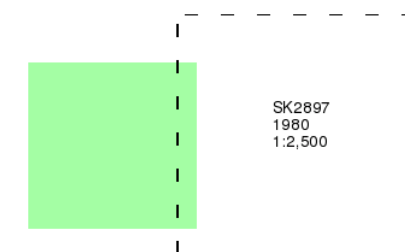
Ordnance Survey Plan

Published 1980

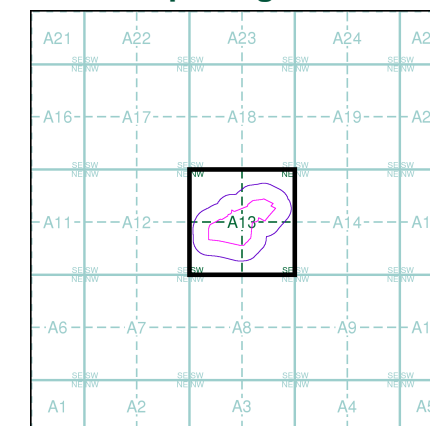
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered 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



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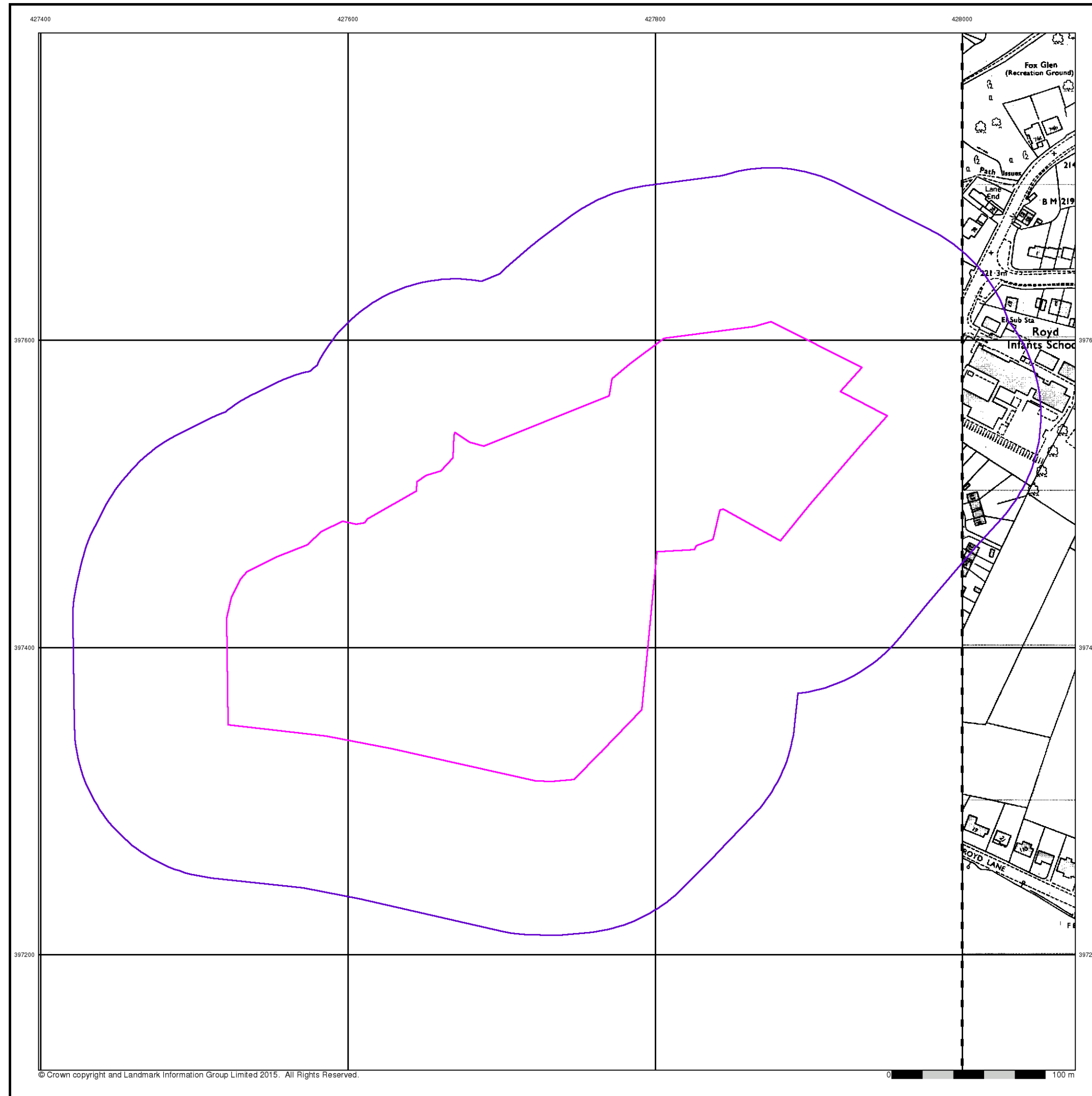
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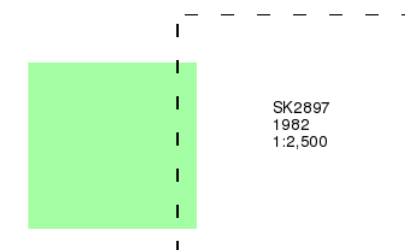
Ordnance Survey Plan

Published 1982

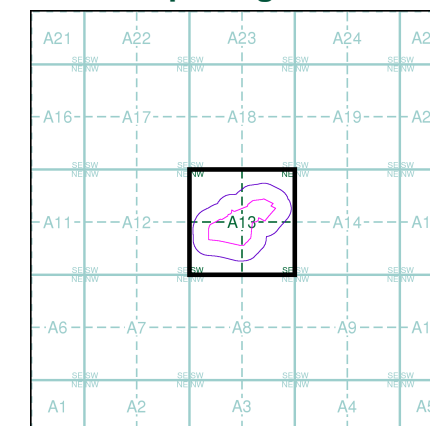
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Historical Map - Segment A13



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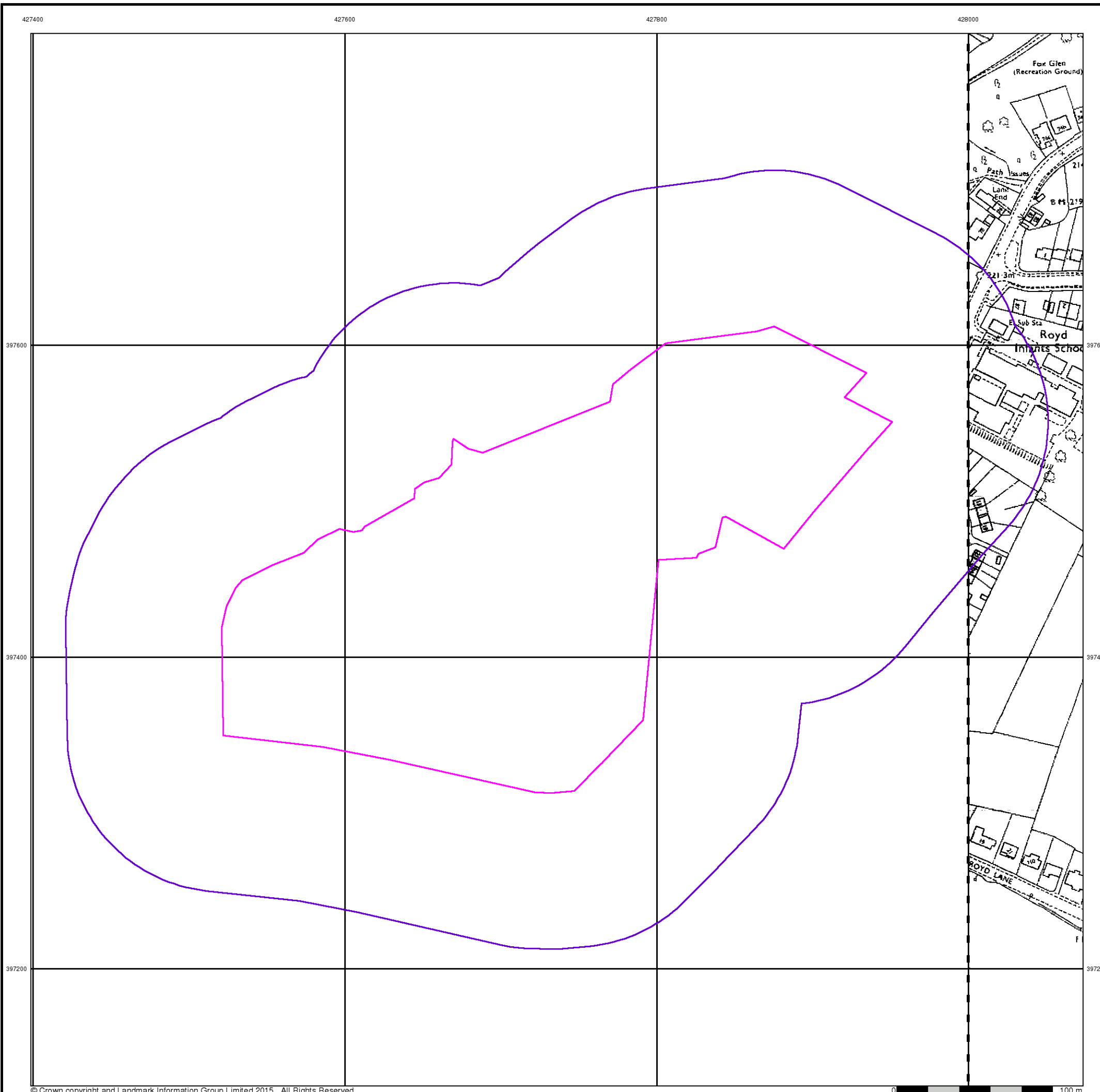
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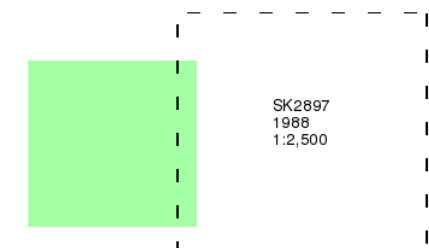
Additional SIMs

Published 1988

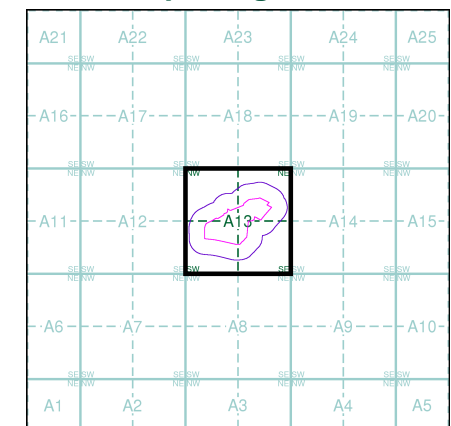
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

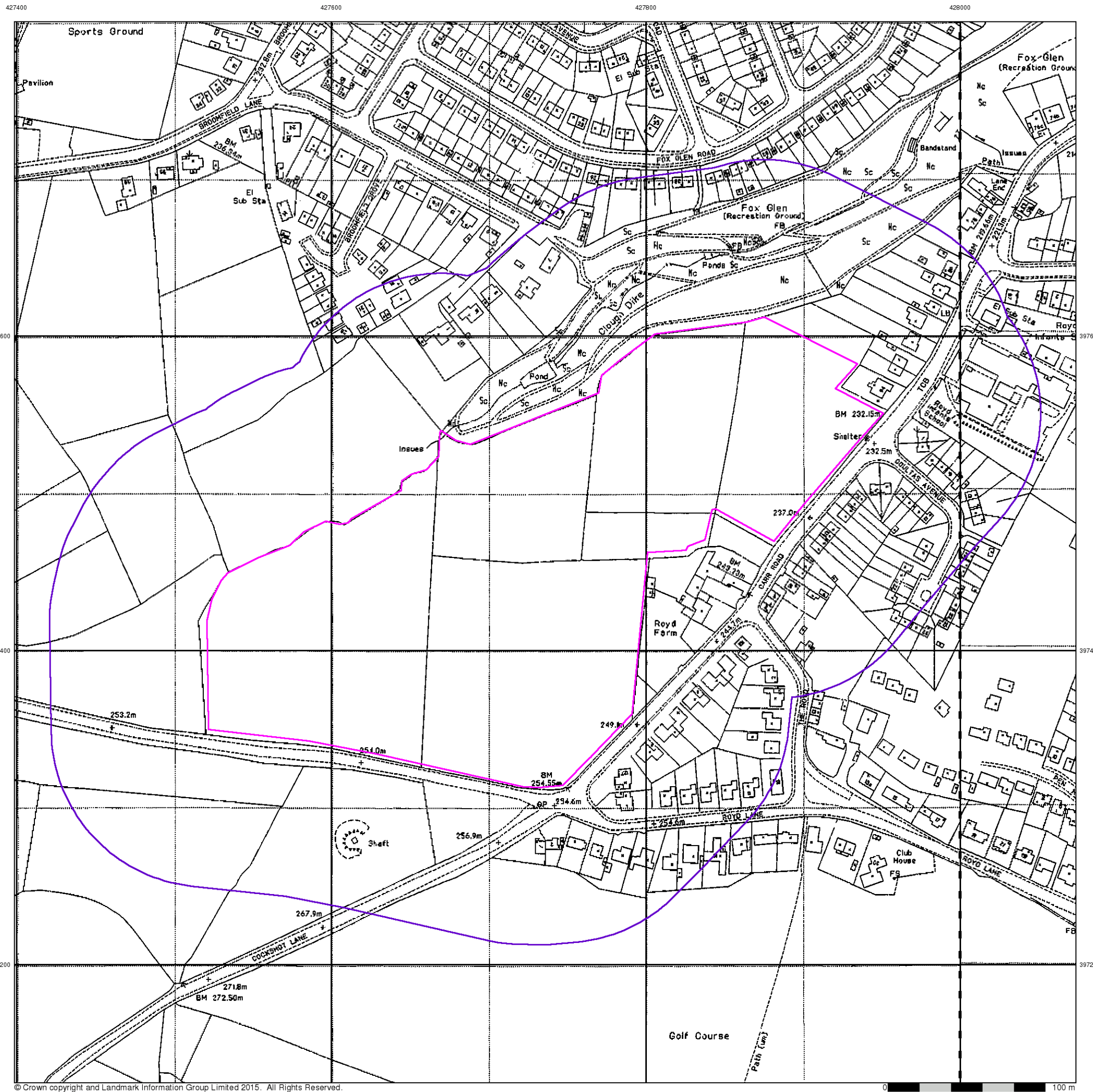
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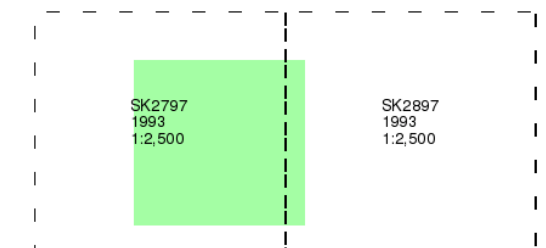
Large-Scale National Grid Data

Published 1993

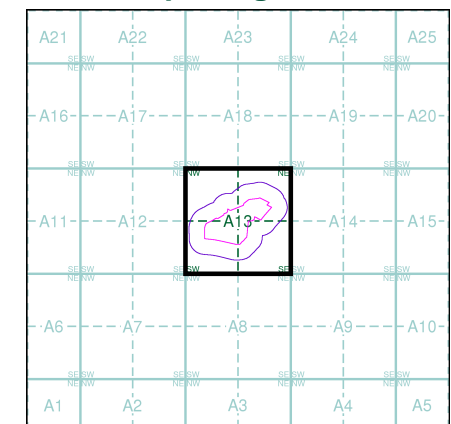
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

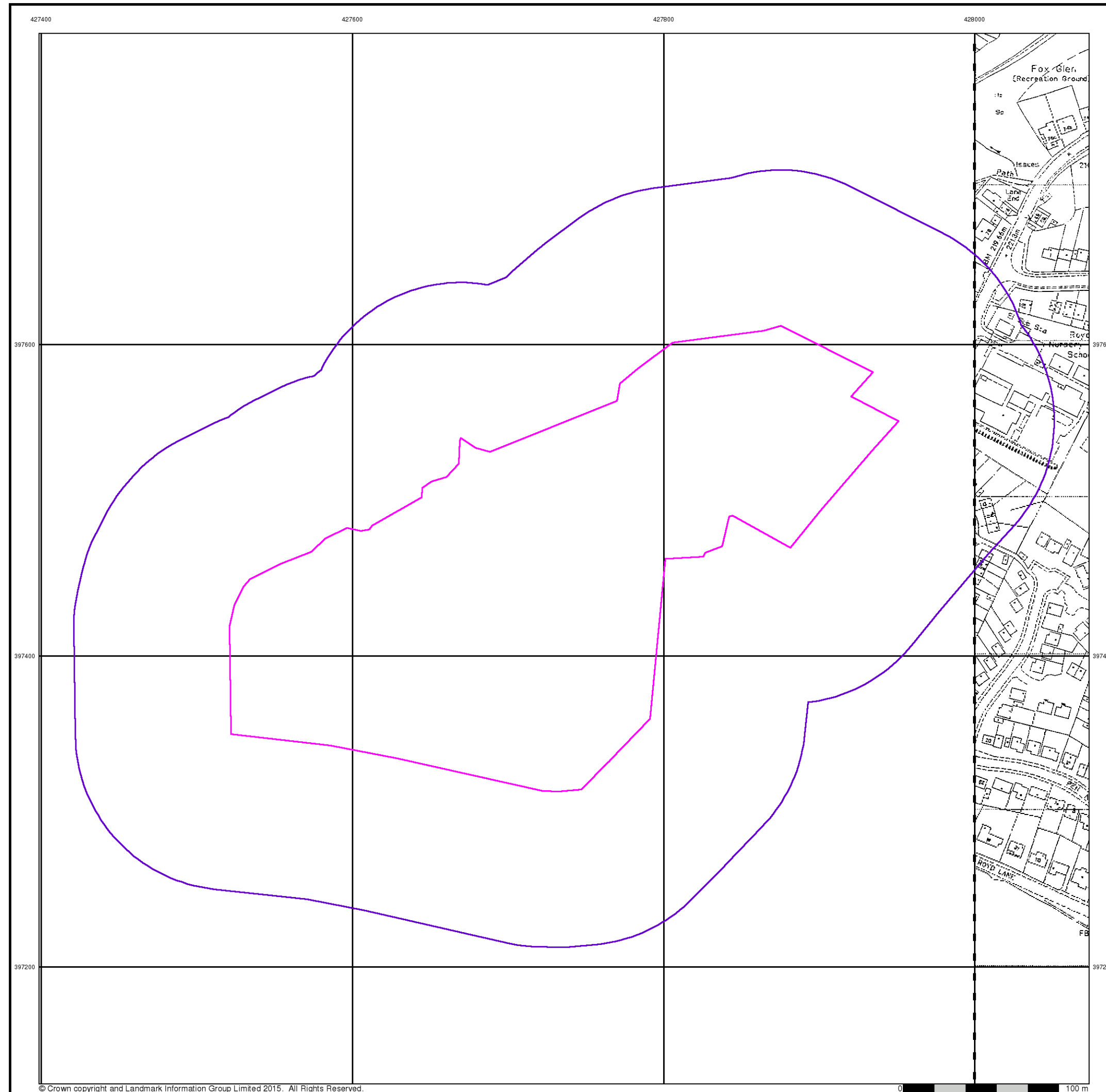
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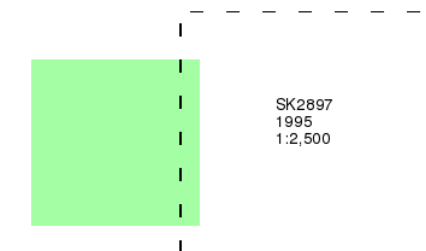
Large-Scale National Grid Data

