

GEO-ENVIRONMENTAL AUDIT

PHASE 1 Preliminary Risk Assessment

Residential Development
Land adjacent 19 Salley Street
Calderbrook
Littleborough
OL15 9NG

Author: Daniel Slattery
Client: Mr Tony Rollins
Reference: rep-tjba-rollins-salley st-phs 1-260721.docx

Revision	Date	Reason
0	July 2021	Original for Planning.
1	August 2024	Updated for recent planning application.

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1. INTRODUCTION

T. J. Booth Associates have been appointed by Mr Tony Rollins to undertake a Phase 1 Environmental Audit to support a planning application/building regulations application for residential development.

The Site comprises a vacant field in Calderbrook between No.19 Salley Street and Dean Hurst Farm.

Planning permission for a single detached residential dwelling is proposed.

This report provides a desk-based study & intrusive ground investigation based on current UK guidance for environmental investigation within the construction industry. Principal to the assessment is the potential for contamination pollutant linkages via the CLR-11 source-pathway-receptor methodology. Assessment of potential pollution linkages is primarily undertaken in strict accordance with BS5930:2015 BS 10175:2011+A2:2017 CIRIA C665 and BS 8485:2015+A1:2019 et al.

2. PROPOSED DEVELOPMENT

The Site/local area comprises part of the Roch Valley, and subsequently slopes down to the southeast.

The proposal is for a single detached crescent dwelling to be built into the slope, primarily buried into the hillside, with the nominally the southeast elevation exposed onto a central courtyard, complete with garage & stables.

The courtyard will have access from Salley Street to the southeast.

3. HISTORIC MAPS

DATE	ON-SITE	OFF-SITE/SURROUNDING AREA
c1851	Site comprises a vacant field, then part of a larger plot.	The Site is sandwiched between Salley Street immediately to the south-east & Calderbrook Road to the northwest. Dean Hurst farmhouse and terraced cottages each within nominally 25m are the closest development. Air shafts noted to the east & northeast serve the Summit Tunnel. There is much small-scale quarrying in the local area, nominally over 100m distant to the south, and some areas of filling most likely associated with quarrying 100m east and 150m north. The Rochdale Canal & River Roch are noted to the valley bottom nominally 250-300m east.
c1893	No change.	No change.
c1910	No change.	No change.
c1930	No change.	No change.
c1938	No change.	No change.
c1961	No change.	Tank noted nominally 30m northeast of the Site on the adjacent field, and to the lowest part of the Site adjacent the footpath to Calderbrook Road.
c1963-64	No change.	No change.
c1993	No change.	Tank to the northeast opposite Dean Hurst farmhouse now not shown, and newer outbuildings/sheds in its place. Quarries in the south of the area only noted by exposed rock outcrops.
c2000-20	Small sheds/pens noted on Site assumed to be for animal storage.	Only minor changes in the local area.

4. PRESENT DAY MAPS

Site Boundaries, Outlines of Structures and Buildings:	The Site is fenced off from the surrounding fields with a timber post and wire fence and comprises a stone wall to the south boundary. There are 3No. sheds nominally central to the Site, and juvenile self-seeded trees to the south perimeter. The surrounding land is primarily open fields used for agriculture.
Ground Contours, Natural Drainage Features:	Land falls to the southeast.
Water Courses:	Closest is the River Roch 250m distant.
Below Ground Obstructions:	None noted.

5. GEOLOGY

Bedrock Geology:	The Site is underlain by mudstone/siltstone of the Namurian Marsden Formation. The dip of the local strata is approximately 5-10deg southwest.
Superficial Geology:	BGS maps suggest there are no superficial deposits beneath the Site.
Coal Seams.	No coal seams are indicated within the local area.

6. BOREHOLES RECORDS

Several boreholes associated with the underground reservoir exist within nominally 50m of the northwest Site boundary.

The deepest & closest is named as BH No.2, SD 94353 18697, and was undertaken for the West Pennine Water Board in March 1973. The logs relate well to the Site being in close proximity, existing on the same strike plane, and within the same level range (219.00 – 226m aOD on Site); and recorded the following:

0m	233.40m aOD	Ground level at BH
0.3m	233.10m aOD	Topsoil
1.85m	231.55m aOD	Brown CLAY
5.2m	228.20m aOD	Soft material (no recovery)
7.15m	226.25m aOD	Highly weathered MUDSTONE
7.5m	225.90m aOD	COAL
9.15m	224.25m aOD	Highly weathered MUDSTONE
10.85m	222.55m aOD	Highly weathered SILTSTONE
11.50m	221.90m aOD	COAL
12.25m	221.15m aOD	Highly weathered SANDSTONE
12.85m	220.55m aOD	Moderately weathered SANDSTONE
17.65m	215.75m aOD	Slightly weathered MUDSTONE

7. PLANNING/OTHER DATA.

N/A.

8. LANDMARK ENVIRONMENTAL DATA

8.1. AGENCY & HYDROLOGICAL

Discharge consents:	No discharge consents within a 250m radius of the Site.
Pollution incidents to controlled waters:	2No. incidents within 250m, noted as: Pennine Trout Farm 55m south-west, Cat 3 minor incident; and Unknown Cat 3 incident to groundwater 86m southwest.
Water abstractions:	2No. abstractions to controlled waters within 250m, noted as: Springs at Wilmer's Farm 180m north-east.
Bedrock aquifer:	Secondary A Aquifer.
Superficial aquifer:	None.
Source protection zone:	The Site is not within a Source Protection Zone.

8.2. WASTE

BGS recorded landfill sites:	None noted within a 250m radius.
Historic landfill sites:	1 historic landfill site noted at Dene Hurst Farm 153m northeast.
Registered landfill sites:	None noted within a 250m radius.

8.3. HAZARDOUS SUBSTANCES

Planning hazardous substance consents:	No records within a 250m radius of the Site.
Planning hazardous substance enforcements:	No records within a 250m radius of the Site.

8.4. GEOLOGICAL

Mining Instability:	Within a coal mining area.
Potential for Collapsible Ground Stability Hazards:	Very low risk.
Potential for Compressible Ground Stability Hazards:	No hazard.
Potential for Ground Dissolution Stability Hazards:	No hazard.
Potential for Landslide Ground Stability Hazards:	Low risk.
Potential for Running Sand Ground Stability Hazards:	No hazard.
Potential for Shrinking or Swelling Clay Ground Stability Hazards:	Very low risk.
Radon Potential - Radon Affected Areas:	The property is within an intermediate probability area where 3-5% of homes are estimated to be above the action level.
Radon Potential - Radon Protection Measures:	Basic radon protection measures are required.

9. COAL AUTHORITY

Mine Shafts, Pits, Adits/Entries:	Closest entries to the Site are approximately 150m north.
Past Recorded Underground Mining.	No workings noted beneath the Site.

Present/Future Mining.	Underground	Not known to be a risk.
Unrecorded Shallow Workings:	Probable/Potential Underground	No potential or probable shallow underground workings noted beneath the Site.
Past/Present/Future Mining/Opencast:	Surface	None noted locally.
Mining and Subsidence:	Geology	No issues noted locally.
Hazards and Mine Gas:		No issues noted locally.
Development High Risk Area:		The Site is not within a Development High Risk Area.
Abandonment Plan Data:		Abandonment data not required.

10. INDUSTRY PROFILES

N/A.

11. SITE RECONNAISSANCE

Details of Existing Structures:	A Site inspection was undertaken on the 04.08.2021. The Site was enclosed by a dry-stone wall and timber post & mesh fencing to the southeast, southwest, and northwest sides. There was a farm gate at the east corner from the neighbouring agricultural sheds. The Site sloped up towards the northwest, in the order of approximately 6-7m. There is a grass verge between the south boundary (dry stone wall), and Calderbrook Road which contains a surface water drainage ditch flowing to the northeast. Local knowledge suggested there was a manhole and gully at the northeast end of the ditch which then discharges beneath the highway to the southeast. The Site itself was vacant apart from some timber sheds formerly used for animal husbandry (appeared to be dilapidated chicken coops). The general surface of the Site comprised grass covered virgin ground, which appeared to match the slope of the local topography. There was a small drainage ditch running through the centre of the Site from northwest to southeast. Marshes were abundant on the southeast areas suggesting waterlogged soils in wet seasons. There are juvenile trees to the verge at the bottom of the Site, generally Sycamore with some leylandii to the east corner. There is a local power transmission line at high level crossing the verge to the southeast boundary.
Adjacent Properties:	Dene Hurst Farm agricultural sheds and field immediately to the northeast, and further sheds/main farmhouse to the east across Salley Street/Calderbrook Road. Field with access track to the south adjacent to 19 Salley Street. The wider area comprises agricultural fields.

Water Levels, Directions of Flow and Rates in Rivers:	Only watercourse locally is the drainage ditch to the southeast within the road verge.
Old Mine or Quarry Workings:	None noted on Site.
Obvious/Immediate Hazards to Health/Safety:	None noted.
Areas of Discoloured Soil, Polluted Water, Vegetation, and Significant Odours:	None noted.
Relevant Ground Levels, Ground Water Levels, Positions of Wells and Springs:	The land rises to the northwest. There is approximately 6-7m between the southeast and northwest boundaries.

12. ENVIRONMENTAL SITE SUMMARY

12.1. Summary

The Site is part of agricultural land and has been since earliest mapping records. It is currently used for animal husbandry, pens etc. There has been no development identified on the Site throughout the mapping history records. However, farmland often has known to have periods of infilling.

Locally the primary use of land is for agricultural usage. The closest developments are Dean Hurst Farm in adjacent land and across Salley Street/Calderbrook Road, and some local residential cottages to the southwest. The adjacent sheds do contain asbestos cement sheet cladding which appears to be in good condition.

Historically the area has seen some local sandstone quarrying generally to the southwest and south, and there has been some minor filling to the east and northeast over the valley sides.

One of these filled areas is noted in the historic landfill data as Land at Dean Hurst Farm nominally 150m northwest of the Development Site boundary, although no data is given to what fill was deposited.

The 'Land at Dean Hurst Farm' historic landfill boundary is noted to exist on the 1850s map, and so is unlikely to be a municipal tip etc. It is also adjacent to both a quarry and a Summit Tunnel airshaft. In addition, there are areas of infill adjacent to quarries and each of the Summit Tunnel airshafts due to the waste material generated in construction – which would appear to have been tipped over the adjacent valley slope. These wastes are likely to be excavated rock & quarry waste, inert, and due to the method of deposition on the slope – preferential pathways to the Site will not exist.

There is no record of coal mining in the local area although there are some adits noted in the Coal Authority mapping to the north of the Site uphill. BGS mapping records do not show significant coal seams in the local area.

However, the BGS boreholes map indicates boreholes within close proximity to the Site which should be relatively accurate to onsite geology. The boreholes indicate coal seams within the development, but not beneath the foundation – so seams are likely to be encountered on excavation. There is a potential gas risk from these seams.

The Landmark Environmental data search report indicates the Site is at risk from radon and required protective measures in the development.

12.2. Potential Contaminants

CURRENT SOURCE/S	ORIGINAL ASSOCIATED USAGE	CONTAMINANT/S
Onsite upper soil/made ground	Potential infilling	Metals, PAH, sulphates, inorganics, asbestos.
Asbestos sheet roof	Adjacent land	Asbestos.
Coal seams	N/A	CO ₂ , CH ₄ gasses.
Radon	N/A	RN gas

12.3. Potential Pathways

PATHWAY	MEDIA
Soil and dust ingestion	Soil and indoor dust

Consumption of home-grown fruit and vegetables	Produce
Skin contact (indoors)	Indoor dust
Skin contact (outdoors)	Soil
Inhalation of dust (indoors)	Air
Inhalation of dust (outdoors)	Air
Vapours (indoors)	Air
Vapours (outdoors)	Air

12.4.Potential Receptors

Receptors mainly comprise workers in the construction phase, and residents for the proposed end use.

13. CONCEPTUAL MODEL

CURRENT SOURCE/S	ORIGINAL ASSOCIATED USAGE	CONTAMINANT TYPE	PATHWAY	RECEPTOR	POLLUTION LINKAGE	CONSEQUENCE	PROBABILITY	RISK
Site surface /sub soil.	Potential infilling. Asbestos roof sheet.	Chemical contamination metals, PAH, inorganics, asbestos, hydrocarbons.	Direct ingestion, aerial ingestion, dermal contact, drinking water. Contact with potential hazards.	Site construction operatives & future occupants. Site buildings.	PRESENT – Potential for made ground to comprise minor contamination which is likely to persist and may be above threshold allowed for a residential end use.	Medium.	Likely.	Moderate risk.
Geology - Carboniferous coal measures & ground gas.	Coal seams & radon sources.	CH ₄ , CO ₂ , Rn, other trace gases.	Diffusion through soil, substructures, aerial inhalation.	Future occupants. Explosion, suffocation.	PRESENT – Radon is noted to be a risk to the local area and the Landmark report indicated that basic protection measures are required.	Severe.	Likely.	High risk.
Anthropogenic ground gas from decomposing organic material.	Wastes deposited in historic landfill areas.	CH ₄ , CO ₂ , other trace gases.	No credible pathway. Landfills at higher level and against hydraulic gradients.	Future occupants. Explosion, suffocation.	NOT PRESENT – The only noted 'historic landfill' site is approximately 150m distant and was deposited over 170 years ago. The fill itself is likely to have been inert when first deposited and would pose little gas risk now. The area is relatively small and the method of deposition over the valley side means pathways are greater to the open air than towards the Development Site through consolidated clay geology.	Minor.	Unlikely.	Very low risk.
Contaminated ground /surface water. Controlled Waters.	Brownfield site – past development.	Chemical contamination.	Permeation through soil into ground water, local watercourses, or aquatic habitats.	Water supplies, watercourses, aquatic habitats & associated wildlife.	NOT PRESENT – No significant contaminants are expected within the Site and if contaminants are noted, these are likely to be minor and generally immobile.	Minor.	Unlikely.	Very low risk.
Aerial contaminants.	Local industrial activity.	Chemical contamination.	Dermal contact & aerial inhalation.	All site users / occupants.	POTENTIALLY PRESENT – Although there will have likely been very minor polluting activities historically in the wider area, these will now be recorded in pollutant linkage 1 in the upper ground profile. Current aerial contaminants are regulated and none were found locally.	Minor.	Unlikely.	Very low risk.

14. SITE INVESTIGATIONS

14.1. Investigation Design from Conceptual Model

N/A – Phase 1 PRA only.