Published 1995

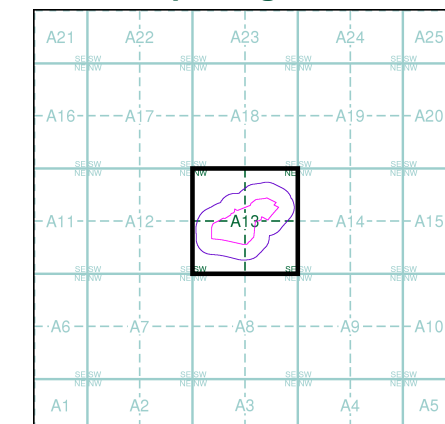
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'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information 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



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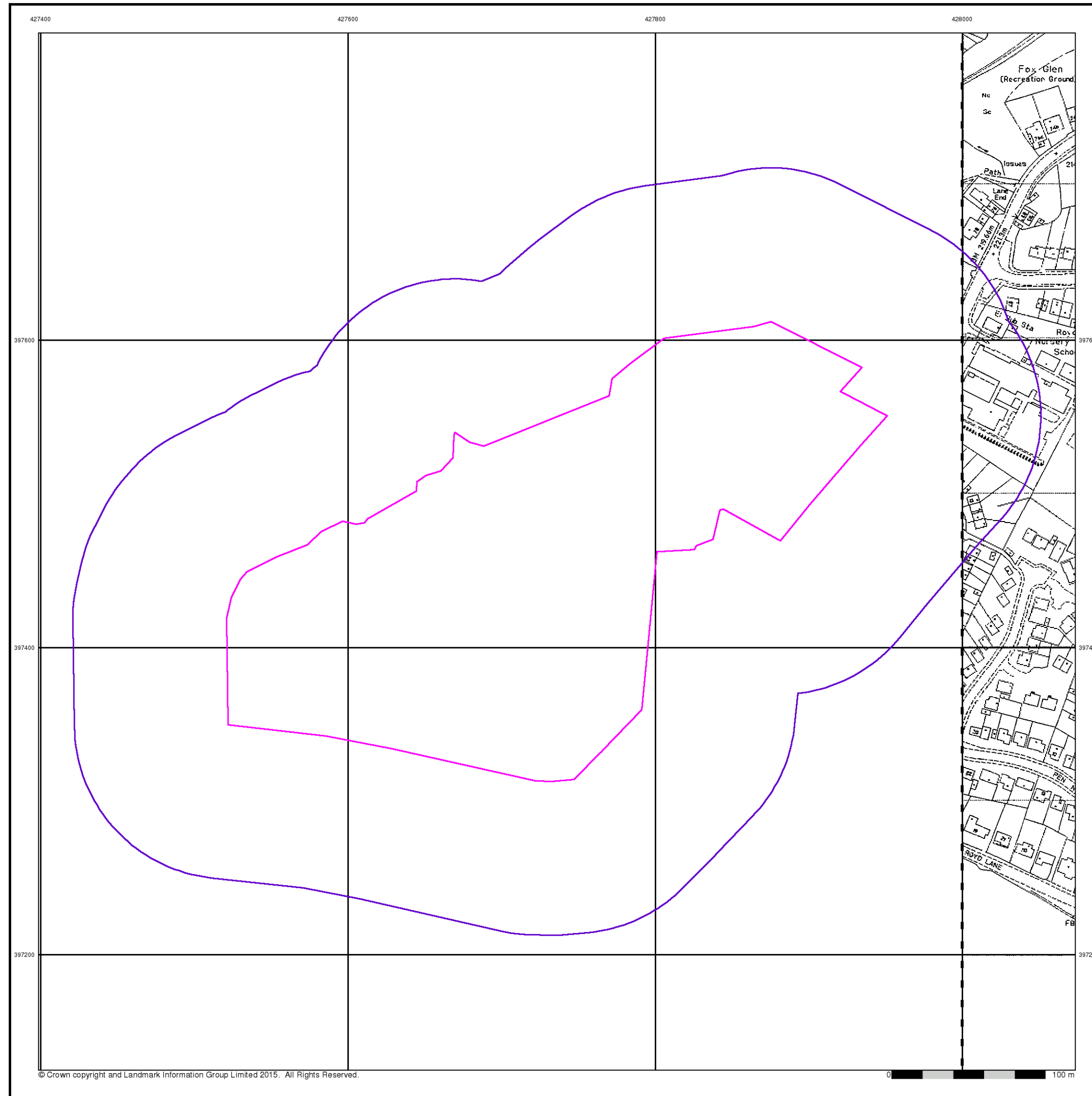
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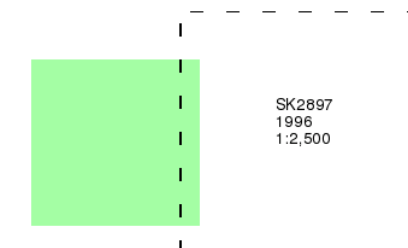
Large-Scale National Grid Data

Published 1996

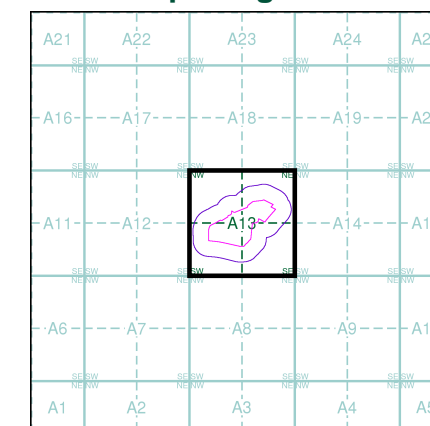
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'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information 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.

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APPENDIX C

LANDMARK GEOLOGY MAPS

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WMGR	Infilled Ground	Artificial Deposit	Cenozoic - Cenozoic
	MGR	Made Ground (Undivided)	Artificial Deposit	Holocene - Holocene
	WGR	Worked Ground (Undivided)	Void	Holocene - Holocene
	SLIP	Landslide Deposit	Unknown/Unclassified Entry	Quaternary - Quaternary

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	SUPNM	Superficial Theme Not Mapped [For Digital Map Use Only]	Unknown/Unclassified Entry	Not Supplied - Not Supplied
	ALV	Alluvium	Clay and Silt	Flandrian - Flandrian
	HEAD	Head	Diamicton	Quaternary - Quaternary
	RTD1	River Terrace Deposits, 1	Sand and Gravel	Quaternary - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	PLCM	Pennine Lower Coal Measures Formation	Mudstone, Siltstone and Sandstone	Langsettian - Langsettian
	PLCM	Pennine Lower Coal Measures Formation	Sandstone	Langsettian - Langsettian
	MBR	Middle Band Rock	Sandstone	Langsettian - Langsettian
	LER	Loxley Edge Rock	Sandstone	Langsettian - Langsettian
	CRS	Crawshaw Sandstone	Sandstone	Langsettian - Langsettian
	WHR	Whamcliff Rock	Sandstone	Langsettian - Langsettian
	GM	Greenmoor Rock	Sandstone	Langsettian - Langsettian
	GR	Grenoside Sandstone	Sandstone	Langsettian - Langsettian
	RR	Rough Rock	Sandstone	Yeadonian - Yeadonian

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MGCY	Unnamed Sandstone of Yeadonian Age (In Millstone Grit Group)	Sandstone	Yeadonian - Yeadonian
	ROSSE	Rossendale Formation	Mudstone and Siltstone	Yeadonian - Yeadonian
	MGCZ	Unnamed Sandstone of Marsdenian Age (In Millstone Grit Group)	Sandstone	Marsdenian - Marsdenian
	HDW	Huddersfield White Rock	Sandstone	Marsdenian - Marsdenian
	GSYG	Guiseley Grit	Sandstone	Marsdenian - Marsdenian
	MARSD	Marsden Formation	Sandstone	Marsdenian - Marsdenian
	MARSD	Marsden Formation	Mudstone and Siltstone	Marsdenian - Marsdenian
	MG	Millstone Grit Group [See also Migr]	Mudstone and Siltstone	Namurian - Namurian
		Rock Segments		
		Faults		



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Geology 1:50,000 Maps

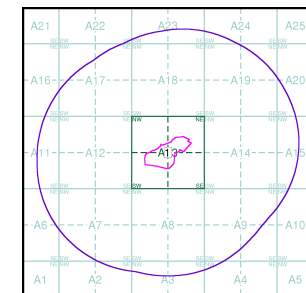
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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

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

Geology 1:50,000 Maps Coverage

Map ID: 1
Map Sheet No: 087
Map Name: Barnsley
Map Date: 2008
Bedrock Geology: Available
Superficial Geology: Available
Artificial Geology: Not Available
Faults: Not Supplied
Landslip: Available
Rock Segments: Not Supplied

Geology 1:50,000 Maps - Slice A



Order Details:

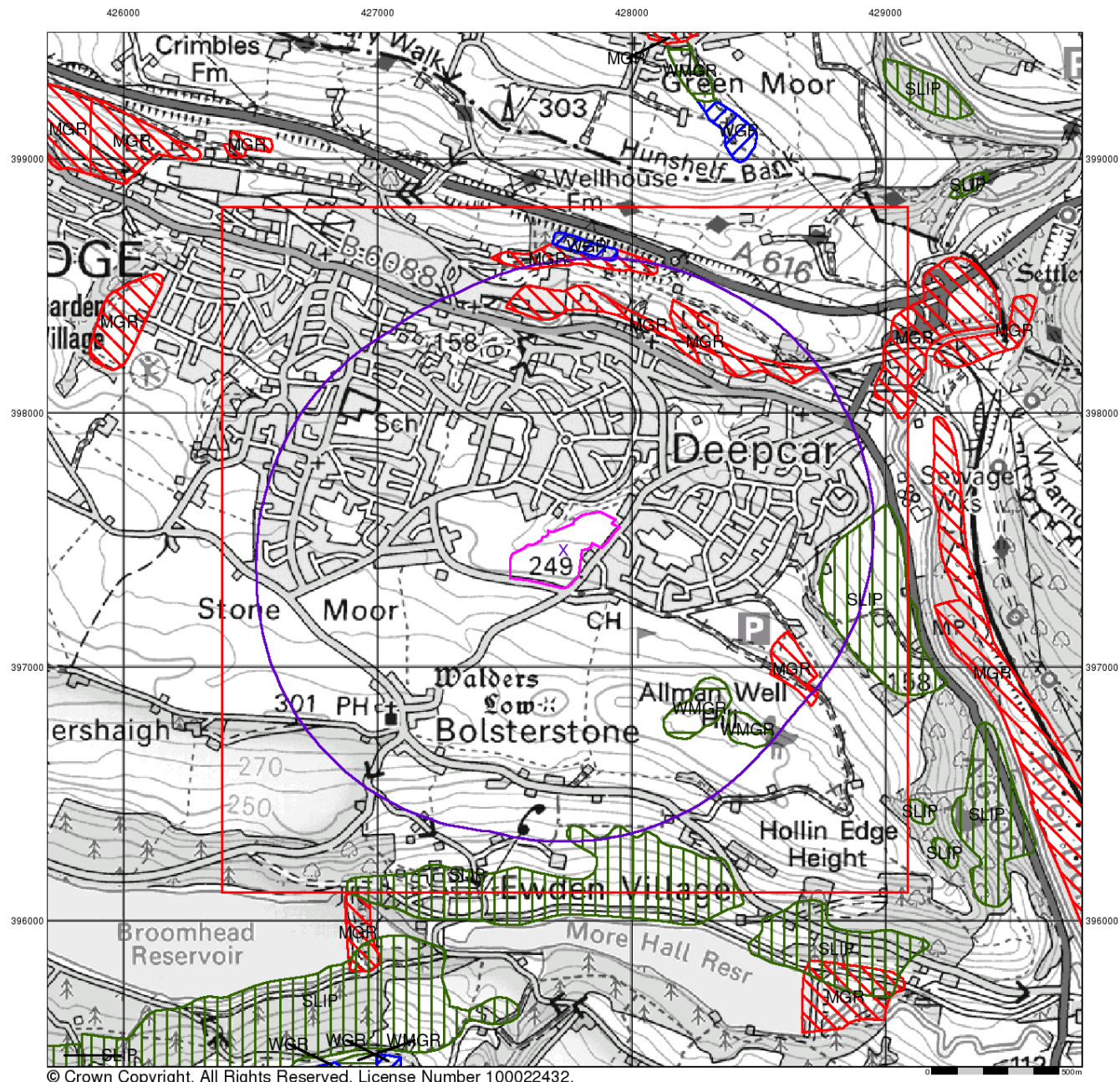
Order Number: 87409751_1_1
Customer Reference: HLT/09
National Grid Reference: 427730, 397460
Slice: A
Site Area (Ha): 6.59
Search Buffer (m): 1000

Site Details:

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Artificial Ground and Landslip

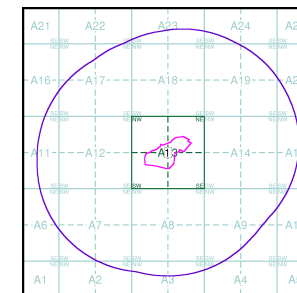
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



Order Details:

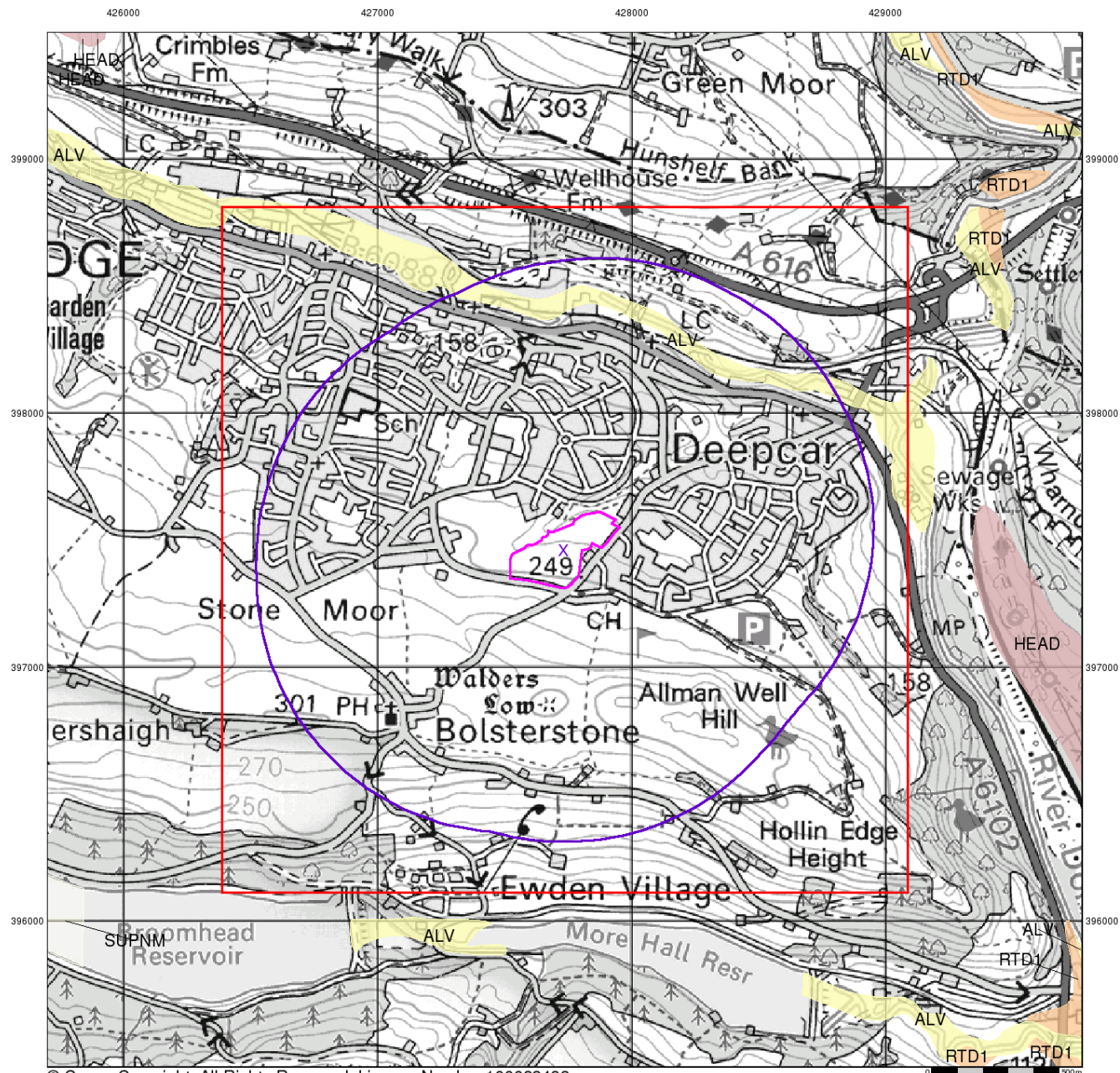
Order Number: 87409751_1_1
Customer Reference: HLT/09
National Grid Reference: 427730, 397460
Slice: A
Site Area (Ha): 6.59
Search Buffer (m): 1000

Site Details:

Carr Road, Deepcar, SHEFFIELD



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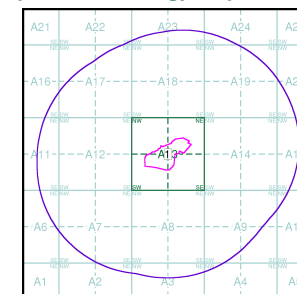
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



Order Details:

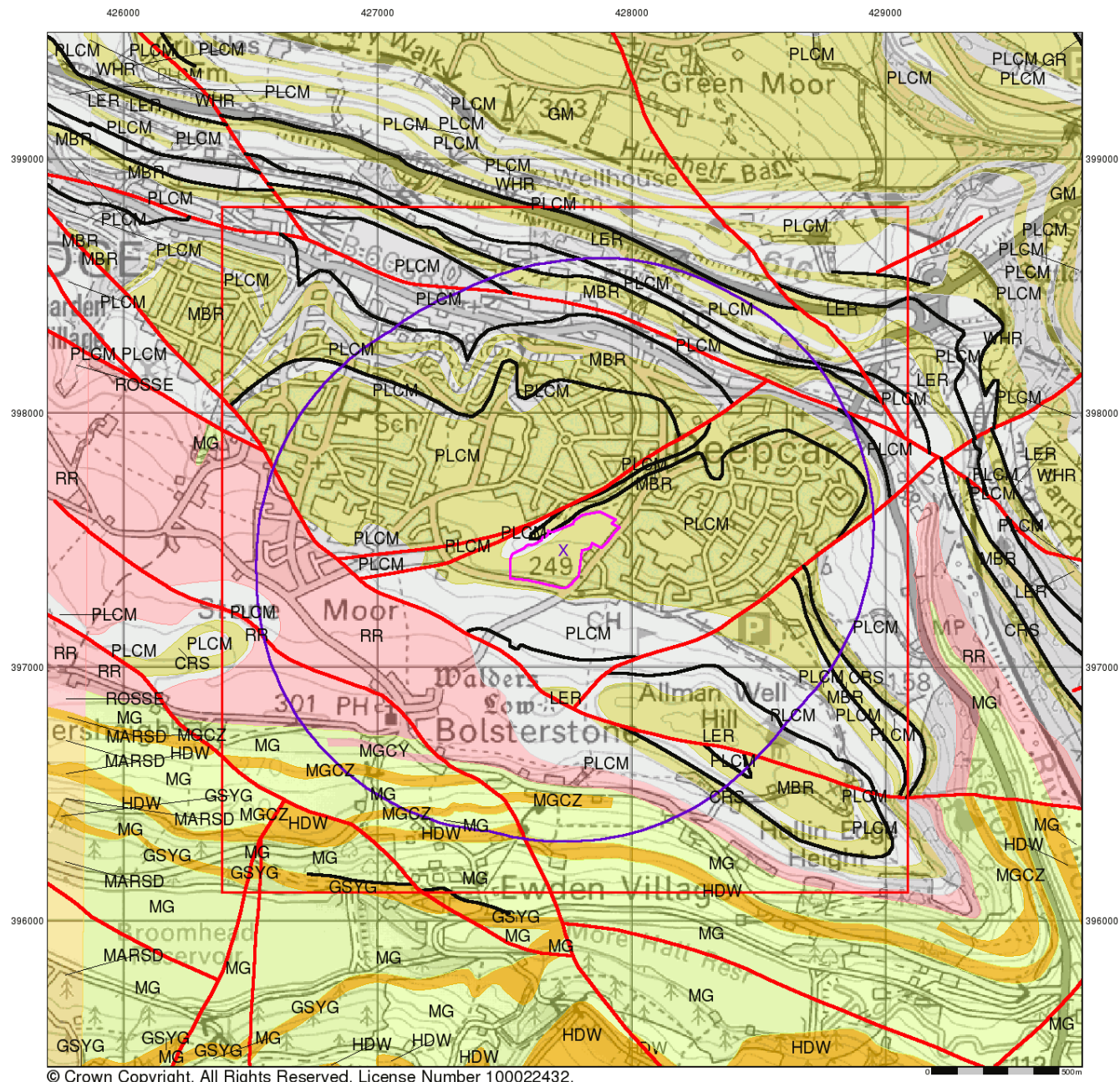
Order Number: 87409751_1_1
Customer Reference: HLT/09
National Grid Reference: 427730, 397460
Slice: A
Site Area (Ha): 6.59
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Bedrock and Faults

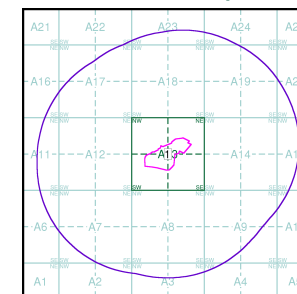
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



Order Details:

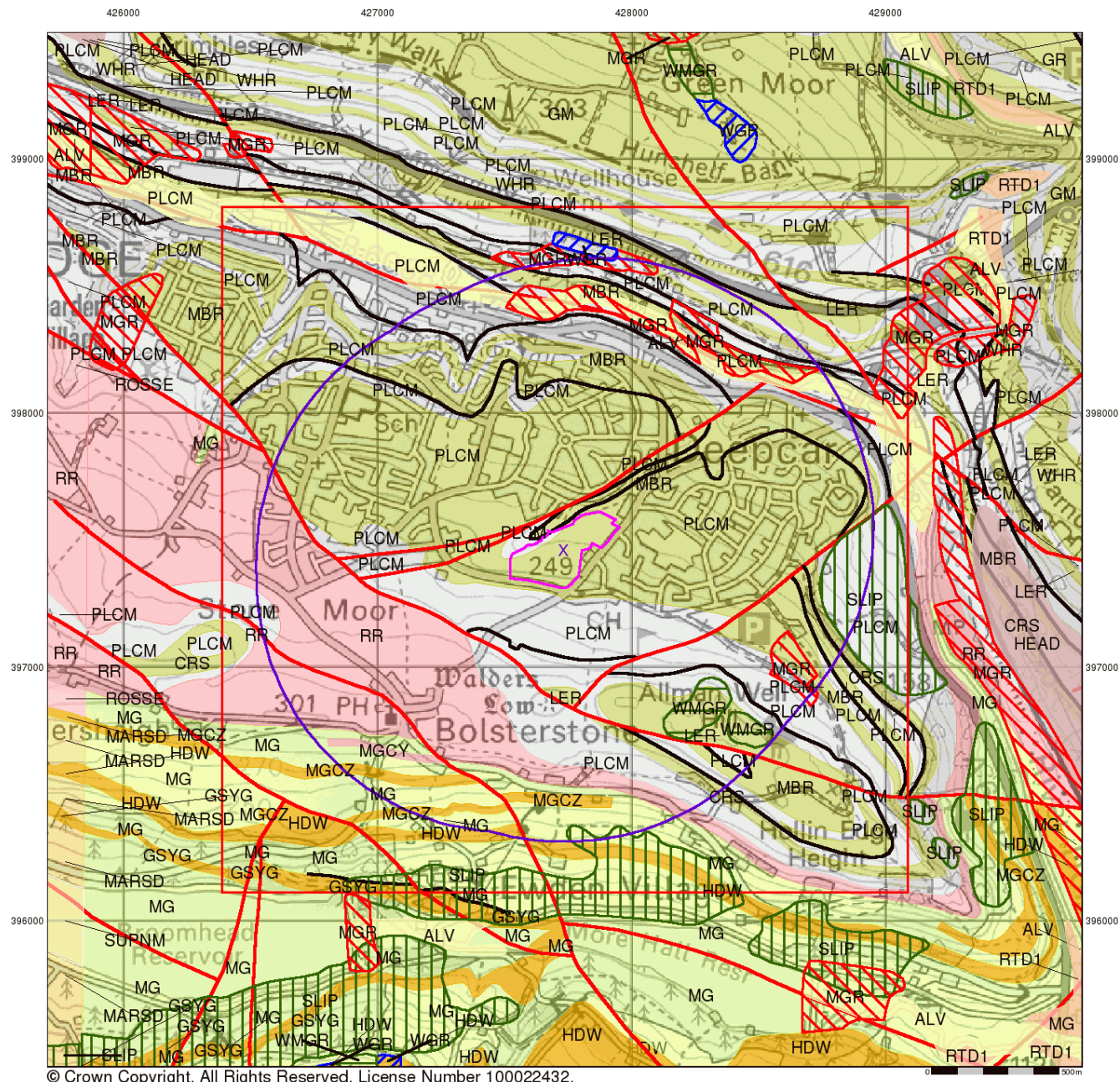
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Customer Reference: HLT/09
National Grid Reference: 427730, 397460
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Combined Surface Geology

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

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

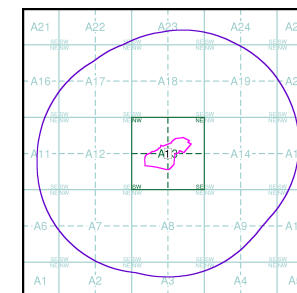
Additional Information

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

Contact

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

Combined Geology Map - Slice A



Order Details:

Order Number: 87409751_1_1
Customer Reference: HLT/09
National Grid Reference: 427730, 397460
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A P P E N D I X D

COAL MINING REPORT



The Coal
Authority

Resolving the **impacts** of mining

CON29M Non-Residential Mining Report

CARR ROAD
DEEPCAR
SHEFFIELD
SOUTH YORKSHIRE

Date of enquiry: 24 May 2016
Date enquiry received: 24 May 2016
Issue date: 24 May 2016

Our reference: 51001167495001
Your reference: 87409751_2|



CON29M Non-Residential Mining Report

This report is based on, and limited to, the records held by the Coal Authority and the Cheshire Brine Subsidence Compensation Board's records, at the time we answer the search.

Client name

LANDMARK INFORMATION GROUP LIMITED

Enquiry address




CARR ROAD, DEEPCAR, SHEFFIELD, SOUTH
YORKSHIRE

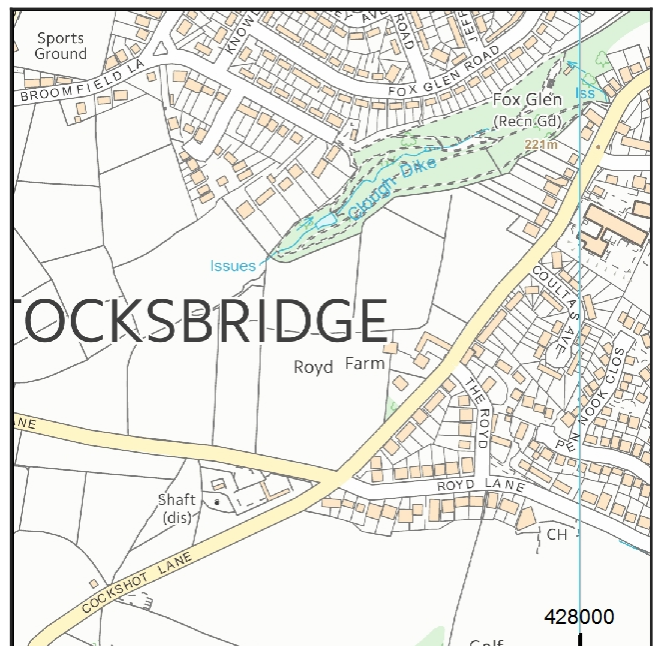
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200 Lichfield Lane
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Nottinghamshire
NG18 4RG

www.gov.uk/coalauthority

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 /thecoalauthority
 /coalauthority



Approximate position of property



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Summary

Has the search report highlighted evidence or potential of		
1	Past underground coal mining	Yes
2	Present underground coal mining	No
3	Future underground coal mining	Yes
4	Mine entries	Yes
5	Coal mining geology	No
6	Past opencast coal mining	No
7	Present opencast coal mining	No
8	Future opencast coal mining	No
9	Coal mining subsidence	No
10	Mine gas	No
11	Hazards related to coal mining	No
12	Withdrawal of support	No
13	Working facilities order	No
14	Payments to owners of former copyhold land	No
15	Information from the Cheshire Brine Subsidence Compensation Board	No

For detailed findings, please go to page 4.

Detailed findings

1. Past underground coal mining

The property is in a surface area that could be affected by underground mining in 1 seam of coal at shallow to 30m depth, and last worked in 1934.

The property is in a surface area that could be affected by underground mining in 1 seam of fireclay at 70m depth, and last worked in 1940.

2. Present underground coal mining

The property is not within a surface area that could be affected by present underground mining.

3. Future underground coal mining

The property is not in an area where the Coal Authority has plans to grant a licence to remove coal using underground methods.

The property is not in an area where a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area likely to be affected from any planned future underground coal mining.

However, reserves of coal exist in the local area which could be worked at some time in the future.

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

4. Mine entries

There are no known coal mine entries within, or within 20 metres of, the boundary of the property.

There may however be mine entries/additional mine entries in the local area which the Coal Authority has no knowledge of.

5. Coal mining geology

The Coal Authority is not aware of any damage due to geological faults or other lines of weakness that have been affected by coal mining.

6. Past opencast coal mining

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

7. Present opencast coal mining

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

8. Future opencast coal mining

There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

9. Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres, since 31st October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

10. Mine gas

The Coal Authority has no record of a mine gas emission requiring action.

11. Hazards related to coal mining

The property has not been subject to remedial works, by or on behalf of the Authority, under its Emergency Surface Hazard Call Out procedures.

12. Withdrawal of support

The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

13. Working facilities order

The property is not in an area where an order has been made, under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

14. Payments to owners of former copyhold land

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

15. Information from the Cheshire Brine Subsidence Compensation Board

The property lies outside the Cheshire Brine Compensation District.

Comments on the Coal Authority information

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In view of the mining circumstances a prudent developer would seek appropriate technical advice before any works are undertaken.

Therefore if development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply good engineering practice developed for mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or mines of coal without the permission of the Coal Authority. Developers should be aware that the investigation of coal seams/former mines of coal may have the potential to generate and/or displace underground gases and these risks both under and adjacent to the development should be fully considered in developing any proposals. The need for effective measures to prevent gases entering into public properties either during investigation or after development also needs to be assessed and properly addressed. This is necessary due to the public safety implications of any development in these circumstances.

Additional remarks

Information provided by the Coal Authority in this report is compiled in response to the Law Society's Con29M Coal Mining and Brine Subsidence Claim enquiries. The said enquiries are protected by copyright owned by the Law Society of 113 Chancery Lane, London WC2A 1PL. Please note that Brine Subsidence Claim enquiries are only relevant for England and Wales. This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority and Cheshire Brine Board's Terms and Conditions applicable at the time the report was produced.

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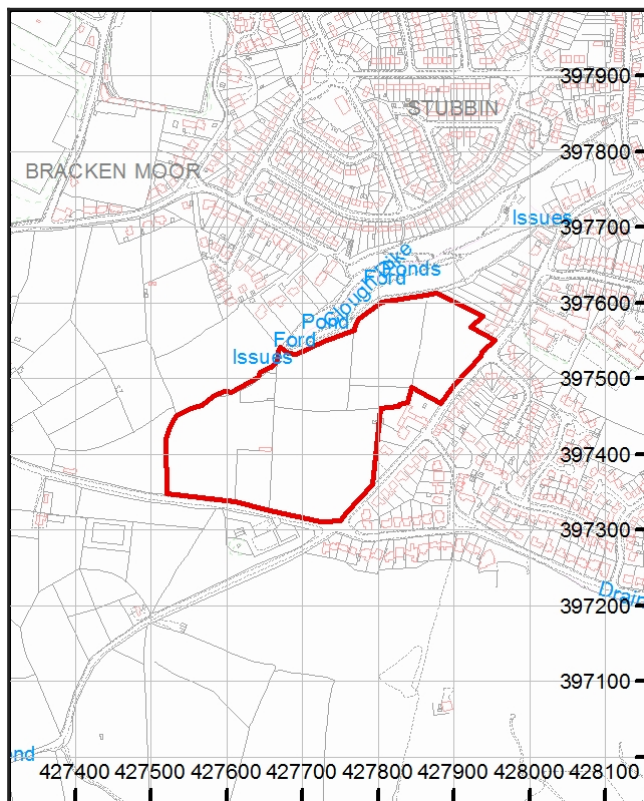
Alternative formats

If you would like this report in an alternative format, please contact our communications team.

Enquiry boundary

Key

Approximate position of enquiry boundary shown



How to contact us

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+44 (0)1623 637 000 (International)

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Mansfield
Nottinghamshire
NG18 4RG