14.2. Site Investigations

N/A – Phase 1 PRA only.

14.3. Soil Sampling Assessment

N/A – Phase 1 PRA only.

14.4. Gas Monitoring Assessment

No gas monitoring required.

15. SITE INVESTIGATION STRATEGY

15.1. Ground/Soil Contamination Risk

There is the potential on farmland for historically infilling which may have introduced contaminants into the upper soils, and asbestos sheet material may have been historically used on site and is noted as a roofing material on the neighbouring agricultural sheds. It would be prudent to characterise the soil suitability for the proposed end use and for Planning/Building Control purposes.

BS10175:2011+A1:2013 & R&D TECHNICAL REPORT P5-066/TR considers the upper 500mm is sufficient to categorise the ground profile for development with respect to:

- human/animal intake arising from ingestion and dermal contact
- potential for wind entrainment leading to inhalation (of contaminated soils and dusts)
- or deposition onto neighbouring land
- surface water run-off (e.g., due to flash flooding)
- uptake by shallow rooting plants (e.g., crops, ornamental and wild species)
- surface leaching to groundwater.

There is no definitive guidance on the number of samples required for soil representation in current guidance. However, R&D TECHNICAL REPORT P5-066/TR indicates that sample spacing should be between 10-25m for residential applications with wider sampling grids suitable for commercial/industrial.

Considering the proposed area, and without specific parts of the site for targeted sampling; nominally 2 samples across the site in a grid format representative of the upper 500mm of MADE GROUND would satisfy guidance criteria for sampling. Extra samples can be taken as required if a risk is found.

Soil samples should be tested for the following contaminant suites: metals, speciated PAH, inorganics & sulphates, SOM, and asbestos screening, and analysed against common threshold comparison data, specifically the Defra Category 4 Screening Levels (C4SLs) where available, then to the LQM/CIEH (S4ULs) thereafter.

15.2. Ground Gas Risk

Considering the report findings and conceptual model for the Site, there are risks from both radon and potentially from CO₂/CH₄ from worked coal seams.

However, local site investigations suggest it is unlikely that worked seams exist beneath the Site and instead will be located in the rear excavation face upon construction ground works. Any transmission of ground gas from this source will likely be through fissures in the coal seam itself.

However, the building is set to be built into the hillside, and thus will require a significant retaining structure which will need to be fully waterproofed.

BS 8485 requires the following scores for gas protection measures for Type A development (residential), a score of 3.5 for CS2, and 4.5 for CS3.

BS 8485 allows scores for waterproof structures, membranes and venting, and these should be incorporated to include for CS2 as a minimum to protect against water, carbon dioxide, methane, and radon ingress.

This exact specification of gas protection measures should be detailed in the Phase 2 Remediation Strategy.

15.3. Additional Notes

Before any further work is undertaken, this report should be submitted to and agreed by the Local Planning Authority Contaminated Land Department.

We trust that the above clear, but should you require further advice please contact the undersigned.

Signed.....

D S Slattery BSc (Hons).

T J Booth Associates.

Signed.....

T J Booth BSc (Hons), C. Eng. C. Env. MICE.

T J Booth Associates.

16. REFERENCES

BS5930:2015. Code of practice for site investigations.

BS 10175:2011+A2:2017. Investigation of potentially contaminated sites. Code of practice.

Environment Agency. 2005. Secondary Model Procedure for the Development of Appropriate Soil Sampling Strategies for Land Contamination. R&D Technical Report P5-066/TR.

CIRIA. Report C665.

CL:AIRE. 2012. Research Bulletin-RB17-A Pragmatic Approach to Ground Gas Risk Assessment.

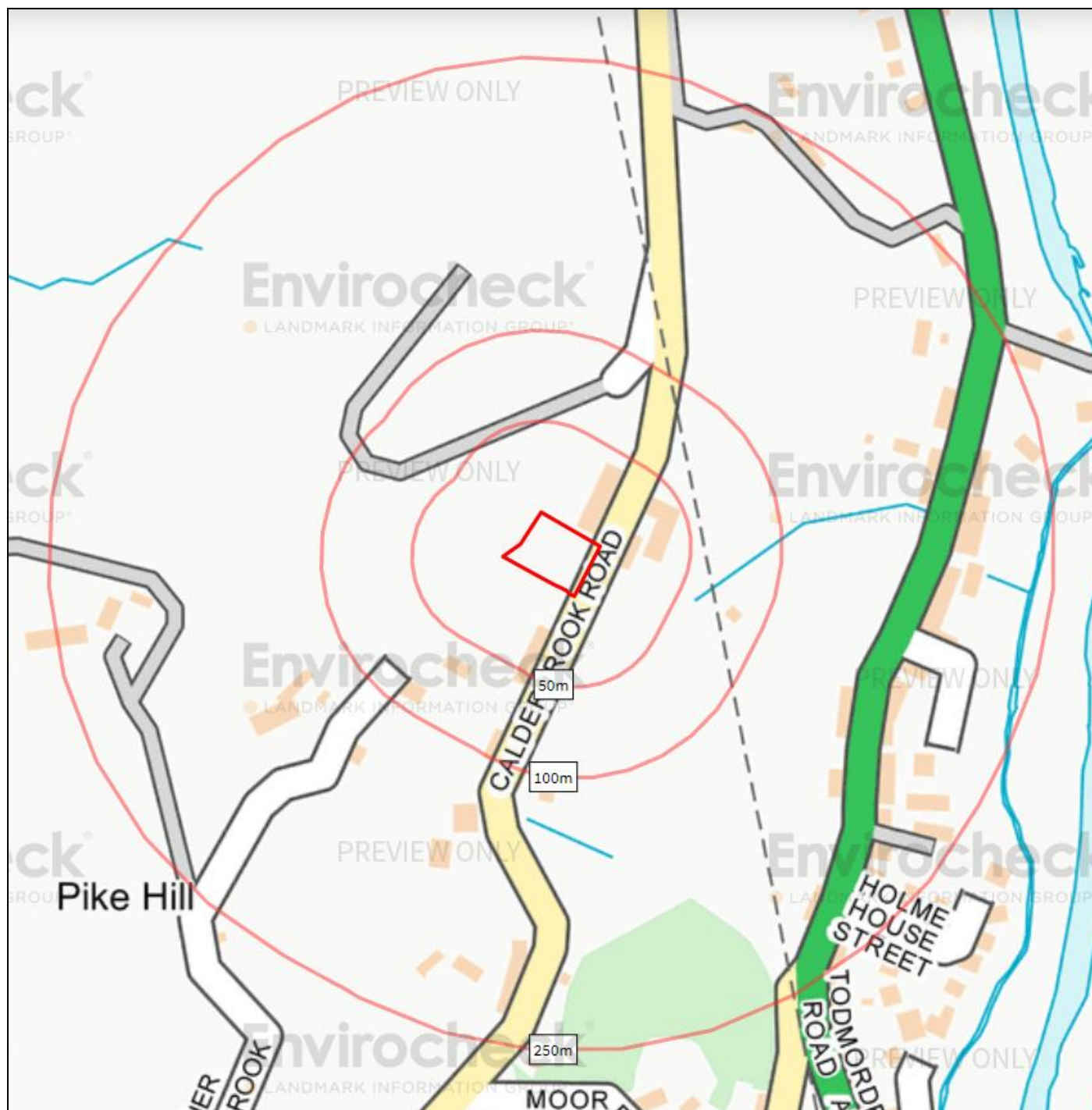
BS 8485:2015+A1:2019. Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings.

CIRIA. Report SP32.

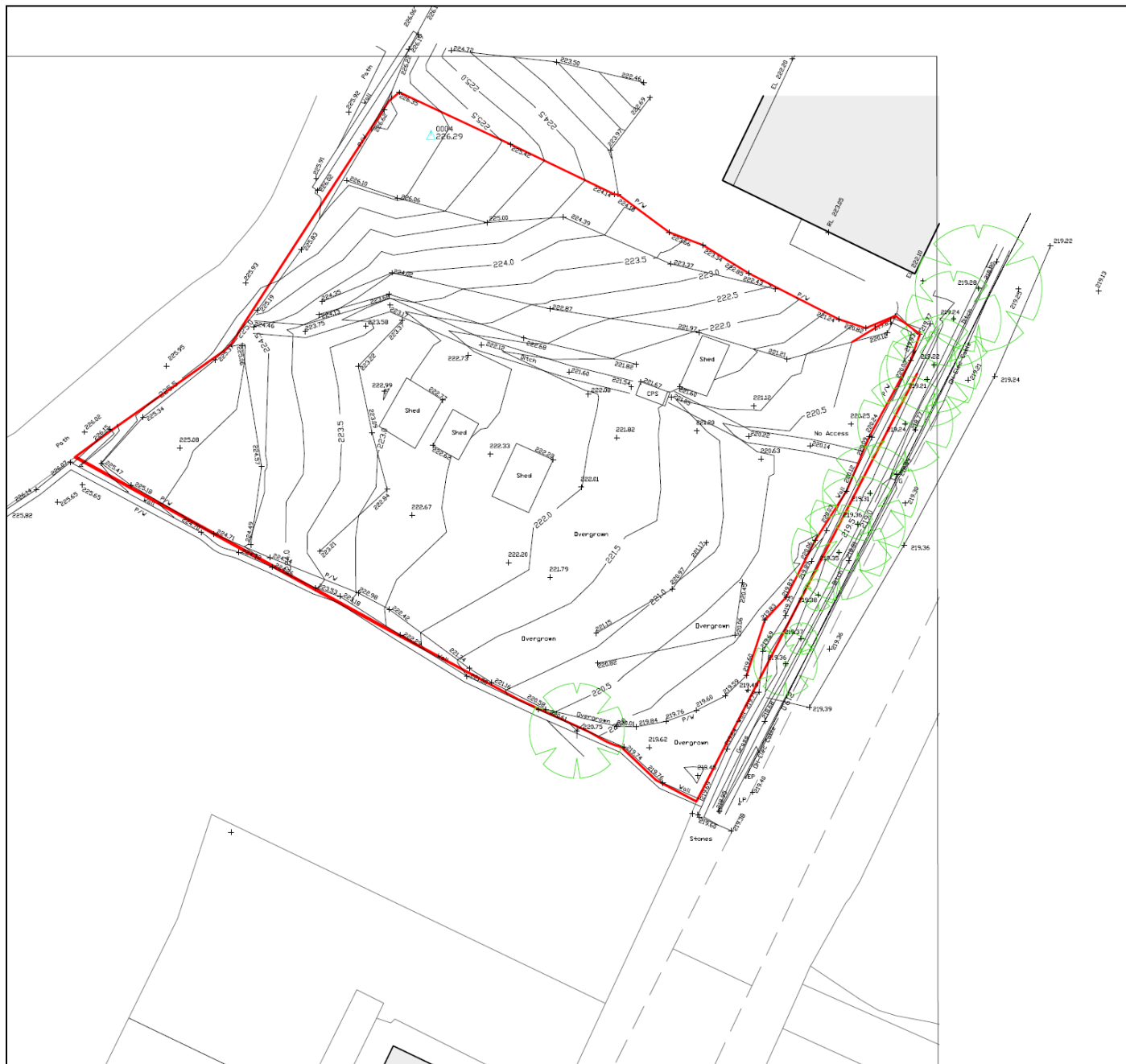
ICE Manual of Geotechnical Engineering Volume I. 2012.

17. APPENDIX A: FIGURES

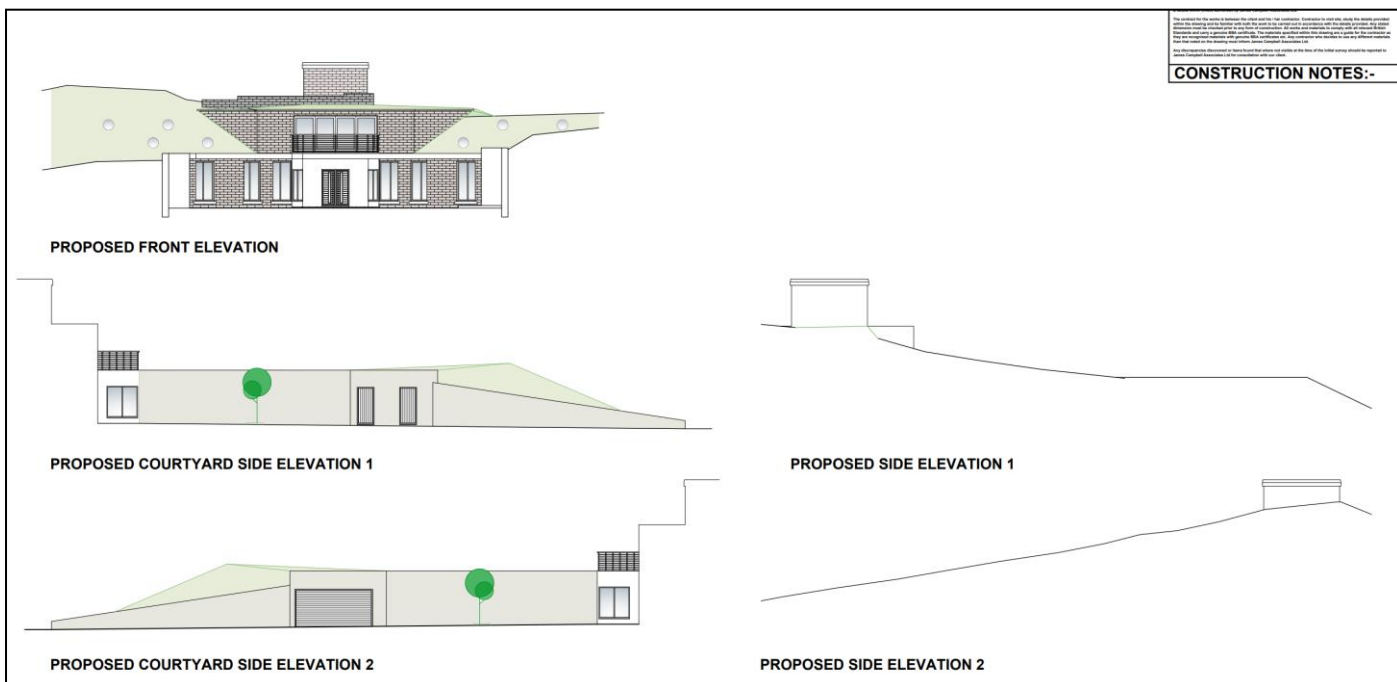
17.1. Location Plan



17.2.Ex Site Plan/Topographic Survey



17.3. Proposed Development





17.4.Existing Site Plan/Site Investigation Plan

N/A – Phase 1 PRA Only.