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 /thecoalauthority

 /coalauthority

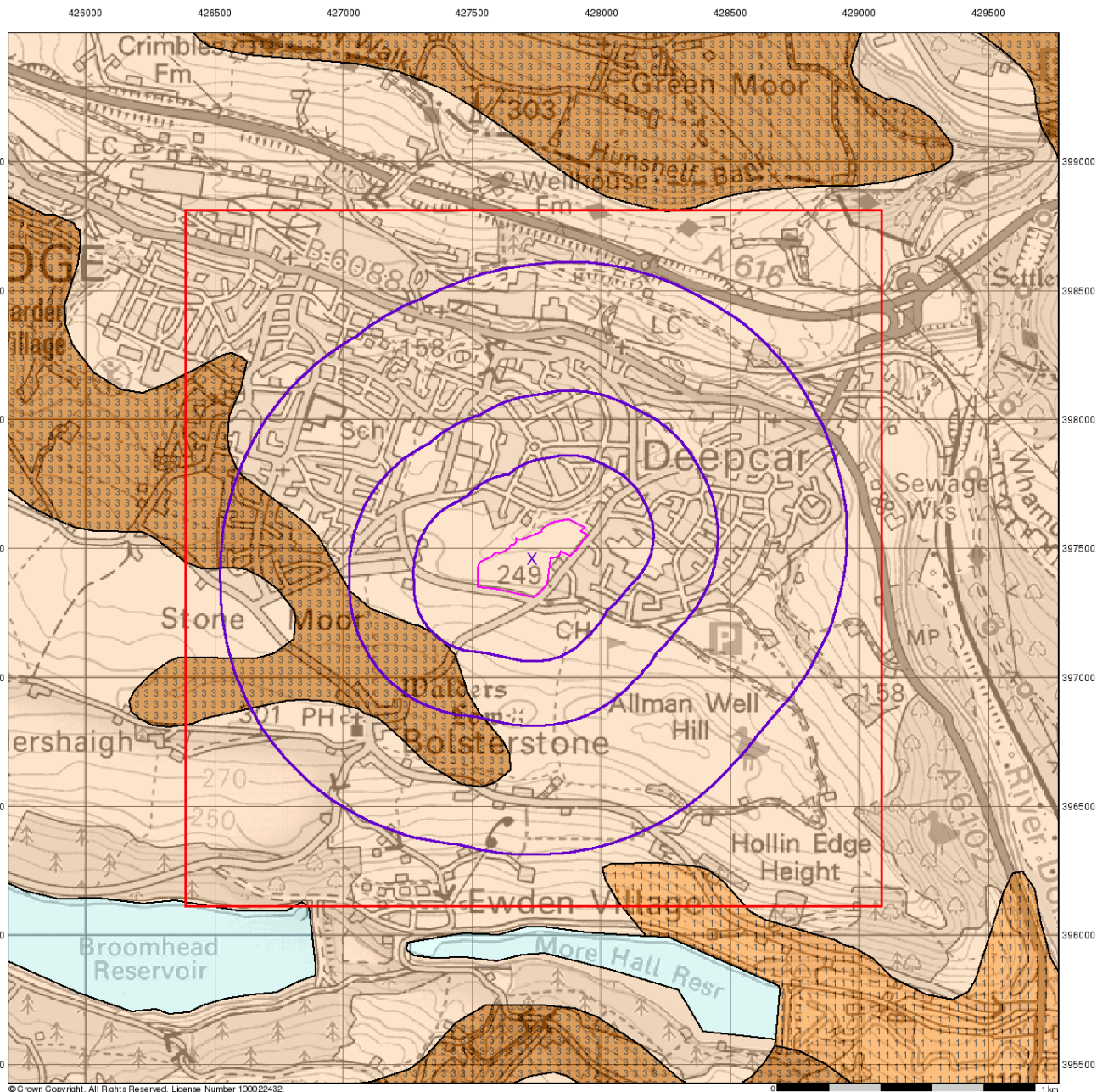


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APPENDIX E

LANDMARK ENVIROCHECK REPORT



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Groundwater Vulnerability

General

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

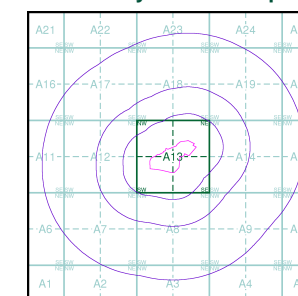
Low

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

Low

Site Sensitivity Context Map - Slice A



Order Details

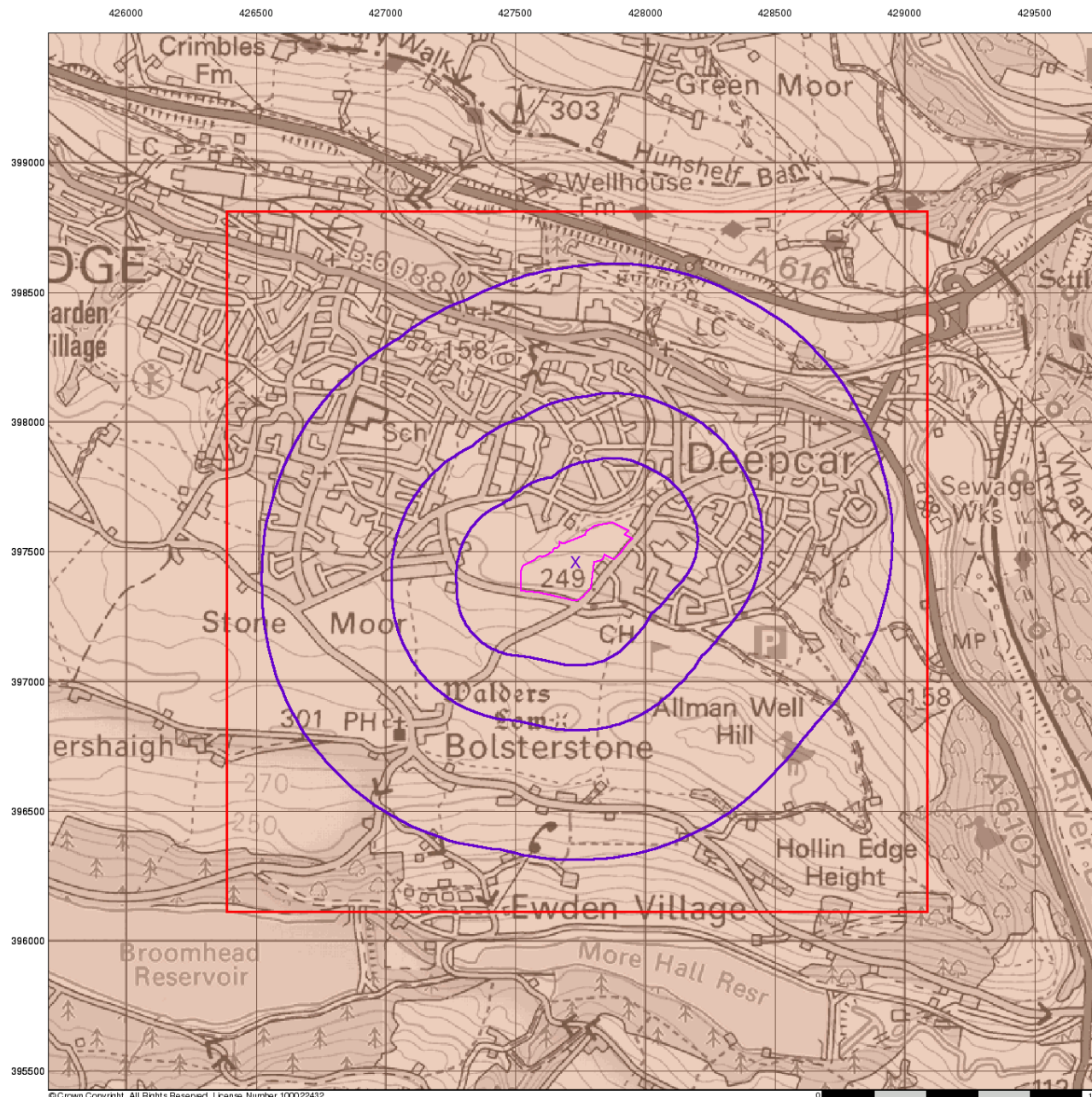
Order Number: 87409751_1_1
Customer Ref: HLT/09
National Grid Reference: 427730, 397460
Slice: A
Site Area (Ha): 6.59
Search Buffer (m): 1000

Site Details

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0 1 km



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Bedrock Aquifer Designation

General

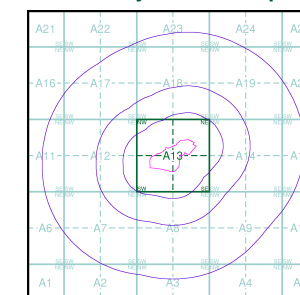
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

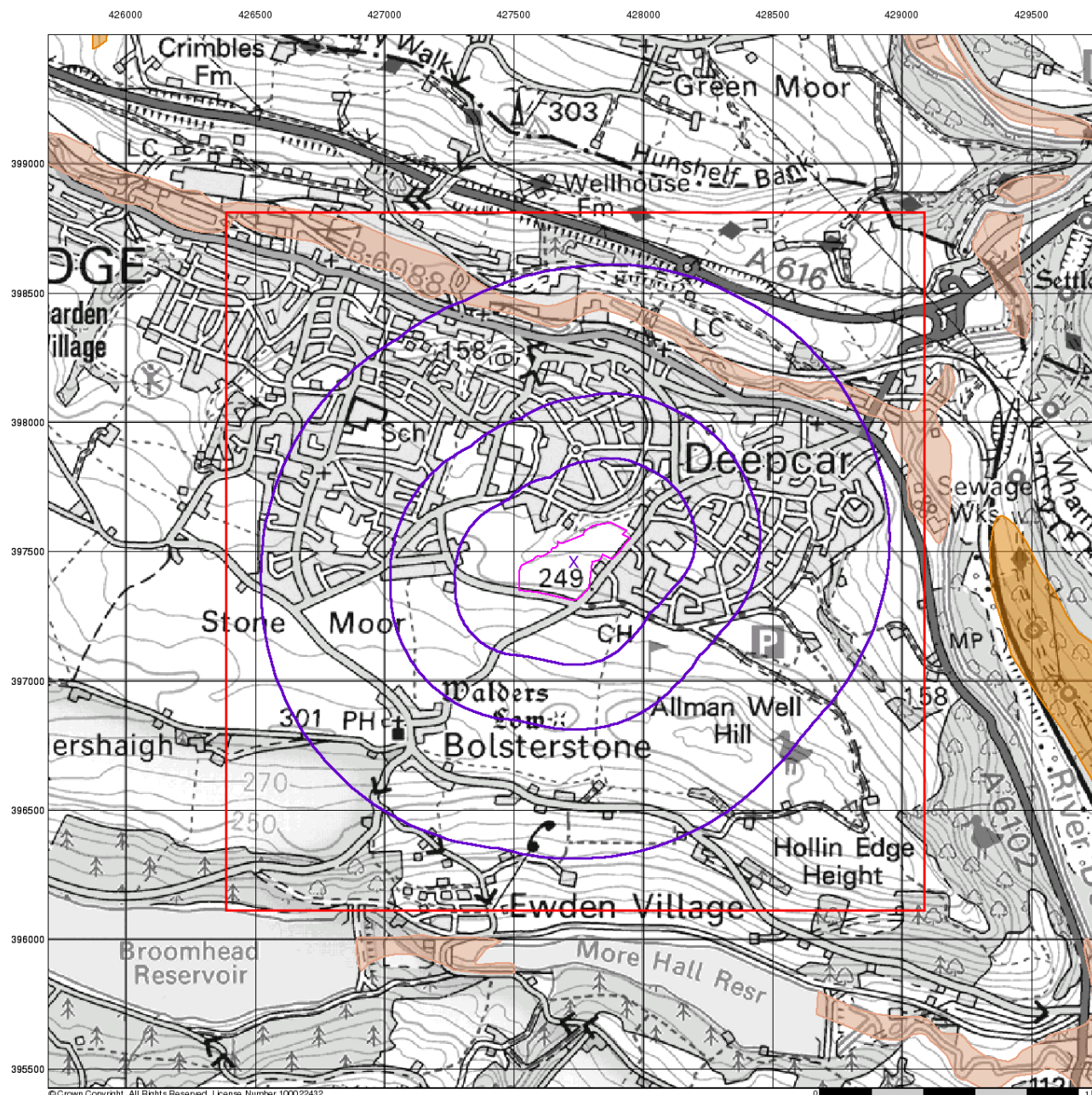
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Site Area (Ha): 6.59
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Superficial Aquifer Designation

General

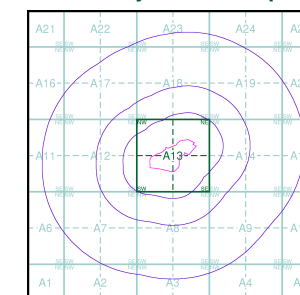
- ◇ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

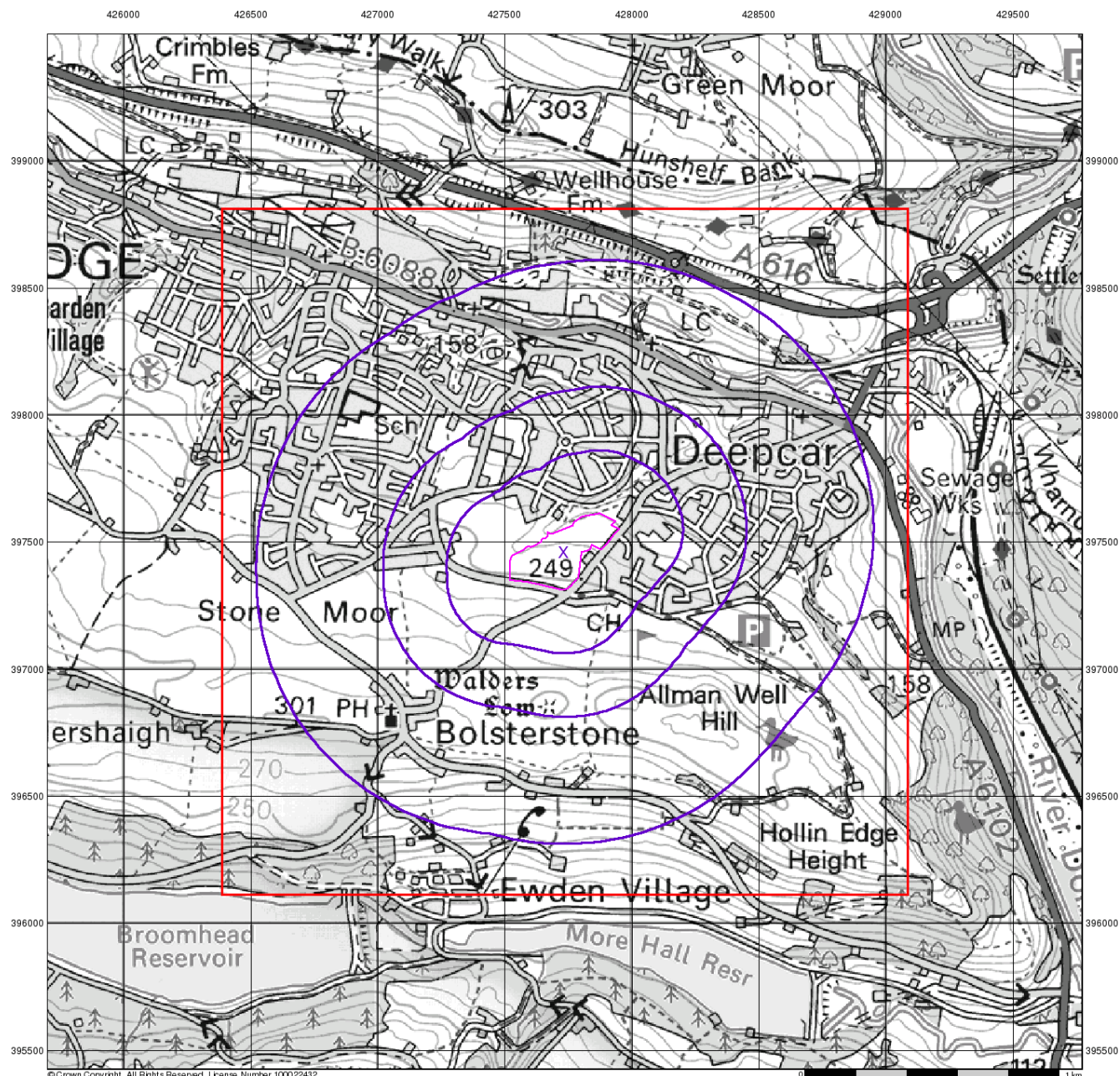
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Source Protection Zones

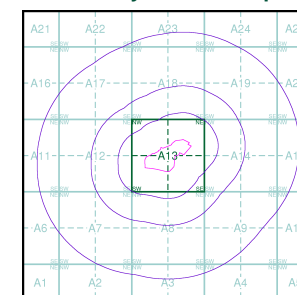
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

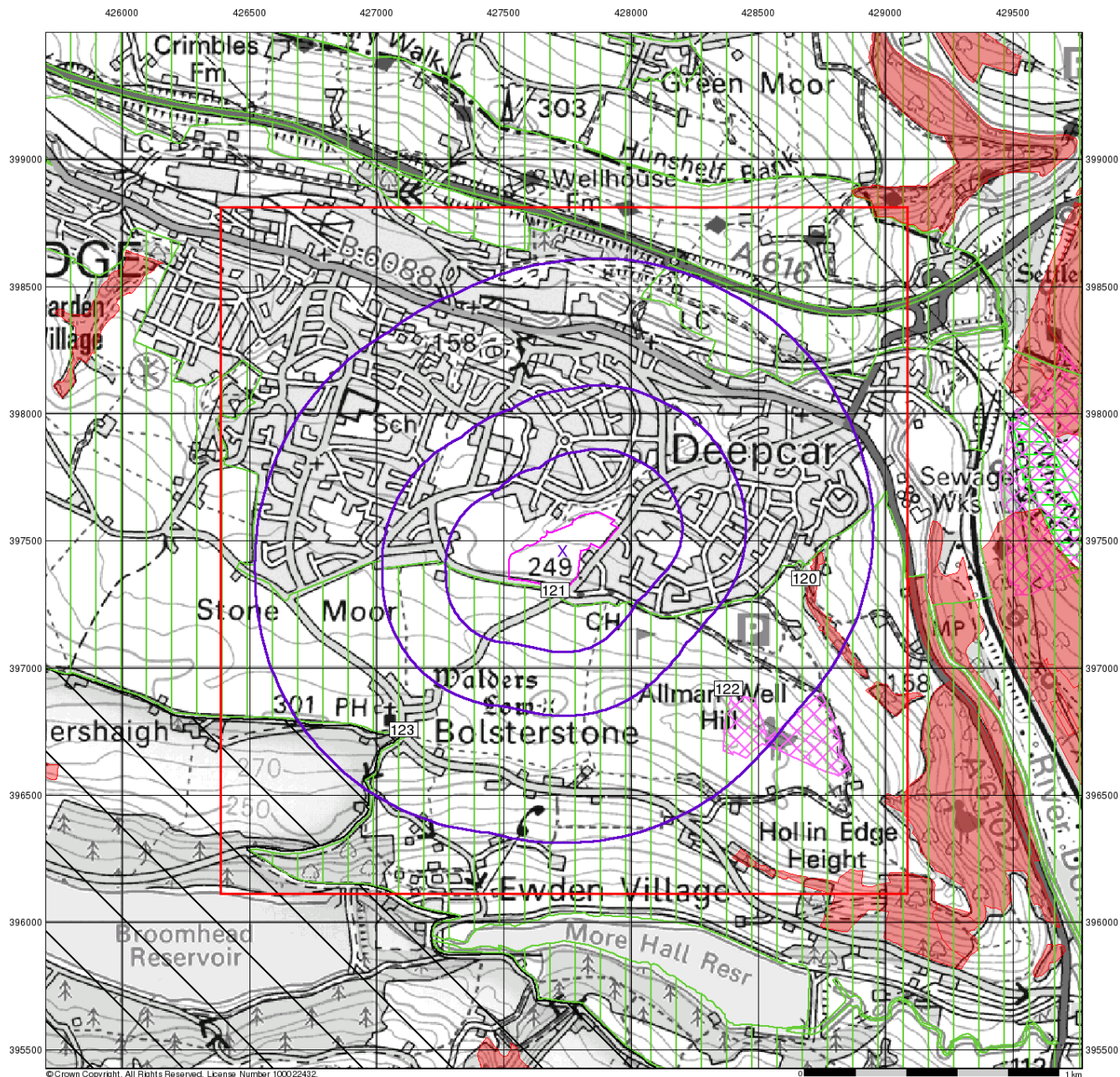
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Sensitive Land Uses

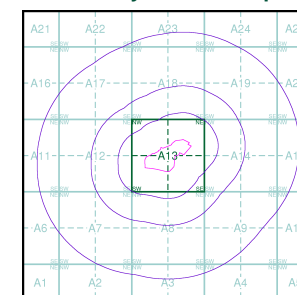
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

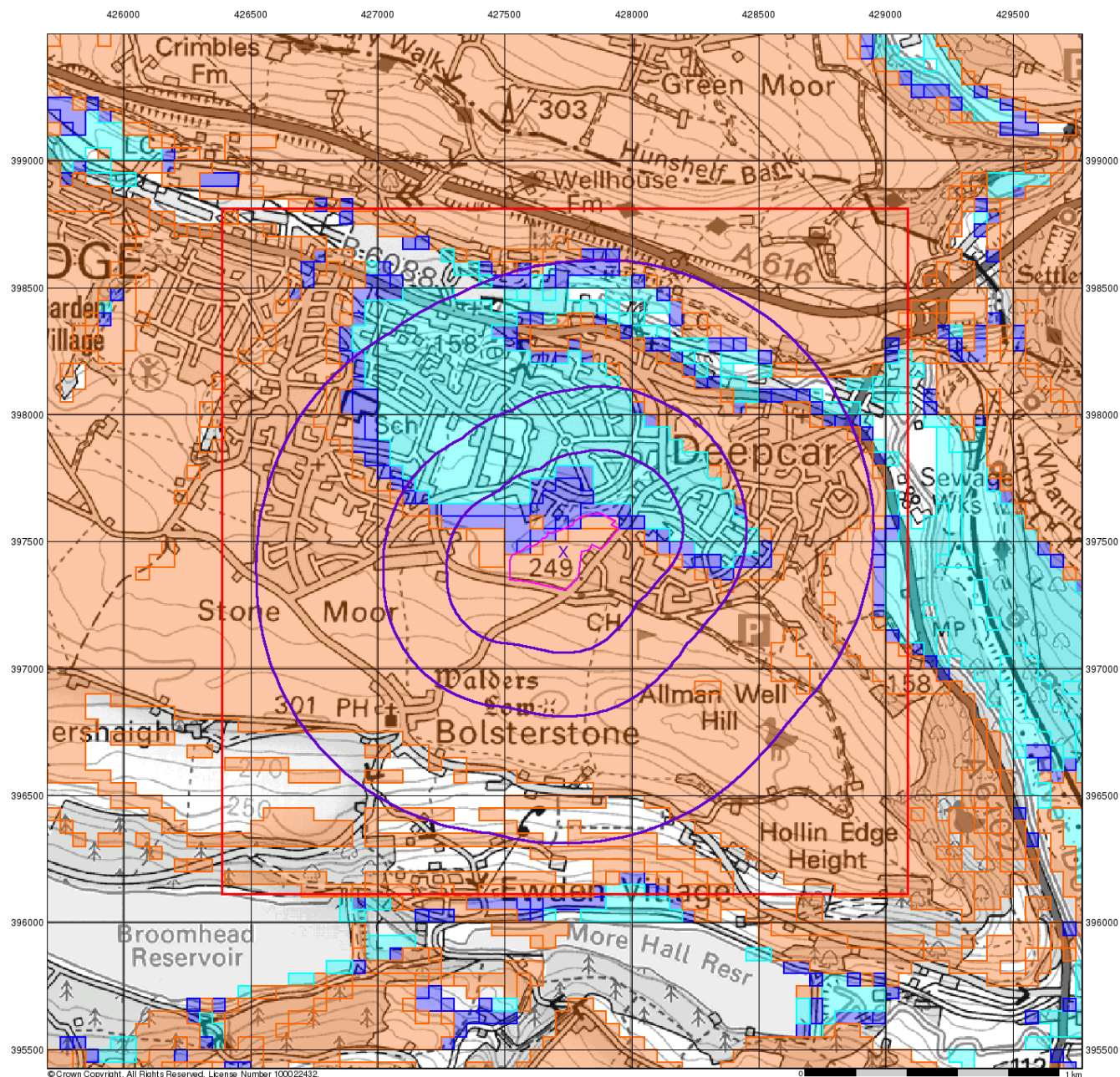
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BGS Flood GFS Data

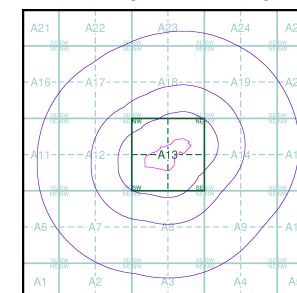
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 87409751_1_1
Customer Ref: HLT/09
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Datasheet

Order Details:

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Customer Reference:

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Slice:

A

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6.59

Search Buffer (m):

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Site Details:

Carr Road
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Client Details:

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Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	20
Hazardous Substances	-
Geological	22
Industrial Land Use	31
Sensitive Land Use	35
Data Currency	36
Data Suppliers	40
Useful Contacts	41

Introduction

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

In 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 v50.0



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 3				26
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 9				1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 9	Yes			
Pollution Incidents to Controlled Waters	pg 9			1	16
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 12				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 12				1
Water Abstractions	pg 12				3 (*15)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 17	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 17	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines	pg 17	Yes	Yes		n/a
Detailed River Network Offline Drainage	pg 19			Yes	n/a



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 20				1
Historical Landfill Sites	pg 20		2		4
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 21	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites	pg 21				1
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 22	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 22		6	9	26
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas	pg 29	Yes	n/a	n/a	n/a
Mining Instability	pg 29	Yes	n/a	n/a	n/a
Man-Made Mining Cavities	pg 29	1	1	1	
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 29	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 29	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 29	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 30	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 31		4	5	28
Fuel Station Entries	pg 34				1
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland	pg 35				1
Areas of Adopted Green Belt	pg 35		1		
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 35				1
Marine Nature Reserves					
National Nature Reserves					
National Parks	pg 35				1
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (E)	0	1	427732 397460
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	0	1	427700 397500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	0	1	427732 397500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	0	1	427600 397500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	0	1	427600 397460
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	0	1	427650 397460
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	0	1	427800 397600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	0	1	427732 397550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	0	1	427750 397550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	0	1	427950 397550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	0	1	427800 397550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	21	1	427500 397460
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	23	1	427650 397550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	38	1	427850 397650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	49	1	428000 397550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	50	1	428000 397500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	92	1	427800 397700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	93	1	427600 397600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	100	1	428050 397500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	112	1	428050 397460
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	112	1	427650 397650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	150	1	428100 397500



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	158	1	428100 397460
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	206	1	428150 397460
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	224	1	428150 397450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	269	1	428200 397450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	299	1	427250 397550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	316	1	428250 397450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	321	1	427250 397600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	335	1	428250 397400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	365	1	427200 397600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	381	1	428300 397400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	381	1	428050 397950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	389	1	427200 397650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	402	1	428300 397750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	408	1	428000 398000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	433	1	427150 397650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	447	1	428350 397350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	452	1	428400 397600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	456	1	428000 398050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	458	1	427150 397700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	461	1	428400 397450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	474	1	428400 397400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	477	1	427100 397650



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Derek Pollard Property Type: Mixed Farming Location: Cote House Farm, More Hall Lane, BOLSTERSTONE, South Yorkshire, S30 5ZL Authority: Environment Agency, North East Region Catchment Area: Not Given Reference: C4742 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge: Unknown Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	664	2	427750 396650
2	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Manchester Road Weir Cso Manchester Road, Deepcar, Sheffield, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra8523 Permit Version: 1 Effective Date: 31st March 2005 Issued Date: 21st March 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Little Don Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A19NE (NE)	788	2	428480 398150
3	Discharge Consents Operator: Stocksbridge Engineering Steels Property Type: Iron & Steel Industries Location: Stocksbridge Engineering Steels, St, Ocksbridge Works -Outlet 29 Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E610 Permit Version: 1 Effective Date: 1st April 1985 Issued Date: 1st April 1985 Revocation Date: 16th August 1993 Discharge Type: Trade Effluent Discharge: Unspecified Environment: Receiving Water: No Details Status: Consent revoked: Discharge ceased (Water Resources Act 1991, Schedule 10 & 6) Positional Accuracy: Located by supplier to within 100m	A19NW (N)	788	2	428090 398370
4	Discharge Consents Operator: Bsc Stainless Property Type: Trade (Unknown/Other) Location: B.S.C. Stainless, Stocksbridge Site, -Outlet 26 Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E607 Permit Version: 1 Effective Date: 1st April 1985 Issued Date: 1st April 1985 Revocation Date: 2nd July 1991 Discharge Type: Trade Effluent Discharge: Unspecified Environment: Receiving Water: No Details Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m	A18NE (N)	828	2	427750 398430



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: Tis Services Ltd Property Type: Retail Distribution Location: Tis Services Ltd, Manchester Road, Deepcar, STOCKSBRIDGE, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Reference: 2193 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 2nd January 1967 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Clough Dike To Little Don To Don Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NE (NE)	838	2	428550 398150
6	Discharge Consents Operator: Outokumpu Stainless Ltd Property Type: Iron & Steel Industries Location: Outokumpu Stainless Ltd Stocksbridge Works, Stocksbridge, Sheffield, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: C4317 Permit Version: 2 Effective Date: 16th October 2001 Issued Date: 16th October 2001 Revocation Date: 11th July 2004 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: Little Don Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18NW (N)	871	2	427510 398420
6	Discharge Consents Operator: Avesta Sheffield Precision Strip Limited Property Type: Iron & Steel Industries Location: Outokumpu Stainless Ltd Stocksbridge Works, Stocksbridge, Sheffield, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: C4317 Permit Version: 1 Effective Date: 11th August 1986 Issued Date: 11th August 1986 Revocation Date: 15th October 2001 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Little Don Status: Transferred from COPA 1974 Positional Accuracy: Located by supplier to within 100m	A18NW (N)	871	2	427510 398420
6	Discharge Consents Operator: Stocksbridge Precision Strip Property Type: Iron & Steel Industries Location: Outokumpu Stainless Ltd Stocksbridge Works, Stocksbridge, Sheffield, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E605 Permit Version: 1 Effective Date: 1st April 1985 Issued Date: 1st April 1985 Revocation Date: 16th October 1986 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Little Don Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18NW (N)	871	2	427510 398420



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Outokumpu Stainless Ltd Property Type: Iron & Steel Industries Location: Outokumpu Stainless Ltd Stocksbridge Works, Stocksbridge, Sheffield, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E608 Permit Version: 3 Effective Date: 16th October 2001 Issued Date: 16th October 2001 Revocation Date: 21st August 2008 Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Don (Culverted) Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A23SE (N)	874	2	427780 398480
7	Discharge Consents Operator: Bsc Stainless Property Type: Iron & Steel Industries Location: Outokumpu Stainless Ltd Stocksbridge Works, Stocksbridge, Sheffield, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E608 Permit Version: 2 Effective Date: 30th June 1986 Issued Date: 30th June 1986 Revocation Date: 15th October 2001 Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: Little Don River (Culverted) Status: Transferred from COPA 1974 Positional Accuracy: Located by supplier to within 10m	A23SE (N)	874	2	427780 398480
7	Discharge Consents Operator: Bsc Stainless Property Type: Iron & Steel Industries Location: Outokumpu Stainless Ltd Stocksbridge Works, Stocksbridge, Sheffield, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E608 Permit Version: 1 Effective Date: 27th November 1979 Issued Date: 27th November 1979 Revocation Date: 29th June 1986 Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: Little Don River (Culverted) Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 100m	A23SE (N)	874	2	427780 398480
7	Discharge Consents Operator: Outokumpu Stainless Ltd Property Type: Iron & Steel Industries Location: B.S.C. Stainless, Stocksbridge Sit, E -Outlet 28 Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E609 Permit Version: 2 Effective Date: 30th June 1986 Issued Date: 30th June 1986 Revocation Date: 22nd August 2008 Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: Little Don River (Culverted) Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A23SE (N)	902	2	427800 398510



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Bsc Stainless Property Type: Iron & Steel Industries Location: B.S.C. Stainless, Stocksbridge Sit, E -Outlet 28 Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E609 Permit Version: 1 Effective Date: 27th November 1979 Issued Date: 27th November 1979 Revocation Date: 29th June 1986 Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: Little Don River (Culverted) Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 100m	A23SE (N)	902	2	427800 398510
8	Discharge Consents Operator: Outokumpu Stainless Ltd Property Type: Iron & Steel Industries Location: Stocksbridge Works Unsliven Road, Stocksbridge, Sheffield, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: C4563 Permit Version: 1 Effective Date: 18th March 1987 Issued Date: 18th March 1987 Revocation Date: 22nd August 2008 Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Little Don Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A18NW (N)	894	2	427560 398460
8	Discharge Consents Operator: Stocksbridge Precision Strip Property Type: Iron & Steel Industries Location: Stocksbridge Works Unsliven Road, Stocksbridge, Sheffield, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E606 Permit Version: 2 Effective Date: 30th June 1986 Issued Date: 30th June 1986 Revocation Date: 3rd July 1991 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Little Don Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 10m	A18NW (N)	894	2	427560 398460
8	Discharge Consents Operator: Stocksbridge Precision Strip Property Type: Iron & Steel Industries Location: Stocksbridge Works Unsliven Road, Stocksbridge, Sheffield, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E606 Permit Version: 1 Effective Date: 1st April 1985 Issued Date: 1st April 1985 Revocation Date: 29th June 1986 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Little Don Status: Transferred from COPA 1974 Positional Accuracy: Located by supplier to within 10m	A18NW (N)	894	2	427560 398460



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Discharge Consents Operator: National Grid Company Plc Property Type: Production & Distribution Of Electricity Location: Proposed Electricity Substation Hunshelf Road, Stocksbridge, Sheffield, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2127 Permit Version: 1 Effective Date: 19th September 1966 Issued Date: 19th September 1966 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Little Don Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 100m	A23SE (N)	897	2	428000 398500
10	Discharge Consents Operator: Stocksbridge Precision Strip Property Type: Iron & Steel Industries Location: Stocksbridge Precision Strip, Stock, Sbridge Works -Outlet 22 Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E603 Permit Version: 1 Effective Date: 1st April 1985 Issued Date: 1st April 1985 Revocation Date: 2nd July 1991 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Little Don Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A18NW (N)	911	2	427430 398430
10	Discharge Consents Operator: Ravenswick Fish Farm Ltd, Property Type: Trade (Unknown/Other) Location: Stocksbridge Precision Strip, Stock, Sbridge Works -Outlet 23 Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E604 Permit Version: 1 Effective Date: 1st April 1985 Issued Date: 1st April 1985 Revocation Date: 2nd July 1991 Discharge Type: Trade Effluent Discharge: Unspecified Environment: Receiving Water: No Details Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 10m	A18NW (N)	916	2	427440 398440
10	Discharge Consents Operator: Avesta Sheffield Limited Property Type: Trade (Unknown/Other) Location: Stocksbridge Precision Strip Outlet, No 23a Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: C4562 Permit Version: 1 Effective Date: 18th March 1987 Issued Date: 18th March 1987 Revocation Date: 4th November 1998 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: River Little Don Status: Consent revoked: Discharge ceased (Water Resources Act 1991, Schedule 10 & 6) Positional Accuracy: Located by supplier to within 100m	A18NW (N)	920	2	427430 398440



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Discharge Consents Operator: Stocksbridge Engineering Steels Property Type: Iron & Steel Industries Location: Stocksbridge Engineering Steels, St, Ocksbridge Works -Outlet 21 Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E602 Permit Version: 1 Effective Date: 1st April 1985 Issued Date: 1st April 1985 Revocation Date: 18th September 1995 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Little Don Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A18NW (N)	941	2	427400 398450
11	Discharge Consents Operator: Outokumpu Stainless Ltd Property Type: Iron & Steel Industries Location: Stocksbridge Works, Stocksbridge, Sheffield, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E601 Permit Version: 2 Effective Date: 30th June 1986 Issued Date: 30th June 1986 Revocation Date: 21st August 2008 Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Little Don Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A17NE (N)	973	2	427350 398460
11	Discharge Consents Operator: British Steel Engineering Steels Ltd Property Type: Iron & Steel Industries Location: Stocksbridge Works, Stocksbridge, Sheffield, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E601 Permit Version: 1 Effective Date: 27th November 1979 Issued Date: 27th November 1979 Revocation Date: 29th June 1986 Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Little Don Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 10m	A17NE (N)	973	2	427350 398460
11	Discharge Consents Operator: Stocksbridge Precision Strip Property Type: Trade (Unknown/Other) Location: Stocksbridge Precision Strip, Stock, Sbridge Works -Outlet 19 Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E600 Permit Version: 1 Effective Date: 1st April 1985 Issued Date: 1st April 1985 Revocation Date: 2nd July 1992 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: River Little Don Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 10m	A17NE (N)	978	2	427340 398460



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Discharge Consents Operator: Unsliven Bridge Farm Property Type: Trade (Unknown/Other) Location: House Unsliven Bridge Farm, Stockbridge, Sheffield, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 2530 Permit Version: 1 Effective Date: 17th July 1969 Issued Date: 17th July 1969 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Little Don Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 100m	A23SW (N)	983	2	427550 398550
13	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Hunshelf Road Cso Hunshelf Rd/Hunshelf Bank (Off), Stocksbridge, Sheffield, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra8524 Permit Version: 1 Effective Date: 31st March 2005 Issued Date: 21st March 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Little Don River Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	996	2	427290 398460
14	Local Authority Pollution Prevention and Controls Name: Deepcar Service Station Location: 74-80 Manchester Road, Stocksbridge, S36 2re Authority: Sheffield City Council, Environmental Protection Service Permit Reference: 1.2/053586/NP Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	830	3	428596 398083
	Nearest Surface Water Feature	A13NW (NW)	0	-	427670 397537
15	Pollution Incidents to Controlled Waters Property Type: Highway/Car Park Location: Mouth/Source Little Don Af Authority: Environment Agency, North East Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 14th July 1992 Incident Reference: 134926 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	494	2	428300 397200
16	Pollution Incidents to Controlled Waters Property Type: Industrial Premises Location: Warncliffe Lodge/Station Road Don 54 Authority: Environment Agency, North East Region Pollutant: Road Run-Off Note: Not Supplied Incident Date: 6th April 1990 Incident Reference: 109362 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	602	2	428000 398200



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Mouth/Source Little Don Af Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Natural Note: Not Supplied Incident Date: 28th April 1994 Incident Reference: 152449 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	626	2	428400 398000
18	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewage Treatment Works Location: Wamcliffe Lodge/Station Road Don 54 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 25th September 1989 Incident Reference: 104012 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	634	2	428300 398100
19	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Foul Sewer Location: Mouth/Source Little Don Af Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 19th August 1991 Incident Reference: 125432 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	672	2	427300 398100
20	Pollution Incidents to Controlled Waters Property Type: Metal industry Location: River Little Don At, DEEPCAR Authority: Environment Agency, North East Region Pollutant: Oils - Other Oil Note: Fish Killed: No Information Incident Date: 3rd May 1997 Incident Reference: SH970196 Catchment Area: Don Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	724	2	428100 398300
21	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Foul Sewer Location: Rear Of Tis Limited, Deepcar, SHEFFIELD Authority: Environment Agency, North East Region Pollutant: Surcharged Sewage Note: Little Don River; No Fish Killed Incident Date: 21st December 1998 Incident Reference: SH980482 Catchment Area: Don Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	731	2	428450 398100
22	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Storm Overflow Location: Manchester Road, Deepcar, SHEFFIELD Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: No Fish Killed Incident Date: 7th March 1997 Incident Reference: SH970057 Catchment Area: Don Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	759	2	428050 398350



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Penistone/Source Don Afu Authority: Environment Agency, North East Region Pollutant: Chemicals - Other Organic Note: Not Supplied Incident Date: 19th October 1993 Incident Reference: 148432 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	761	2	428200 398300
24	Pollution Incidents to Controlled Waters Property Type: Metal industry Location: Little Don At, STOCKSBRIDGE Authority: Environment Agency, North East Region Pollutant: Oils - Waste Oil Note: No Fish Killed Incident Date: 4th March 1997 Incident Reference: SH970083 Catchment Area: Don Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	770	2	428400 398195
24	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Storm Overflow Location: River Little Don, Scholey's Garage, STOCKSBRIDGE Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: Little Don River; No Fish Killed Incident Date: 3rd July 1998 Incident Reference: SH980261 Catchment Area: Don Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	773	2	428405 398195
24	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Warmcliffe Lodge/Station Road Don 54 Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Tip Leachate Note: Not Supplied Incident Date: 4th February 1990 Incident Reference: 107463 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	774	2	428400 398200
25	Pollution Incidents to Controlled Waters Property Type: Industrial Premises Location: Mouth/Source Little Don Af Authority: Environment Agency, North East Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 12th January 1994 Incident Reference: 149695 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	789	2	427900 398400
26	Pollution Incidents to Controlled Waters Property Type: Industrial Premises Location: Mouth/Source Little Don Af Authority: Environment Agency, North East Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 1st September 1992 Incident Reference: 136133 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	798	2	428000 398400



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Foul Sewer Location: Mouth/Source Little Don Af Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 17th August 1989 Incident Reference: 102612 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	826	2	427600 398400
28	Pollution Incidents to Controlled Waters Property Type: Industrial Premises Location: Penistone/Source Don Afu Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 9th April 1991 Incident Reference: 121275 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A23SW (N)	923	2	427600 398500
29	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Foul Sewer Location: Mouth/Source Little Don Af Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Vehicle Washings And De Waxing Note: Not Supplied Incident Date: 20th January 1994 Incident Reference: 149703 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	925	2	428700 398100
	River Quality Name: Little_Don_River GQA Grade: River Quality B Reach: Minewater_Little_Do Estimated Distance (km): 4 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A18NE (N)	675	2	427982 398284
30	Substantiated Pollution Incident Register Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 29th July 2006 Incident Reference: 422575 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Pollutant Not Identified: Not Identified	A19SE (NE)	941	2	428694 398136
31	Water Abstractions Operator: Mrs V A Henson Licence Number: 2/27/05/136 Permit Version: 100 Location: Alman Well Spring - Deepcar - Sheffield Authority: Environment Agency, North East Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 1 Yearly Rate (m3): 250 Details: Parsonage Farm, Townend, Deepcar, Sheffield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st April 1976 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	623	2	428300 397000