17.5.TJBA Soil Analysis

N/A – Phase 1 PRA Only.

17.6.Chemtest Ltd Soil Testing Certificates

N/A – Phase 1 PRA Only.

18. APPENDIX B: PHOTOS



Figure 1 – Photo to the north.



Figure 2 – Photo to the west.



Figure 3 – Photo to the southeast.



Figure 4 – Photo to the east.

19. APPENDIX C: ENVIROCHECK & GEOLOGICAL MAPS



Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (N)	288	1	394500 419000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (E)	304	1	394750 418703
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	317	1	394650 418450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	323	1	394700 418500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	323	1	394750 418600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	325	1	394400 419050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	325	1	394420 419050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	331	1	394350 419050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	331	1	394450 418350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	336	1	394750 418850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	343	1	394750 418550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	352	1	394700 418950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	354	1	394700 418450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	366	1	394750 418500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	371	1	394600 418350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	375	1	394400 419100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	380	1	394350 419100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	388	1	394700 418400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	393	1	394750 418450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	423	1	394750 419000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	425	1	394700 418350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SW (N)	425	1	394400 419150

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	A13NE (NE)	69	1	394500 418750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	86	1	394400 418600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	104	1	394550 418703
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	130	1	394420 418550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	155	1	394600 418700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	165	1	394600 418650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	175	1	394420 418900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	178	1	394450 418900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	180	1	394600 418800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	180	1	394420 418500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	193	1	394500 418500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (E)	205	1	394650 418700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	209	1	394300 418900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	211	1	394600 418850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	220	1	394550 418900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	228	1	394450 418950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	231	1	394650 418600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	241	1	394500 418950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	259	1	394550 418450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	275	1	394400 419000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	275	1	394420 419000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	277	1	394450 419000

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 44		2	4	10
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt	pg 46	1			
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest	pg 46			1	
Special Areas of Conservation	pg 46			1	
Special Protection Areas	pg 46			1	
World Heritage Sites					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 35		1		2
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage		1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites	pg 36				2
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	pg 37				4
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 38	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 38		1	7	18
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 42	Yes	n/a	n/a	n/a
Mining Instability	pg 42	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 42	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 42	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 42		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 42	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 43		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 43	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 43	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 43	Yes	n/a	n/a	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1		Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 3			2	
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 4				5
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 4		Yes		
Pollution Incidents to Controlled Waters	pg 5		2		13
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 7			3	1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 8				1
Water Abstractions	pg 8		2	2	4 (*17)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 14	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 14	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	pg 15		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 15		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 15		8	48	121

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Introduction

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

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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

282551114_1_1

Customer Reference:

tjba-rollins-salley st-landmark-260721

National Grid Reference:

394420, 418700

Slice:

A

Site Area (Ha):

0.13

Search Buffer (m):

1000

Site Details:

Land adjacent Salley Street

Calderbrook

Littleborough

OL15 9NA

Client Details:

Mr T Booth

TJ Booth Associates

20a Eastgate Street

Rochdale

Lancashire

OL16 1DH

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Useful Contacts

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S80 1BY	Telephone: 03708 508 508 Email: enquiries@environment-agency.gov.uk
3	Rochdale Metropolitan Borough Council - Environmental Health Department P O Box 32, Telegraph House, Ballie Street, Rochdale, Greater Manchester, OL16 1JH	Telephone: 01708 864139 Fax: 01708 864185 Website: www.rochdale.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanao Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Calderdale Metropolitan Borough Council - Environmental Health Northgate House, Northgate, Halifax, West Yorkshire, HX1 1UN	Telephone: 01422 357257 Fax: 01422 392238 Website: www.calderdale.gov.uk
7	Rochdale Metropolitan Borough Council Municipal Offices, Smith Street, Rochdale, Greater Manchester, OL16 1XG	Telephone: 01708 647474 Fax: 01708 59475 Website: www.rochdale.gov.uk
8	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 782 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
9	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
10	Rochdale Metropolitan Borough Council PO Box 15, Town Hall, Rochdale, Greater Manchester, OL16 1AB	Telephone: 01708 647474 Fax: 01708 59475 Website: www.rochdale.gov.uk
11	Calderdale Metropolitan Borough Council Crossley House, Crossley Street, Halifax, West Yorkshire, HX1 1TP	Telephone: 01422 357257 Fax: 01422 392238 Website: www.calderdale.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.

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Data Suppliers

A selection of organisations who provide data within this report

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

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	April 2021	Quarterly
Fuel Station Entries Catalist Ltd - Experian	June 2021	Quarterly
Gas Pipelines National Grid	May 2021	Annually
Underground Electrical Cables National Grid	May 2021	Annually
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt Calderdale Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	October 2020 October 2020 October 2020	Quarterly Quarterly Quarterly
Areas of Unadopted Green Belt Calderdale Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	October 2020 October 2020 October 2020	Quarterly Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	January 2021	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	Bi-Annually

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Calderdale Metropolitan Borough Council Lancashire County Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	February 2018 February 2018 February 2018 February 2018	Variable Variable Variable Variable
Planning Hazardous Substance Consents Calderdale Metropolitan Borough Council Lancashire County Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	February 2018 February 2018 February 2018 February 2018	Variable Variable Variable Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

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Data Currency

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	May 2021	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North East Region Environment Agency - North West Region	January 2009 January 2009	Not Applicable Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	April 2021 April 2021 April 2021 April 2021 April 2021	Quarterly Quarterly Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	April 2021 April 2021 April 2021 April 2021 April 2021	Quarterly Quarterly Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Calderdale Metropolitan Borough Council - Environmental Health Lancashire County Council - Waste Management Group Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Calderdale Metropolitan Borough Council - Environmental Health Lancashire County Council - Waste Management Group Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	October 2018 October 2018 October 2018 October 2018	
Registered Landfill Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	March 2006 March 2006 March 2006 March 2006 March 2006	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	April 2018 April 2018 April 2018 April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	June 2015 June 2015 June 2015 June 2015 June 2015	

Agency & Hydrological	Version	Update Cycle
Substantiated Pollution Incident Register		
Environment Agency - North East Region - Ridings Area	April 2021	Quarterly
Environment Agency - North East Region - Yorkshire Area	April 2021	Quarterly
Environment Agency - North West Region - Central Area	April 2021	Quarterly
Environment Agency - North West Region - North Area	April 2021	Quarterly
Environment Agency - North West Region - South Area	April 2021	Quarterly
Water Abstractions		
Environment Agency - North East Region	April 2021	Quarterly
Environment Agency - North West Region	April 2021	Quarterly
Water Industry Act Referrals		
Environment Agency - North East Region	October 2017	Quarterly
Environment Agency - North West Region	October 2017	Quarterly
Groundwater Vulnerability Map		
Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually
Source Protection Zones		
Environment Agency - Head Office	May 2021	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	March 2021	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	March 2021	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	March 2021	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	March 2021	Quarterly
Flood Defences		
Environment Agency - Head Office	March 2021	Quarterly
OS Water Network Lines		
Ordnance Survey	July 2021	Quarterly
BGS Groundwater Flooding Susceptibility		
British Geological Survey - National Geoscience Information Service	May 2013	Annually