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	Water Abstractions Operator: D M Kaye Licence Number: 2/27/05/122 Permit Version: 100 Location: Spring-Deepcar-Near Sheffield Authority: Environment Agency, North East Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 0 Yearly Rate (m3): 636 Details: Townend Farm, Deepcar, Nr. Sheffield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th April 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	623	2	428300 397000
32	Water Abstractions Operator: Mr A H Wainwright Licence Number: 2/27/05/105 Permit Version: 100 Location: Spring-Bolsterstone-Sheffield Authority: Environment Agency, North East Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 3 Yearly Rate (m3): 996 Details: Nook Farm, Bolsterstone, Sheffield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th March 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SW (S)	736	2	427540 396600
	Water Abstractions Operator: Mr & Mrs R C Whalley Licence Number: 2/27/05/126 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: Water Undertaking Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 76 Yearly Rate (m3): 27799 Details: Millstone Grit Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A4NW (SE)	1156	2	428300 396300
	Water Abstractions Operator: Tata Steel UK Ltd Licence Number: 2/27/05/097 Permit Version: 103 Location: The Porter - Little Don Authority: Environment Agency, North East Region Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Stocksbridge Works, Stocksbridge, Sheffield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd October 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SW (NW)	1393	2	426900 398700



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Corus Group Plc Licence Number: 2/27/05/097 Permit Version: 102 Location: The Porter - Little Don Authority: Environment Agency, North East Region Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Stocksbridge Works, Stocksbridge, Sheffield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th December 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SW (NW)	1393	2	426900 398700
	Water Abstractions Operator: Corus Engineering Steels Limited Licence Number: 2/27/05/097 Permit Version: 101 Location: The Porter - Little Don Authority: Environment Agency, North East Region Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Stocksbridge Works, Stocksbridge, Sheffield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th June 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22SW (NW)	1393	2	426900 398700
	Water Abstractions Operator: Ues Steels Stocksbridge Licence Number: 2/27/05/097 Permit Version: 100 Location: The Porter(Little Don) Authority: Environment Agency, North East Region Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Stocksbridge Works, Stocksbridge, Sheffield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st October 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22SW (NW)	1393	2	426900 398700
	Water Abstractions Operator: Gr-Stein Refractories Limited Licence Number: 2/27/05/059 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: Cooling/Gen Ind. Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 196 Yearly Rate (m3): 70918 Details: Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A20NE (NE)	1408	2	429200 398200



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Yorkshire Water Services Ltd Licence Number: 2/27/05/031 Permit Version: 101 Location: Broomhead Reservoir Authority: Environment Agency, North East Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Broomhead Reservoir Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 7th March 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A2SW (SW)	1486	2	426900 396000
	Water Abstractions Operator: Yorkshire Water Services Ltd Licence Number: 2/27/05/031 Permit Version: 100 Location: Broomhead Reservoir Authority: Environment Agency, North East Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 15900000 Details: Broomhead Reservoir Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th December 1965 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A2SW (SW)	1486	2	426900 396000
	Water Abstractions Operator: A Wainwright Licence Number: 2/27/05/138 Permit Version: 100 Location: Spring-Bolsterstone-Sheffield Authority: Environment Agency, North East Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 2 Yearly Rate (m3): 830 Details: Raynor House Farm, Bolsterstone, Sheffield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th May 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1728	2	427500 395600
	Water Abstractions Operator: Mr J Caswell Licence Number: 2/27/05/092 Permit Version: 100 Location: Well - Coal Measures - Stocksbridge Authority: Environment Agency, North East Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 0 Yearly Rate (m3): 136 Details: Hunger Hill Cottage, Bolsterstone, Stocksbridge, Sheffield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th June 1972 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1780	2	425800 396900



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: F Hague & Sons Licence Number: 2/27/05/090 Permit Version: 100 Location: Well - Coal Measures - Stocksbridge Authority: Environment Agency, North East Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 0 Yearly Rate (m3): 455 Details: Low Flat Farm,Bolsterstone,Sheffield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th March 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1808	2	425800 396800
	Water Abstractions Operator: Mr & Mrs K Parkin Licence Number: 2/27/05/084 Permit Version: 100 Location: Spring & Catchpit Authority: Environment Agency, North East Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 2 Yearly Rate (m3): 546 Details: Carr House Farm,Brightholmlee,Sheffield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1982 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1832	2	428000 395500
	Water Abstractions Operator: Sheffield M D C Licence Number: 2/27/05/081 Permit Version: Not Supplied Location: 32 Properties In Ewden Village, Stockbridge, SHEFFIELD Authority: Environment Agency, North East Region Abstraction: Water Undertaking Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 55 Yearly Rate (m3): 13638 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1878	2	427200 395500
	Water Abstractions Operator: Mrs A Wragg Licence Number: 2/27/05/119 Permit Version: 100 Location: Spring- Ewden Sheffield Authority: Environment Agency, North East Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 1 Yearly Rate (m3): 326 Details: Rocher Farm,Ewden,Sheffield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th April 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1898	2	427100 395500



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: The Wharncliffe Estates Licence Number: 2/27/05/093 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 120 Yearly Rate (m3): 43642 Details: Licence Lapsed Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1929	2	429800 398100
	Groundwater Vulnerability Soil Classification: Soils of Low Leaching Potential - Soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment Map Sheet: Sheet 17 Derbyshire & North Staffordshire Scale: 1:100,000	A13SW (E)	0	2	427732 397460
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (E)	0	1	427732 397460
	Superficial Aquifer Designations No Data Available				
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
33	Detailed River Network Lines River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NW (NW)	0	2	427693 397549
34	Detailed River Network Lines River Type: Secondary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NW (N)	26	2	427721 397571



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	Detailed River Network Lines River Type: Tertiary River River Name: Clough Dike Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NE (N)	29	2	427742 397583
36	Detailed River Network Lines River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NE (NE)	45	2	427854 397654
37	Detailed River Network Lines River Type: Secondary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NE (NE)	46	2	427837 397651
38	Detailed River Network Lines River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NE (NE)	95	2	427938 397686
39	Detailed River Network Lines River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NE (NE)	154	2	428000 397729
40	Detailed River Network Lines River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D004 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Currently Undefined Management Status: Water Course: Clough dike Name: Water Course: 3345 Reference:	A13NE (NE)	181	2	427989 397757



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	Detailed River Network Offline Drainage River Type: Tertiary River Hydrographic Area: D004	A13SE (SE)	280	2	428045 397241
42	Detailed River Network Offline Drainage River Type: Tertiary River Hydrographic Area: D004	A14SW (SE)	315	2	428076 397223
43	Detailed River Network Offline Drainage River Type: Tertiary River Hydrographic Area: D004	A14SW (SE)	400	2	428186 397212
44	Detailed River Network Offline Drainage River Type: Tertiary River Hydrographic Area: D004	A14SW (SE)	454	2	428229 397179
45	Detailed River Network Offline Drainage River Type: Tertiary River Hydrographic Area: D004	A14SW (E)	497	2	428342 397245



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	BGS Recorded Landfill Sites Site Name: Townend Tip Location: Deepcar, SHEFFIELD, South Yorkshire, S30 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	A9NW (SE)	650	-	428396 397072
47	Historical Landfill Sites Licence Holder: Sheffield CC Location: Stocksbridge Name: Hollinbush Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04506 First Input Date: Not Supplied Last Input Date: 31st December 1986 Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial and Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0067 BGS Ref: Not Supplied Other Ref: 4400/(92)	A12SE (W)	135	2	427387 397357
48	Historical Landfill Sites Licence Holder: Sheffield CC Location: Deepcar, Sheffield Name: Carr Road - Wood Royd Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04507 First Input Date: 31st December 1950 Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert and Industrial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0049 BGS Ref: Not Supplied Other Ref: 4400/(73)	A13NE (NE)	180	2	428049 397720
49	Historical Landfill Sites Licence Holder: Stocksbridge and District Golf Club Location: Royd Lane, Deepcar, Sheffield Name: Adjacent to Common Lane Operator Location: Townend Lane, Deepcar, Sheffield Boundary Accuracy: As Supplied Provider Reference: EAHLD04519 First Input Date: 31st December 1969 Last Input Date: 21st February 1989 Specified Waste Type: Deposited Waste included Inert and Commercial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0043 BGS Ref: Not Supplied Other Ref: WD20/S481, 4400/S481	A14SW (SE)	518	2	428272 397130
50	Historical Landfill Sites Licence Holder: Not Supplied Location: Deepcar, Sheffield, South Yorkshire Name: Townend Tip Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04521 First Input Date: 31st December 1959 Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Commercial Waste and Liquid Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: 1933 Other Ref: 4400/(66)	A9NW (SE)	652	2	428395 397069



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	Historical Landfill Sites Licence Holder: Not Supplied Location: Stocksbridge Name: Haywood Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04508 First Input Date: 31st December 1959 Last Input Date: 31st December 1986 Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0087 BGS Ref: Not Supplied Other Ref: 4400/(117)	A19NW (NE)	716	2	428343 398170
52	Historical Landfill Sites Licence Holder: Not Supplied Location: Stocksbridge Name: Ford Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04509 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0057 BGS Ref: Not Supplied Other Ref: 4400/(82)	A18NW (N)	811	2	427729 398410
	Local Authority Landfill Coverage Name: Sheffield Metropolitan District Council - Has not been able to supply Landfill data		0	3	427732 397460
53	Registered Landfill Sites Licence Holder: Stocksbridge Golf Club Licence Reference: WD20 S 481 Site Location: Townend Lane, Deepcar, Stocksbridge, SHEFFIELD, South Yorkshire, S30 5RZ Licence Easting: 428500 Licence Northing: 396900 Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st July 1985 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Excavated Natural Materials \$ Hardcore And Rubble Prohibited Waste: Asbestos	A9NE (SE)	841	2	428500 396900



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Lower Coal Measures Formation And South Wales Lower Coal Measures Formation (Undifferentiated)	A13SW (E)	0	1	427732 397460
54	BGS Recorded Mineral Sites Site Name: Staple Pit Location: , Stone Moor, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38298 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NW (W)	51	1	427502 397488
55	BGS Recorded Mineral Sites Site Name: Cockshott Lane Pit Location: , Bolsterstone, Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38268 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Fireclay Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	63	1	427610 397274
55	BGS Recorded Mineral Sites Site Name: Cockshott Lane Pit Location: , Bolsterstone, Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38268 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	63	1	427610 397274
56	BGS Recorded Mineral Sites Site Name: Lane End Pit Location: , Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38277 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	82	1	427975 397653
57	BGS Recorded Mineral Sites Site Name: Hollin Busk Colliery Location: , Stone Moor, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38294 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13NW (W)	141	1	427415 397525



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
58	BGS Recorded Mineral Sites Site Name: Hollin Busk Location: , Stone Moor, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38007 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SE (W)	178	1	427344 397353
59	BGS Recorded Mineral Sites Site Name: Cockshot Hill Location: , Bolsterstone, Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38288 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Ganister Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	258	1	427530 397090
60	BGS Recorded Mineral Sites Site Name: Broomfield Coal Pit Location: , Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38295 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	288	1	427359 397677
61	BGS Recorded Mineral Sites Site Name: Clough Colliery Location: , Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38276 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Fireclay Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	334	1	428176 397812
61	BGS Recorded Mineral Sites Site Name: Clough Colliery Location: , Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38276 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	334	1	428176 397812
62	BGS Recorded Mineral Sites Site Name: Holly Bush Colliery Location: , Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38293 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12NE (W)	392	1	427174 397609



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	BGS Recorded Mineral Sites Site Name: Carr Head Location: , Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38260 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	425	1	428322 397758
64	BGS Recorded Mineral Sites Site Name: Bracken Moor Brick Works Pit Location: , Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38292 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	435	1	427362 397850
65	BGS Recorded Mineral Sites Site Name: Lane End Location: , Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38274 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	475	1	428315 397865
66	BGS Recorded Mineral Sites Site Name: Hey Woods Pit Location: , Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38273 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	484	1	428002 398079
67	BGS Recorded Mineral Sites Site Name: Haywood Location: , Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38263 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	503	1	428150 398036
68	BGS Recorded Mineral Sites Site Name: Wood Royd Road Location: , Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38264 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	505	1	428066 398079



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
69	BGS Recorded Mineral Sites Site Name: Allman Well Hill Mines Location: , Bolsterstone, Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38253 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Ganister Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	537	1	428179 396989
70	BGS Recorded Mineral Sites Site Name: Hey Woods Location: , Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38262 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	554	1	428103 398117
71	BGS Recorded Mineral Sites Site Name: Bracken Moor Pit Location: , Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38291 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	580	1	427321 398002
72	BGS Recorded Mineral Sites Site Name: Knoll Top Coal Pit Location: , Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38299 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	626	1	427375 398091
73	BGS Recorded Mineral Sites Site Name: Bracken Moor Coal Pit Location: , Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38296 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12NW (W)	631	1	426977 397748
74	BGS Recorded Mineral Sites Site Name: Allman Well Hill Mines Location: , Bolsterstone, Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38254 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Ganister Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	638	1	428316 396997



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	BGS Recorded Mineral Sites Site Name: Spink Hall Location: , Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38006 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NW (W)	653	1	426878 397532
76	BGS Recorded Mineral Sites Site Name: Bracken Moor Coal Pit Location: , Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38297 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	659	1	427072 397918
77	BGS Recorded Mineral Sites Site Name: Allman Well Location: , Bolsterstone, Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38247 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Loxley Edge Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	661	1	428288 396924
78	BGS Recorded Mineral Sites Site Name: Allman Well Location: , Bolsterstone, Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38252 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Loxley Edge Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	698	1	428223 396804
78	BGS Recorded Mineral Sites Site Name: Allman Well Location: , Bolsterstone, Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38251 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Loxley Edge Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	735	1	428234 396764
79	BGS Recorded Mineral Sites Site Name: Bracken Moor Coal Pit Location: , Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38303 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	700	1	427129 398020



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
80	BGS Recorded Mineral Sites Site Name: Bolsterstone Location: , Bolsterstone, Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38287 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SW (S)	710	1	427511 396633
81	BGS Recorded Mineral Sites Site Name: Henholmes Mine Location: , Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38270 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Fireclay Positional Accuracy: Located by supplier to within 10m	A18NE (N)	721	1	428000 398322
82	BGS Recorded Mineral Sites Site Name: Allman Well Hill Location: , Allman Well Hill, Stocksbridge, Sheffield Source: British Geological Survey, National Geoscience Information Service Reference: 6383 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Loxley Edge Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	723	1	428285 398830
83	BGS Recorded Mineral Sites Site Name: Henholmes Mine Location: , Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38271 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Fireclay Positional Accuracy: Located by supplier to within 10m	A18NE (N)	746	1	427913 398357
84	BGS Recorded Mineral Sites Site Name: Townend Common Location: , Bolsterstone, Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38248 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Loxley Edge Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	831	1	428391 396785
85	BGS Recorded Mineral Sites Site Name: Hen Holmes Pit Location: , Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38269 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Fireclay Positional Accuracy: Located by supplier to within 10m	A18NE (N)	866	1	427948 398474



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	BGS Recorded Mineral Sites Site Name: Allman Well Hill Mines Location: , Bolsterstone, Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38255 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Ganister Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	876	1	428495 396838
87	BGS Recorded Mineral Sites Site Name: Townend Common Location: , Bolsterstone, Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38249 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Loxley Edge Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	897	1	428435 396736
88	BGS Recorded Mineral Sites Site Name: Wharncliffe Villa Pit Location: , Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38275 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Fireclay Positional Accuracy: Located by supplier to within 10m	A23SE (N)	909	1	427752 398512
89	BGS Recorded Mineral Sites Site Name: Shaw House Colliery Location: , Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38290 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	938	1	426758 397977
90	BGS Recorded Mineral Sites Site Name: Townend Common Location: , Bolsterstone, Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38250 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Loxley Edge Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	953	1	428491 396714
91	BGS Recorded Mineral Sites Site Name: White Carr Mine Location: , Deepcar, Stocksbridge, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38265 Type: Underground Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Fireclay Positional Accuracy: Located by supplier to within 10m	A24SW (N)	957	1	428164 398524



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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 (E)	0	4	427732 397460
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SW (E)	0	-	427732 397460
	Mining Instability Mining Evidence: Conclusive Rock Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SW (E)	0	-	427732 397460
	Man-Made Mining Cavities Easting: 427700 Northing: 397400 Distance: 0 Quadrant Reference: A13 Quadrant Reference: SW Bearing Ref: SW Cavity Type: Not supplied Commodity: Fireclay Solid Geology Detail: No Details Superficial Geology No Details Detail:	A13SW (SW)	0	5	427700 397400
	Man-Made Mining Cavities Easting: 427600 Northing: 397300 Distance: 40 Quadrant Reference: A13 Quadrant Reference: SW Bearing Ref: SW Cavity Type: Unknown Commodity: Unknown Solid Geology Detail: No Details Superficial Geology No Details Detail:	A13SW (SW)	40	5	427600 397300
	Man-Made Mining Cavities Easting: 428300 Northing: 397900 Distance: 485 Quadrant Reference: A19 Quadrant Reference: SW Bearing Ref: NE Cavity Type: Not supplied Commodity: Fireclay Solid Geology Detail: No Details Superficial Geology No Details Detail:	A19SW (NE)	485	5	428300 397900
	Non Coal Mining Areas of Great Britain Risk: Highly Likely Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	427732 397460
	Non Coal Mining Areas of Great Britain Risk: Highly Likely Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	427722 397443
	Non Coal Mining Areas of Great Britain Risk: Highly Likely Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	152	1	427491 397597
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	427732 397460
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	427732 397460
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	427732 397460
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	427732 397460



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	427691 397505
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	32	1	427680 397289
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A12SE (SW)	227	1	427380 397172
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	427732 397460
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	427691 397505
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	427732 397460
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	32	1	427688 397287
	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 (E)	0	1	427732 397460
	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 (E)	0	1	427732 397460



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	Contemporary Trade Directory Entries Name: Elite Land Rover Specialists Location: Glen Works, Carr Road, Deepcar, Sheffield, S36 2NR Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (E)	49	-	427999 397559
93	Contemporary Trade Directory Entries Name: Jem Cards Location: 19, Broomfield Grove, Stocksbridge, Sheffield, South Yorkshire, S36 2JL Classification: Greeting Card Publishers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	93	-	427624 397621
94	Contemporary Trade Directory Entries Name: Acres Air Conditioning & Refrigeration Location: 13a, Broomfield Lane, Stocksbridge, Sheffield, S36 2AQ Classification: Air Conditioning & Refrigeration Contractors Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (N)	145	-	427662 397684
95	Contemporary Trade Directory Entries Name: Deepcar St John'S C Of E Junior School Location: St. Margaret Avenue, Deepcar, Sheffield, S36 2TE Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	176	-	428126 397533
96	Contemporary Trade Directory Entries Name: Pressed To Perfection Location: 35, Helliwell Lane, Deepcar, Sheffield, S36 2NH Classification: Ironing & Home Laundry Services Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (E)	383	-	428330 397496
97	Contemporary Trade Directory Entries Name: Markwick French Polishers Location: 1c, Wood Royd Road, Deepcar, Sheffield, S36 2TA Classification: French Polishing Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	458	-	428143 397989
98	Contemporary Trade Directory Entries Name: R M P U Services Gb Ltd Location: Glen Works, Carr Road, Deepcar, Sheffield, S36 2NR Classification: Plastics - Machinery & Equipment Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	464	-	428307 397858
99	Contemporary Trade Directory Entries Name: A R L Location: 2, St. Andrew Road, Deepcar, Sheffield, S36 2SA Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	467	-	428415 397504
99	Contemporary Trade Directory Entries Name: J P Cooling Location: 33, St. Matthias Road, Deepcar, Sheffield, S36 2SG Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	499	-	428445 397484
100	Contemporary Trade Directory Entries Name: Combustion Heating Location: 12, St. Veronica Road, Deepcar, Sheffield, S36 2TP Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	564	-	428514 397530
101	Contemporary Trade Directory Entries Name: H 2 Go Location: 1, St. Peter Avenue, Deepcar, Sheffield, S36 2SL Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	603	-	428549 397629
102	Contemporary Trade Directory Entries Name: White Rose Cleaning Services Location: B, 220, Manchester Road, Deepcar, Sheffield, S36 2RF Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	679	-	428215 398201



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
103	Contemporary Trade Directory Entries Name: Vac Shop The Location: 166, Manchester Road, Deepcar, Sheffield, S36 2RE Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	692	-	428329 398150
104	Contemporary Trade Directory Entries Name: Deepcar Transport Ltd Location: Manchester Road, Deepcar, Sheffield, S36 2QY Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	694	-	428459 398036
104	Contemporary Trade Directory Entries Name: T I S Services Ltd Location: Manchester Road, Deepcar, Sheffield, South Yorkshire, S36 2QY Classification: Gas Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	695	-	428431 398068
104	Contemporary Trade Directory Entries Name: D C S S Garages Location: Unit 4, 125, Manchester Road, Deepcar, Sheffield, S36 2QY Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A19SE (NE)	707	-	428466 398048
105	Contemporary Trade Directory Entries Name: Mansell Cleaning Group Location: 15, Townend Lane, Deepcar, Sheffield, S36 2TN Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	713	-	428661 397619
106	Contemporary Trade Directory Entries Name: Revive Location: Deepcar, Sheffield, South Yorkshire, S36 2NB Classification: Car Body Repairs Status: Active Positional Accuracy: Manually positioned within the geographical locality	A14SE (E)	723	-	428668 397462
107	Contemporary Trade Directory Entries Name: Daniels Of Sheffield Location: 74, Manchester Road, Deepcar, Sheffield, S36 2RE Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A19NE (NE)	813	-	428520 398145
108	Contemporary Trade Directory Entries Name: A D Scholey Ltd Location: Manchester Rd, Deepcar, Sheffield, South Yorkshire, S36 2RE Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	825	-	428591 398081
108	Contemporary Trade Directory Entries Name: Foxhall Location: 74 Manchester Rd, Deepcar, Sheffield, South Yorkshire, S36 2RE Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A19SE (NE)	827	-	428616 398050
108	Contemporary Trade Directory Entries Name: Complheat Location: 74, Manchester Road, Deepcar, Sheffield, S36 2RE Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	837	-	428614 398069
108	Contemporary Trade Directory Entries Name: Deepcar Service Station Location: 74, Manchester Road, Deepcar, Sheffield, S36 2RE Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	837	-	428614 398069
109	Contemporary Trade Directory Entries Name: Mick Grant Location: 84, Shay House Lane, Stocksbridge, Sheffield, S36 1FD Classification: Car Engine Tuning & Diagnostic Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	844	-	426797 397861



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	Contemporary Trade Directory Entries Name: Gordons Auto Centre (Sheffield) Ltd Location: 412, Manchester Road, Stocksbridge, Sheffield, S36 2DS Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	895	-	427437 398416
111	Contemporary Trade Directory Entries Name: Tis Services Ltd Location: Manchester Rd, Deepcar, Sheffield, South Yorkshire, S36 2QX Classification: Gas Suppliers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A19SE (NE)	902	-	428730 398006
112	Contemporary Trade Directory Entries Name: Pennine Blinds Location: 33, Manchester Road, Deepcar, Sheffield, S36 2QX Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A20SW (NE)	932	-	428784 397968
113	Contemporary Trade Directory Entries Name: Manchester Road Recycling Centre Location: Town Hall, Manchester Road, Stocksbridge, Sheffield, S36 2DT Classification: Recycling Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (N)	937	-	427343 398418
113	Contemporary Trade Directory Entries Name: Ad-Lite Electronics Co Uk Location: Rear of 456, Manchester Road, Stocksbridge, Sheffield, South Yorkshire, S36 2DU Classification: Computer Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A17NE (NW)	961	-	427303 398428
114	Contemporary Trade Directory Entries Name: P R Wragg Location: Unit 4, Victoria Road, Stocksbridge, Sheffield, South Yorkshire, S36 1FW Classification: Magnets Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NW (NW)	964	-	426993 398246
115	Contemporary Trade Directory Entries Name: T Bacon Location: Spink Hall Farm, Spink Hall Lane, Stocksbridge, Sheffield, S36 1FL Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A16SE (W)	973	-	426644 397848
116	Contemporary Trade Directory Entries Name: Donald Cherry & Son Location: 2, Manchester Road, Deepcar, Sheffield, S36 2RD Classification: Coal & Smokeless Fuel Merchants & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A20SW (NE)	983	-	428831 397987
117	Contemporary Trade Directory Entries Name: Outokumpu Stainless Location: Manchester Rd, Stocksbridge, Sheffield, South Yorkshire, S36 2JH Classification: Stainless Steel Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A17NE (NW)	986	-	427246 398430
117	Contemporary Trade Directory Entries Name: Vixen Catering Equipment Ltd Location: 464-466, Manchester Road, Stocksbridge, Sheffield, S36 2DU Classification: Catering Equipment - Servicing & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A17NE (NW)	994	-	427260 398445
117	Contemporary Trade Directory Entries Name: E Mchale Location: 457, Manchester Road, Stocksbridge, Sheffield, S36 1DH Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	997	-	427215 398427



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
118	Contemporary Trade Directory Entries Name: Valley Cleaning Location: 11, Edward Street, Stocksbridge, Sheffield, S36 1BA Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A17NE (NW)	992	-	427077 398335
118	Contemporary Trade Directory Entries Name: Disaster Masters Uk Ltd Location: 11, Edward Street, Stocksbridge, Sheffield, S36 1BA Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	992	-	427077 398335
119	Fuel Station Entries Name: Mccolls Deepcar Location: 74, Manchester Road, Deepcar, Sheffield, S36 2RE Brand: Gulf Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	836	-	428614 398069



Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
120	Ancient Woodland Name: Not Supplied Reference: 1411785 Area(m ²): 19091.22 Type: Ancient and Semi-Natural Woodland	A14SE (E)	762	6	428687 397354
121	Areas of Adopted Green Belt Authority: Sheffield City Council Plan Name: Sheffield Unitary Development Plan Status: Adopted Plan Date: 31st March 1998	A13SW (S)	12	7	427701 397305
122	Local Nature Reserves Name: Town End Common Multiple Area: N Area (m2): 85009.02 Source: Natural England Designation Date: 28th March 2012	A9NW (SE)	737	6	428382 396920
123	National Parks Name: Peak District Multiple Area: N Area (m2): 1437831812.87 Source: Natural England Status: Fully Designated - designated as a National Park Designation Date: 1st April 1951	A7SE (SW)	726	6	427105 396757



Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Sheffield City Council - Environmental Protection Service Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	January 2015 July 2013	Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - North East Region	April 2016	Quarterly
Enforcement and Prohibition Notices Environment Agency - North East Region	March 2013	As notified
Integrated Pollution Controls Environment Agency - North East Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control Environment Agency - North East Region	April 2016	Quarterly
Local Authority Integrated Pollution Prevention And Control Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Sheffield City Council - Environmental Protection Service	April 2014 June 2014	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Sheffield City Council - Environmental Protection Service	April 2014 June 2014	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Sheffield City Council - Environmental Protection Service	April 2014 June 2014	Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters Environment Agency - North East Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - North East Region	March 2013	As notified
Prosecutions Relating to Controlled Waters Environment Agency - North East Region	March 2013	As notified
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 East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	April 2016 April 2016	Quarterly Quarterly
Water Abstractions Environment Agency - North East Region	January 2016	Quarterly
Water Industry Act Referrals Environment Agency - North East Region	April 2016	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Source Protection Zones Environment Agency - Head Office	April 2016	Quarterly



Agency & Hydrological	Version	Update Cycle
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2016	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2016	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2016	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2016	Quarterly
Flood Defences Environment Agency - Head Office	February 2016	Quarterly
Detailed River Network Lines Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage Environment Agency - Head Office	March 2012	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	March 2016	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North East Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	February 2016 February 2016	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	April 2016 April 2016	Quarterly Quarterly
Local Authority Landfill Coverage Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Sheffield City Council - Environmental Protection Service	May 2000 May 2000	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Sheffield City Council - Environmental Protection Service	May 2000 May 2000	Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable



Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	February 2016	Bi-Annually
Explosive Sites Health and Safety Executive	February 2016	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Peak District National Park - Development Control Sheffield City Council Barnsley Metropolitan Borough Council - Planning Department	February 2016 February 2016 January 2016	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Peak District National Park - Development Control Sheffield City Council Barnsley Metropolitan Borough Council - Planning Department	February 2016 February 2016 January 2016	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	January 2009	Not Applicable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2016	Bi-Annually
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	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	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	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	April 2016	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2016	Quarterly
Gas Pipelines National Grid	July 2014	Quarterly
Underground Electrical Cables National Grid	January 2016	Bi-Annually
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	June 2015	Bi-Annually
Areas of Adopted Green Belt Barnsley Metropolitan Borough Council - Planning Department Sheffield City Council	May 2016 May 2016	As notified As notified
Areas of Unadopted Green Belt Barnsley Metropolitan Borough Council - Planning Department Sheffield City Council	November 201 November 201	As notified As notified
Areas of Outstanding Natural Beauty Natural England	April 2016	Bi-Annually
Environmentally Sensitive Areas Natural England	April 2016	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	April 2016	Bi-Annually
Marine Nature Reserves Natural England	April 2016	Bi-Annually
National Nature Reserves Natural England	April 2016	Bi-Annually
National Parks Natural England	March 2016	Bi-Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Annually
Ramsar Sites Natural England	April 2016	Bi-Annually
Sites of Special Scientific Interest Natural England	April 2016	Bi-Annually
Special Areas of Conservation Natural England	April 2016	Bi-Annually
Special Protection Areas Natural England	April 2016	Bi-Annually
World Heritage Sites English Heritage - National Monument Record Centre	September 2015	Bi-Annually



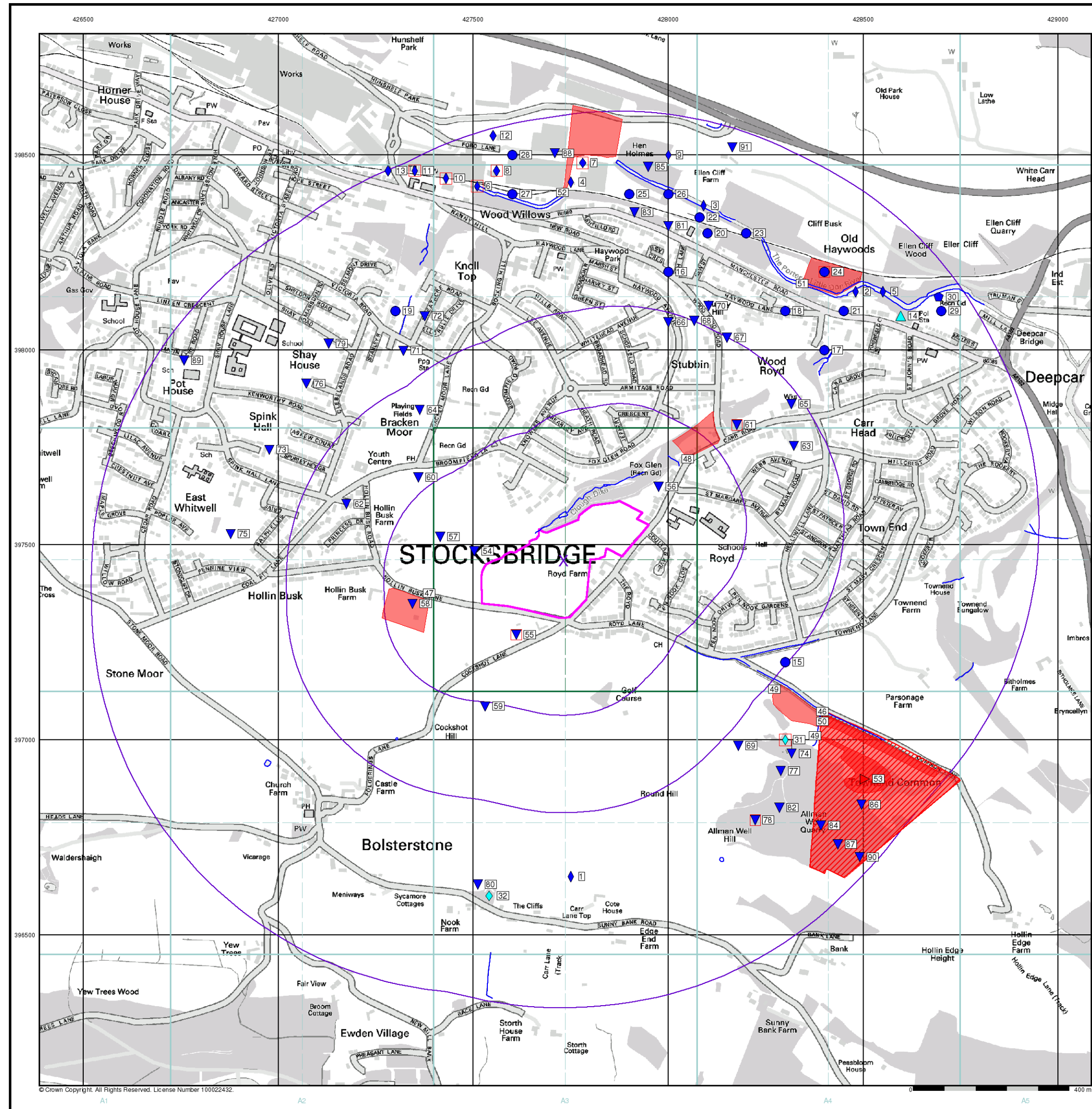
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	



Contact	Name and Address	Contact Details
1	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
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Sheffield City Council - Environmental Protection Service 2-10 Carbrook Hall Road, Sheffield, S9 2DB	Telephone: 0114 272 6444 Website: www.sheffield.gov.uk
4	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk
5	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
6	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
7	Sheffield City Council Howden House, 1 Union Street, Sheffield, South Yorkshire, S1 2SH	Telephone: 0114 273 4215 Fax: 0114 273 5002 Website: www.sheffield.gov.uk
8	Barnsley Metropolitan Borough Council - Planning Department Central Offices, Kendray Street, Barnsley, South Yorkshire, S70 2TN	Telephone: 01226 770770 Fax: 01226 772599 Website: www.barnsley.gov.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



ARP GEOTECHNICAL LIMITED
CHARTERED CONSULTING ENGINEERS

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 Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

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

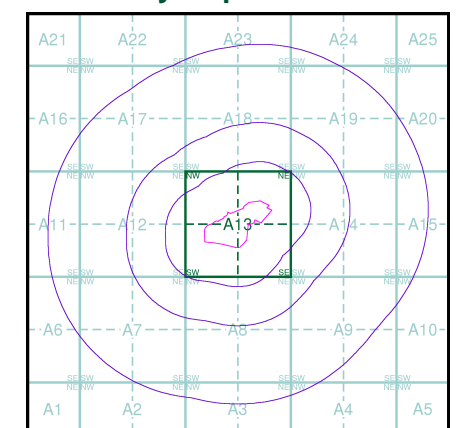
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Site Sensitivity Map - Slice A



Order Details

Order Number: 87409751_1_1
Customer Ref: HLT/09
National Grid Reference: 427730, 397460
Slice: A
Site Area (Ha): 6.59
Search Buffer (m): 1000

Site Details

Carr Road, Deepcar, SHEFFIELD



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



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CHARTERED CONSULTING ENGINEERS

Industrial Land Use Map

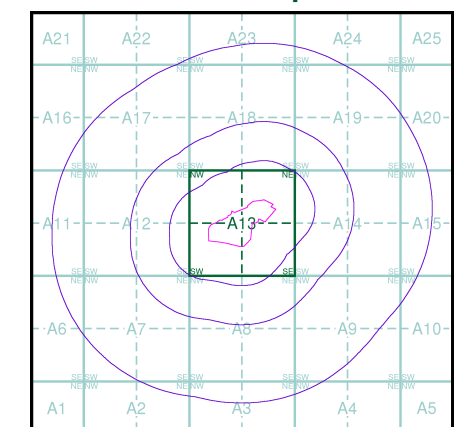
General

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

Industrial Land Use

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

Industrial Land Use Map - Slice A



Order Details

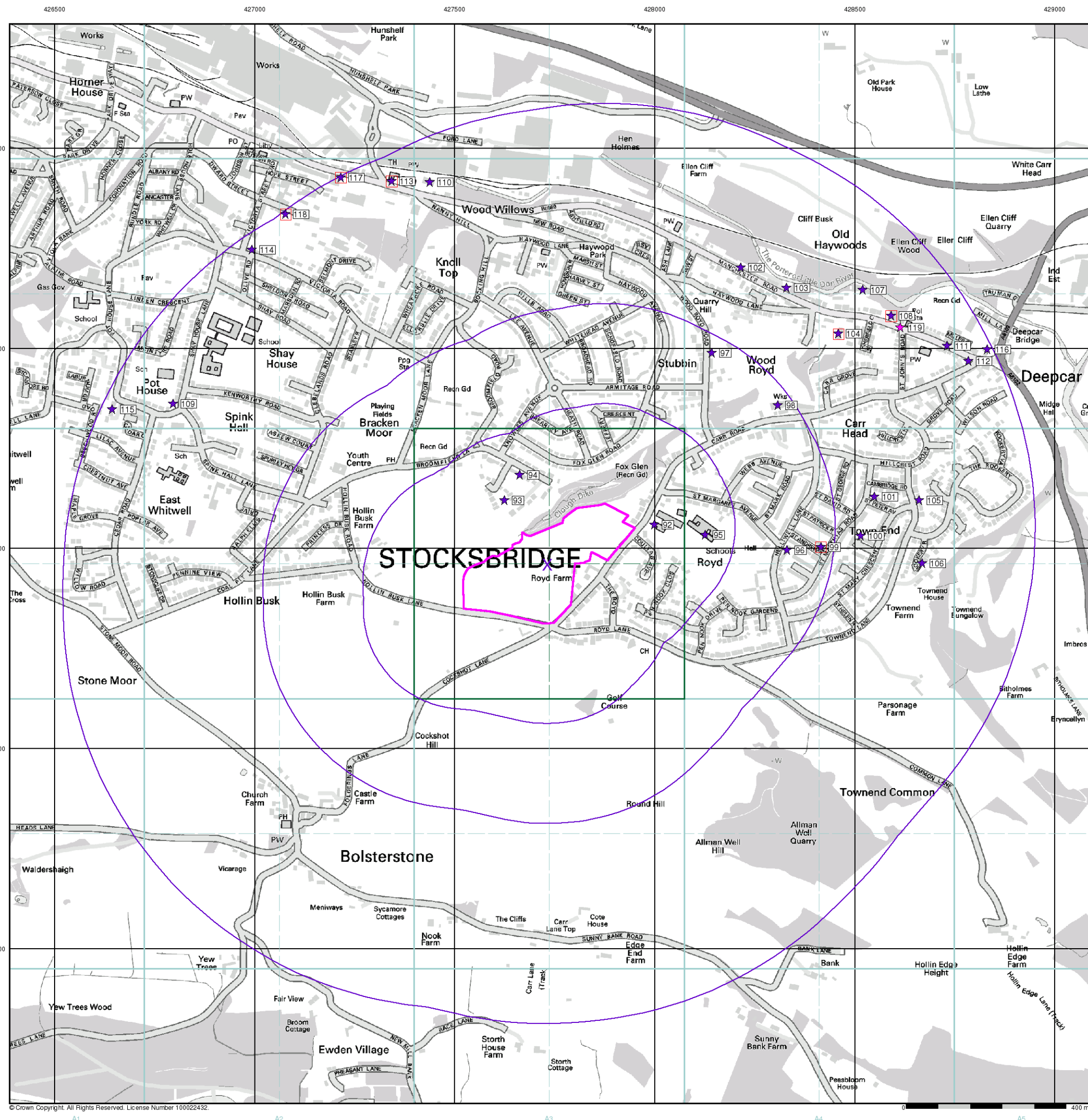
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Customer Ref: HLT/09
National Grid Reference: 427730, 397460
Slice: A
Site Area (Ha): 6.59
Search Buffer (m): 1000