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Environment Agency - Head Office	June 2020	Annually
Calderdale Metropolitan Borough Council - Environmental Health	October 2017	Annual Rolling Update
Rossendale Borough Council - Environmental Health Department	October 2017	Annual Rolling Update
Rochdale Metropolitan Borough Council - Environmental Health Department	October 2017	Annually
Discharge Consents		
Environment Agency - North East Region	April 2021	Quarterly
Environment Agency - North West Region	April 2021	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - North East Region	March 2013	
Environment Agency - North West Region	March 2013	
Integrated Pollution Controls		
Environment Agency - North East Region	January 2009	
Environment Agency - North West Region	January 2009	
Integrated Pollution Prevention And Control		
Environment Agency - North East Region	April 2021	Quarterly
Environment Agency - North West Region	April 2021	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Variable
Rossendale Borough Council - Environmental Health Department	May 2016	Variable
Calderdale Metropolitan Borough Council - Environmental Health	October 2014	Variable
Local Authority Pollution Prevention and Controls		
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Annual Rolling Update
Rossendale Borough Council - Environmental Health Department	May 2016	Annual Rolling Update
Calderdale Metropolitan Borough Council - Environmental Health	October 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Variable
Rossendale Borough Council - Environmental Health Department	May 2016	Variable
Calderdale Metropolitan Borough Council - Environmental Health	October 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	April 2021	
Pollution Incidents to Controlled Waters		
Environment Agency - North East Region	December 1998	
Environment Agency - North West Region	January 2000	
Prosecutions Relating to Authorised Processes		
Environment Agency - North East Region	July 2015	
Environment Agency - North West Region	July 2015	
Prosecutions Relating to Controlled Waters		
Environment Agency - North East Region	March 2013	
Environment Agency - North West Region	March 2013	
Registered Radioactive Substances		
Environment Agency - North East Region	June 2016	Annually
Environment Agency - North West Region	June 2016	Annually
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	April 2012	Annually
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	April 2012	Annually

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Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
242	Areas of Adopted Green Belt Authority: Rochdale Metropolitan Borough Council Plan Name: Rochdale Unitary Development Plan Status: Adopted Plan Date: 30th June 2006	A13SE (S)	0	10	394420 418703
243	Sites of Special Scientific Interest Name: South Pennine Moors Multiple Areas: Y Total Area (m2): 209444972.58 Source: Natural England Reference: 1007198 Designation Details: Scheduled Ancient Monument Designation Date: 26th September 1994 Date Type: Notified Designation Details: Environmentally Sensitive Area Designation Date: 26th September 1994 Date Type: Notified Designation Details: Geological Conservation Review Designation Date: 26th September 1994 Date Type: Notified Designation Details: National Trust Reserve Designation Date: 26th September 1994 Date Type: Notified Designation Details: Special Area Of Conservation Designation Date: 26th September 1994 Date Type: Notified Designation Details: Special Protection Area Designation Date: 26th September 1994 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 26th September 1994 Date Type: Notified Designation Details: Water Framework Directive (WFD) Designation Date: 26th September 1994 Date Type: Notified	A14NW (E)	452	9	394884 418819
244	Special Areas of Conservation Name: South Pennine Moors Multiple Areas: Y Total Area (m2): 860256000.49 Source: Natural England Reference: UK0030280 Status: Designated	A14NW (E)	452	9	394884 418819
245	Special Protection Areas Name: South Pennine Moors Phase 2 Multiple Areas: Y Total Area (m2): 209444973.03 Source: Natural England Reference: UK9007022 Designation Date: Not Supplied	A14NW (E)	452	9	394884 418819

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Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
238	Contemporary Trade Directory Entries Name: E K Motor Vehicle Location: Red Lees, Dean Head, Todmorden Road, Littleborough, OL15 9LZ Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	643	-	394469 419366
239	Contemporary Trade Directory Entries Name: Jutex (International) Ltd Location: Stansfield Mill, Calderbrook Rd, Littleborough, Lancashire, OL15 9NP Classification: Packaging & Wrapping Equipment & Supplies Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8NW (SW)	688	-	394102 418078
239	Contemporary Trade Directory Entries Name: 1st Choice Packaging Location: Stansfield Mill, Calderbrook Rd, Littleborough, Lancashire, OL15 9NP Classification: Packaging Materials Manufacturers & Suppliers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8NW (SW)	689	-	394102 418075
240	Contemporary Trade Directory Entries Name: Fothergill Crenette Ltd Location: Greenvale Mill, Summit, Littleborough, Lancashire, OL15 9QP Classification: Textile Manufacturing Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	709	-	394682 418017
241	Contemporary Trade Directory Entries Name: Fothergill Engineered Fabrics Ltd Location: Summit, Littleborough, Lancashire, OL15 9LR Classification: Glass Fibre Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	855	-	394678 417882

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
233	Contemporary Trade Directory Entries Name: Teamprint Location: 11, Salley Street, Littleborough, Lancashire, OL15 9NG Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	48	-	394405 418641
234	Contemporary Trade Directory Entries Name: Sb Cleaning Location: 70, Summit, Littleborough, Lancashire, OL15 9QX Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	218	-	394604 418547
235	Contemporary Trade Directory Entries Name: Prospect Knitting Co Location: 20, Summit, Littleborough, Lancashire, OL15 9QW Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	372	-	394614 418356
236	Contemporary Trade Directory Entries Name: Rapid European Solutions Location: Sladen Wood Mill, Todmorden Road, Littleborough, Lancashire, OL15 9EW Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (SE)	469	-	394652 418267
236	Contemporary Trade Directory Entries Name: Walsden Printing Co Location: Sladen Wood Mill, Todmorden Road, Littleborough, Lancashire, OL15 9EW Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	469	-	394652 418267
236	Contemporary Trade Directory Entries Name: Drury Adams Ltd Location: Sladen Wood Mill, Todmorden Road, LITTLEBOROUGH, Lancashire, OL15 9EW Classification: Soft Furnishings - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	469	-	394652 418267
237	Contemporary Trade Directory Entries Name: Rycal Ironmongers Location: Gale Joinery Works, Todmorden Road, Littleborough, Lancashire, OL15 9EW Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A8NE (S)	594	-	394583 418105
238	Contemporary Trade Directory Entries Name: R Rudge & Son Ltd Location: Red Lees, Dean Head, Todmorden Road, Littleborough, Lancashire, OL15 9LZ Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	641	-	394470 419364
238	Contemporary Trade Directory Entries Name: Rudge Transport Location: Red Lees Works, Dean Head, Todmorden Road, Littleborough, Lancashire, OL15 9LZ Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	643	-	394469 419366
238	Contemporary Trade Directory Entries Name: Black Bark Lip Location: Red Lees, Dean Head, Todmorden Road, Littleborough, OL15 9LZ Classification: Sawmills & Wood Shavings Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	643	-	394469 419366
238	Contemporary Trade Directory Entries Name: Lake Garage Location: Red Lees, Dean Head, Todmorden Road, Littleborough, OL15 9LZ Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	643	-	394469 419366

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	96	1	394511 418779
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	110	1	394383 418581
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	144	1	394580 418795
	Potential for Landslide Ground Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	162	1	394464 418879
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	197	1	394422 418822
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	221	1	394588 418878
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	226	1	394530 418919
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	394420 418703
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	226	1	394671 418689
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	394420 418703
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	96	1	394511 418779
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	110	1	394383 418581
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	200	1	394627 418791
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	394420 418703
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	394420 418703