Site Details

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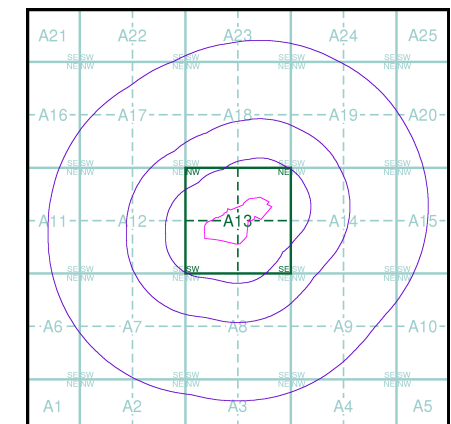
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A

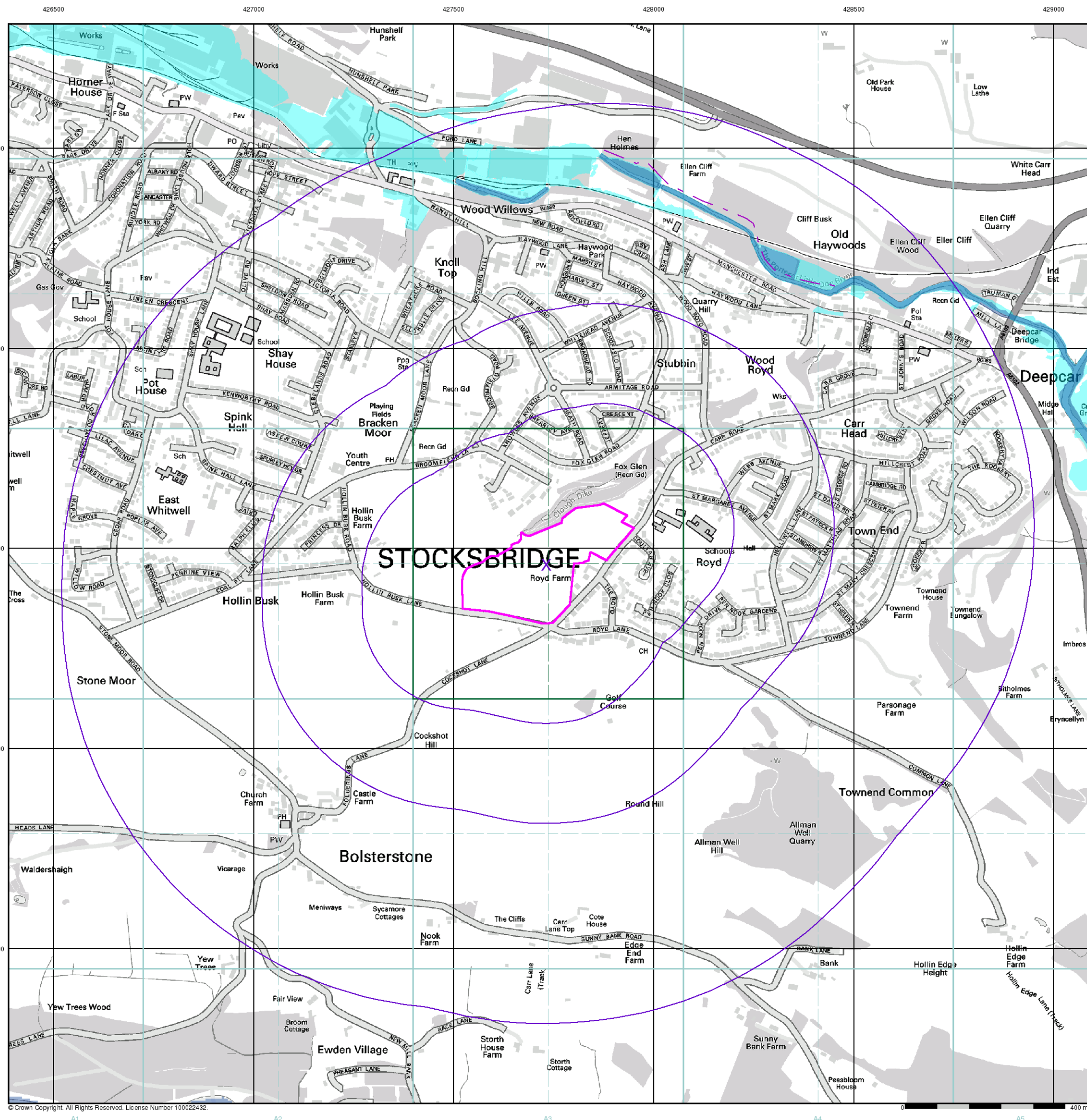


Order Details

Order Number: 87409751_1_1
Customer Ref: HLT/09
National Grid Reference: 427730, 397460
Slice: A
Site Area (Ha): 6.59
Search Buffer (m): 1000

Site Details

Carr Road, Deepcar, SHEFFIELD





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CHARTERED CONSULTING ENGINEERS

General

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

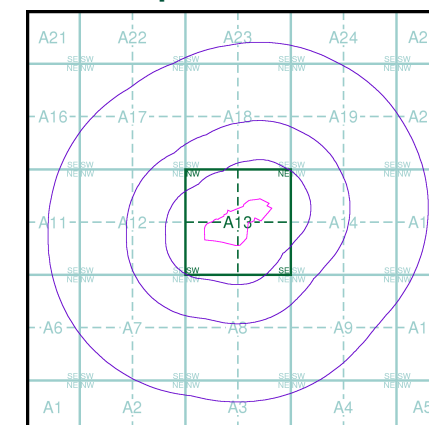
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

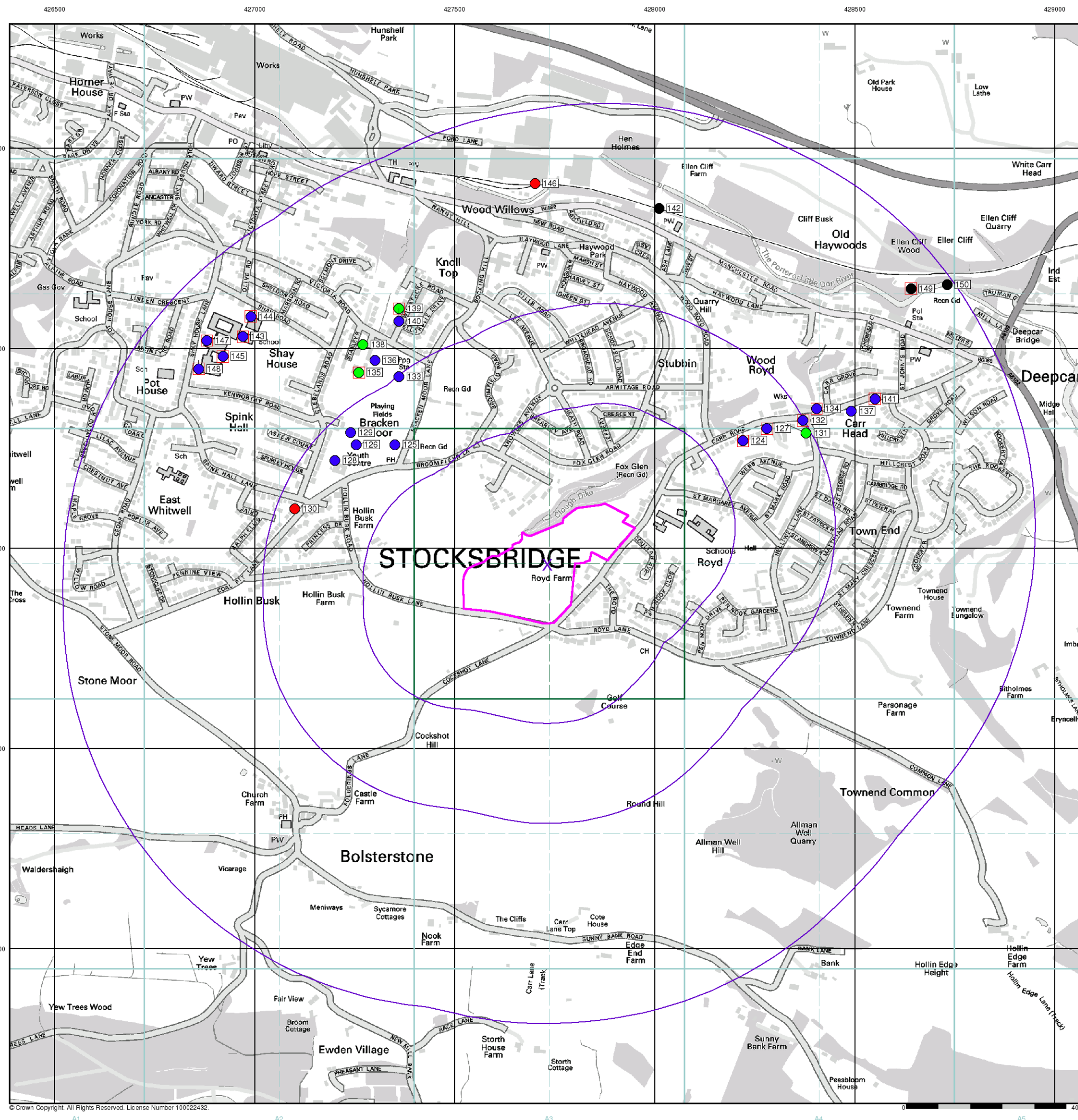
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Customer Ref: HLT/09
National Grid Reference: 427730, 397460
Slice: A
Site Area (Ha): 6.59
Search Buffer (m): 1000

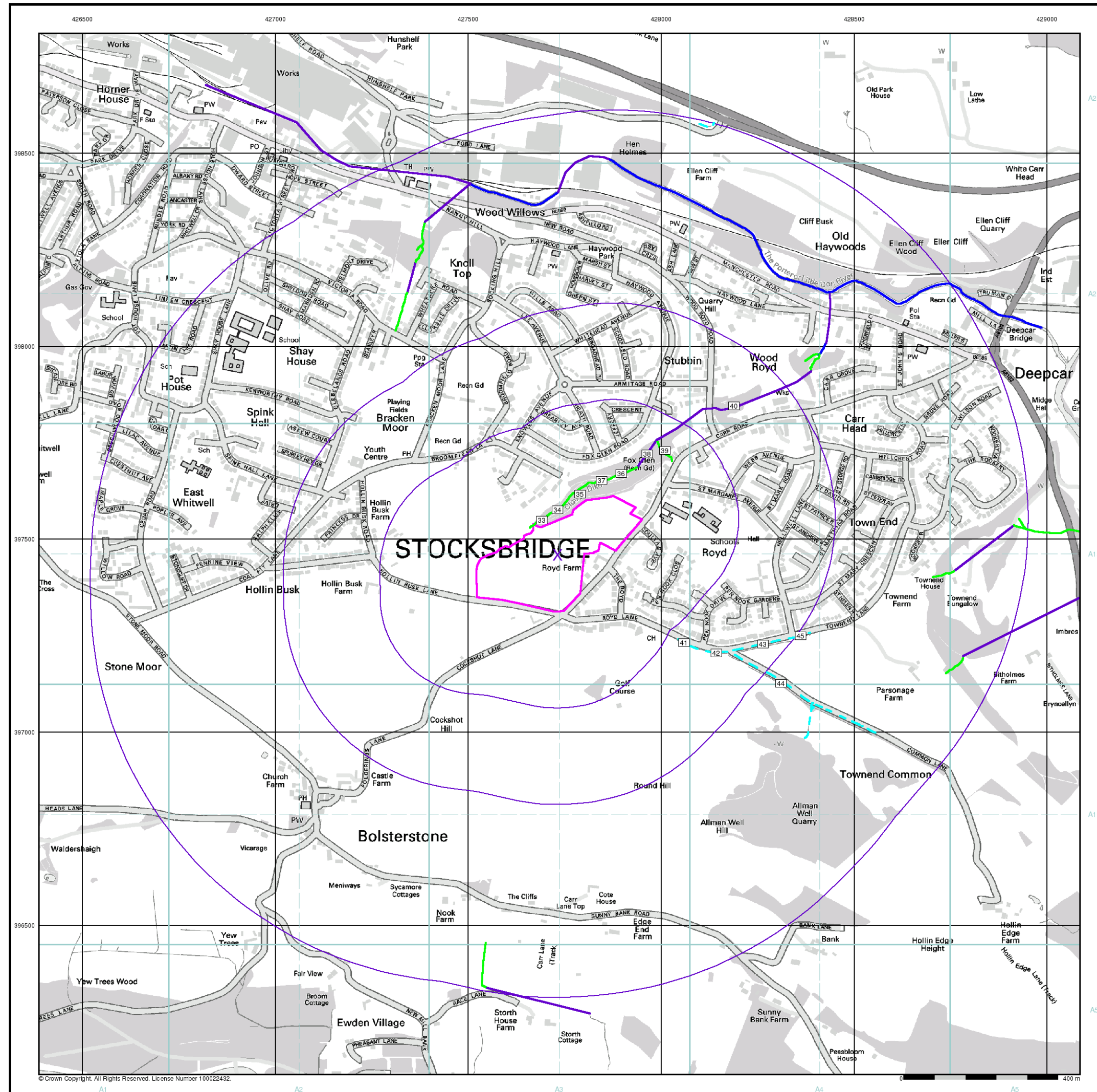
Site Details

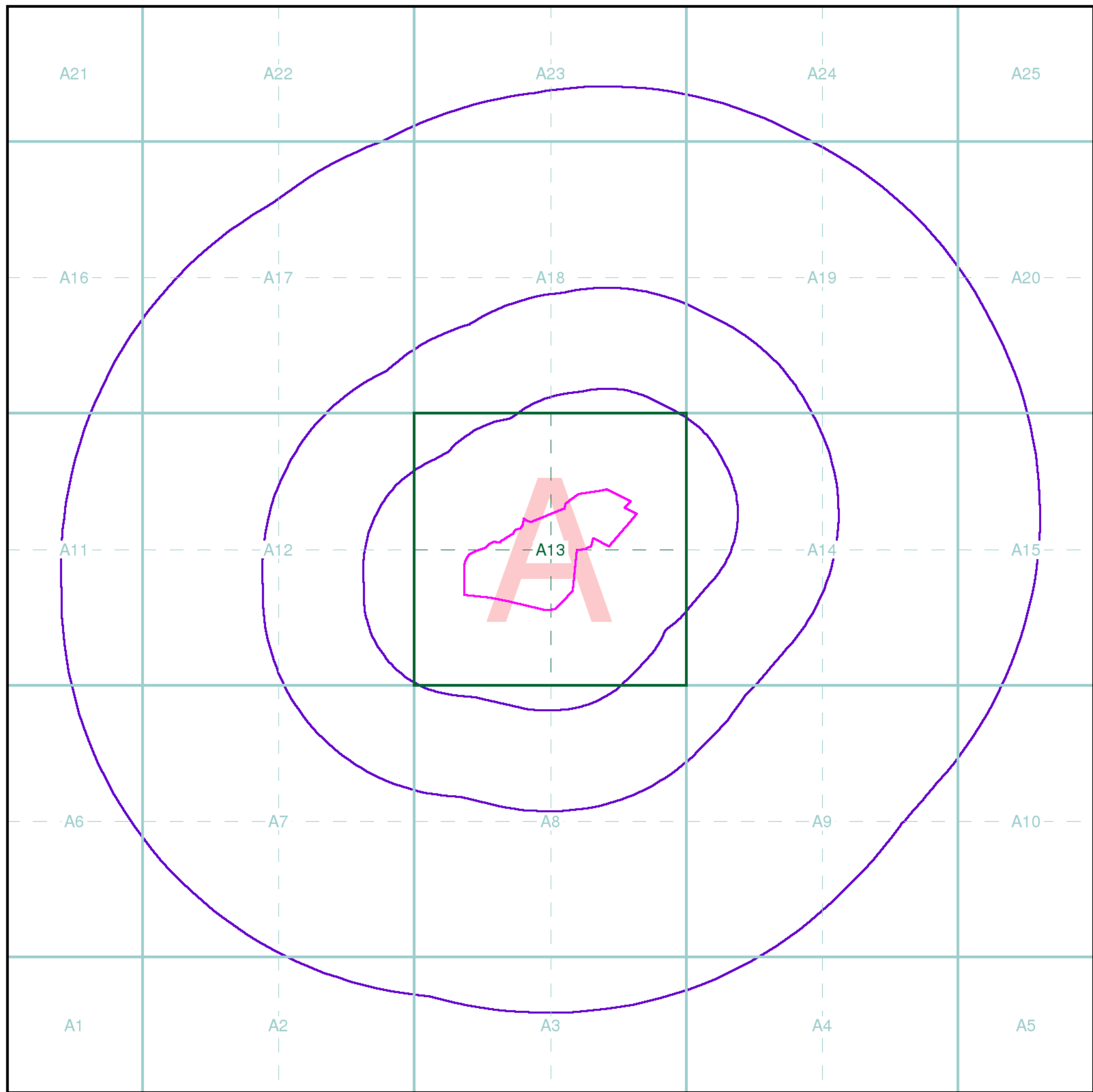
Carr Road, Deepcar, SHEFFIELD



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CHARTERED CONSULTING ENGINEERS

Index Map

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

Slice

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

Segment

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

Quadrant

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Mr J Race, ARP Geotechnical Ltd, Northwest House, 5-6
Northwest Business Park, Servia Hill, Leeds, LS6 2QH

Order Details

Order Number: 87409751_1_1
Customer Ref: HLT/09
National Grid Reference: 427720, 397460
Site Area (Ha): 6.59
Search Buffer (m): 1000

Site Details

Carr Road, Deepcar, SHEFFIELD

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



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