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
230	BGS Recorded Mineral Sites Site Name: Long Lees Location: Summit, Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 9792 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Fletcher Bank Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	922	1	394805 419580
231	BGS Recorded Mineral Sites Site Name: Reddyshore Location: Walsden, Todmorden, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 98174 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Midgley Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NW (N)	927	1	394237 419635
232	BGS Recorded Mineral Sites Site Name: Long Lees Quarry Location: Summit, Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 7817 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Fletcher Bank Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19NW (N)	909	1	394780 419630
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SE (S)	0	8	394420 418703
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (S)	0	-	394420 418703
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	394420 418703
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	394420 418703
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	162	1	394484 418879
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	230	1	394668 418648
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	394420 418703
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	226	1	394671 418689
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	394420 418703
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	394420 418703

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
224	BGS Recorded Mineral Sites Site Name: Light Hazzles Quarry Location: Summit, Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 7818 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Fletcher Bank Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NE (N)	717	1	394695 419385
225	BGS Recorded Mineral Sites Site Name: Summit Quarries Location: Summit, Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 241286 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	727	1	394841 418079
226	BGS Recorded Mineral Sites Site Name: Chelburn Quarries Location: Calderbrook, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 242065 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NE (E)	741	1	395183 418779
227	BGS Recorded Mineral Sites Site Name: Timbercliffe Clay Pit Location: Calderbrook, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96225 Type: Opencast Status: Ceased Operator: Unknown Operator 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	A9NW (SE)	775	1	394989 418141
228	BGS Recorded Mineral Sites Site Name: Sladen Fold Location: Calderbrook, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96184 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SE (S)	796	1	394663 417918
229	BGS Recorded Mineral Sites Site Name: Light Hazzles Location: Summit, Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 11579 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Fletcher Bank Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NE (N)	817	1	394700 419490

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
218	BGS Recorded Mineral Sites Site Name: Rook Nook Quarries Location: Summit, Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 241285 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NE (S)	599	1	394574 418098
219	BGS Recorded Mineral Sites Site Name: Chelburn Quarries Location: Calderbrook, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96228 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Millstone Grit Group Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NW (E)	630	1	395039 418917
220	BGS Recorded Mineral Sites Site Name: Summit Quarries Location: Calderbrook, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96181 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	638	1	394799 418158
221	BGS Recorded Mineral Sites Site Name: Summit Quarries Location: Summit, Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15627 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	664	1	394743 418094
222	BGS Recorded Mineral Sites Site Name: Chelburn Quarries Location: Calderbrook, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 242064 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NE (E)	670	1	395101 418844
223	BGS Recorded Mineral Sites Site Name: Calderbrook Moor Location: Calderbrook, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96172 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Guiseley Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	707	1	393749 418992

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Geological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
212	BGS Recorded Mineral Sites Site Name: Pike Hill Quarry Location: Calderbrook, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 98180 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	462	1	394014 418437
213	BGS Recorded Mineral Sites Site Name: Rock Nook Quarries Location: Summit, Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15625 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NE (S)	492	1	394543 418201
214	BGS Recorded Mineral Sites Site Name: Summit Clay Pit Location: Calderbrook, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 98226 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Millstone Grit Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	492	1	394855 418429
215	BGS Recorded Mineral Sites Site Name: Chelburn Quarries Location: Calderbrook, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 242063 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Marsden Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NW (E)	556	1	394978 418866
216	BGS Recorded Mineral Sites Site Name: Calderbrook Moor Location: Calderbrook, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 98171 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Guiseley Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	578	1	393906 419012
217	BGS Recorded Mineral Sites Site Name: Long Hill Quarry Location: Calderbrook, Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 241295 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	583	1	393883 418420

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Millstone Grit Group [See Also Migr]	A13SE (S)	0	1	394420 418703
207	BGS Recorded Mineral Sites Site Name: Mawrode Farm Location: Calderbrook, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96182 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SE (S)	215	1	394429 418465
208	BGS Recorded Mineral Sites Site Name: Pike Hill Quarries Location: Calderbrook, Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15626 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	364	1	394094 418495
209	BGS Recorded Mineral Sites Site Name: Pike Hill Quarries Location: Calderbrook, Littleborough, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 241296 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	392	1	394120 418421
210	BGS Recorded Mineral Sites Site Name: Calderbrook Location: Calderbrook, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96183 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8NE (S)	392	1	394556 418308
211	BGS Recorded Mineral Sites Site Name: Summit Brick & Tile Works Location: Calderbrook, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96227 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Millstone Grit Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A14SW (E)	392	1	394836 418678

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Hazardous Substances

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
205	Planning Hazardous Substance Consents Name: Blagden Chemical Specialities Location: Red Lee Works, Dean Head, Todmorden Road, LITTLEBOROUGH, Lancashire, OL15 9LZ Authority: Rochdale Metropolitan Borough Council Application Ref: 99/D37048 Hazardous: Very toxic Substance: Maximum Quantity: 2.5 Application date: 3rd November 1999 Decision: Deemed Consent Granted Positional Accuracy: Automatically positioned to the address	A18SE (N)	641	7	394470 419364
205	Planning Hazardous Substance Consents Name: Blagden Chemical Specialities Location: Red Lees Works, Dean Head, Todmorden Road, LITTLEBOROUGH, Lancashire, OL15 9LZ Authority: Rochdale Metropolitan Borough Council Application Ref: 99/D37048 Hazardous: Toxic Substance: Maximum Quantity: 20 Application date: 3rd November 1999 Decision: Deemed Consent Granted Positional Accuracy: Automatically positioned to the address	A18SE (N)	641	7	394470 419364
205	Planning Hazardous Substance Consents Name: Blagden Chemical Specialities Location: Red Lees Works, Dean Head, Todmorden Road, LITTLEBOROUGH, Lancashire, OL15 9LZ Authority: Rochdale Metropolitan Borough Council Application Ref: 99/D37048 Hazardous: Dangerous for the environment (toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment) Substance: Maximum Quantity: 5 Application date: 3rd November 1999 Decision: Deemed Consent Granted Positional Accuracy: Automatically positioned to the address	A18SE (N)	641	7	394470 419364
206	Planning Hazardous Substance Consents Name: Blagden Chemical Specialities Location: Red Lees Works, Dean Head, Todmorden Road, Littleborough, Lancashire, OL15 9LZ Authority: Rochdale Metropolitan Borough Council Application Ref: 99/D37048 Hazardous: Dangerous for the environment (toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment) Substance: Maximum Quantity: 55 Application date: 3rd November 1999 Decision: Deemed Consent Granted Positional Accuracy: Manually positioned to the address or location	A18NE (N)	729	7	394422 419454

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Waste

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
203	Registered Landfill Sites Licence Holder: Rochdale M.B.C. Licence Reference: 00439/86/M1 Site Location: River Roch Valley, (Fothergill / Harvey), Littleborough, Lancashire Licence Easting: 394650 Licence Northing: 418130 Operator Location: Town Hall, ROCHDALE, Lancashire, OL16 1LQ Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st January 1987 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: Ceramic Materials Construction Ind. Wastes Glass Metals Similar Non Leachate Forming Materials Soil, Clay, Sand, Stone, Brick, Concrete, Slate Prohibited Waste: Animal Flesh Chemical Waste Of Any Nature Fibreglass Foodstuffs Liquid Wastes Paper/Cardboard Waste Plasterboard Plastics Sawdust Sludge Wastes Textiles Vegetable Matter Waste Forming Polluting Leachate Wood	A8NE (S)	592	2	394650 418130
204	Registered Landfill Sites Licence Holder: Rochdale M.B.C. Licence Reference: 00402/85/M1 Site Location: Fothergill & Harvey Site, Sladen Bridge, Littleborough, Lancashire Licence Easting: 394750 Licence Northing: 417850 Operator Location: 57/59 Drake Project, ROCHDALE, Lancashire, OL16 1SA Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st November 1985 Preceded By: 00178 Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction Industry Waste Metal Scrap Silt & Dredgings Tar, Pitch, Bitumen, Asphalts Tyres Waste Treated Timber	A8SE (S)	978	2	394719 417745

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Waste

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
200	Historical Landfill Sites Licence Holder: Not Supplied Location: Calderbrook Road, Littleborough, Greater Manchester Name: Denehurst Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15852 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: D094	A13NE (NE)	153	2	394491 418858
201	Historical Landfill Sites Licence Holder: Not Supplied Location: Forthergill and Harvey Name: River Roch Valley at Forthergill and Harvey Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD17885 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: WML/0439	A8NE (SE)	545	2	394685 418198
202	Historical Landfill Sites Licence Holder: Rochdale Metropolitan Borough Council Location: Littleborough, Rochdale Name: River Roch Valley at Forthergill and Harvey PLC Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15855 First Input Date: 31st December 1987 Last Input Date: 14th June 1988 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9341 BGS Ref: Not Supplied Other Ref: D031, RD/LIC/439/86	A8NE (S)	557	2	394641 418164
	Local Authority Landfill Coverage Name: Rochdale Metropolitan Borough Council - Has no landfill data to supply		0	3	394420 418703
	Local Authority Landfill Coverage Name: Calderdale Metropolitan Borough Council - Has supplied landfill data		647	6	394332 419387

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
192	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.4 Watercourse Level: Underground Permanent: True Watercourse Name: Owler Clough Catchment Name: Aire and Calder Primacy: 1	A18NE (N)	960	5	394513 419680
193	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Owler Clough Catchment Name: Aire and Calder Primacy: 1	A18NE (N)	962	5	394514 419682
194	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 462.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A19SE (NE)	966	5	394510 419388
195	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 93.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	966	5	393471 418416
196	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 2	A18NE (N)	968	5	394519 419688
197	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 184.3 Watercourse Level: Underground Permanent: True Watercourse Name: Owler Clough Catchment Name: Aire and Calder Primacy: 1	A18NE (N)	968	5	394519 419688
198	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 274.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A18NE (N)	974	5	394573 419686
199	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 2	A18NE (N)	982	5	394539 419699

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
183	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18NE (N)	935	5	394607 419640
184	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18NE (N)	935	5	394612 419639
185	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 315.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Solomon Cutting Catchment Name: Mersey Primacy: 1	A14NE (E)	936	5	395343 418974
186	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1126.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	936	5	395343 418974
187	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	946	5	393799 417985
188	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 392.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Rooh Catchment Name: Mersey Primacy: 1	A8SE (S)	948	5	394493 417734
189	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8SE (S)	948	5	394493 417734
190	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8SE (S)	951	5	394488 417731
191	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 120.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	957	5	393789 417980

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
174	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 238.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A8SE (S)	884	5	394640 417621
175	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Solomon Cutting Catchment Name: Mersey Primacy: 1	A14NE (E)	901	5	396310 418959
176	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 78.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8SE (S)	901	5	394485 417781
177	OS Water Network Lines Watercourse Form: Reservoir Watercourse Length: 273.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Higher Chelburn Reservoir Catchment Name: Mersey Primacy: 1	A14SE (E)	902	5	396323 418497
178	OS Water Network Lines Watercourse Form: Reservoir Watercourse Length: 88.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Higher Chelburn Reservoir Catchment Name: Mersey Primacy: 1	A14SE (E)	902	5	396323 418497
179	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	906	5	393850 417977
180	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A19NW (NE)	914	5	394950 419469
181	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 425.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A19NW (NE)	915	5	394937 419479
182	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 171.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A19NW (NE)	915	5	394993 419440

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
165	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A19NW (NE)	855	5	394851 419480
166	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 82.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A19NW (NE)	859	5	394859 419480
167	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 182.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18NE (N)	859	5	394738 419522
168	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 110.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A8SE (S)	859	5	394535 417827
169	OS Water Network Lines Watercourse Form: Lock or flight of locks Watercourse Length: 25.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A8SE (S)	859	5	394637 417848
170	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A14SE (E)	864	5	395309 418669
171	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A14SE (E)	866	5	395311 418669
172	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 133.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Solomon Cutting Catchment Name: Mersey Primacy: 1	A14SE (E)	867	5	395312 418670
173	OS Water Network Lines Watercourse Form: Reservoir Watercourse Length: 78.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Higher Chelburn Reservoir Catchment Name: Mersey Primacy: 1	A14SE (E)	878	5	395313 418575

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
156	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	842	5	394579 417851
157	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A8SE (S)	845	5	394550 417843
158	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	845	5	394550 417843
159	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: Underground Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A8SE (S)	847	5	394722 417885
160	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 71.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8SE (S)	850	5	394528 417838
161	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8SE (S)	850	5	394528 417838
162	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8SE (S)	853	5	394530 417833
163	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18NE (N)	854	5	394741 418514
164	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 255.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A8SE (S)	854	5	394728 417878

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
147	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A8SE (S)	808	5	394562 417883
148	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 330.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	810	5	394174 417912
149	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 10.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	812	5	395249 418593
150	OS Water Network Lines Watercourse Form: Transfer Watercourse Length: 73.1 Watercourse Level: On ground surface Permanent: False Watercourse Name: Higher Chelburn Reservoir Catchment Name: Mersey Primacy: 1	A14SE (E)	812	5	395250 418601
151	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 262.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Solomon Cutting Catchment Name: Mersey Primacy: 1	A14NE (E)	814	5	395253 418807
152	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 156.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Solomon Cutting Catchment Name: Mersey Primacy: 1	A14NE (E)	814	5	395256 418778
153	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 141.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	814	5	395253 418807
154	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 138.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A19NW (NE)	832	5	394778 419474
155	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 175.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	839	5	393648 418318

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
138	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 168.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	763	5	394233 417943
139	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 95.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8SE (S)	763	5	394588 417833
140	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.3 Watercourse Level: Underground Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A8SE (S)	769	5	394703 417961
141	OS Water Network Lines Watercourse Form: Transfer Watercourse Length: 68.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A8SE (S)	780	5	394702 417949
142	OS Water Network Lines Watercourse Form: Transfer Watercourse Length: 10.1 Watercourse Level: Underground Permanent: False Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	804	5	395241 418595
143	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	804	5	395241 418595
144	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 390.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A17SE (NW)	806	5	393892 419340
145	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A17SE (NW)	806	5	393892 419340
146	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 80.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8SE (S)	807	5	394558 417884

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18NE (N)	733	5	394485 419455
130	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 259.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	739	5	394564 417953
131	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	739	5	394572 417955
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	739	5	394572 417955
133	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 128.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A8SE (S)	740	5	394650 417973
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A8SE (S)	743	5	394579 417952
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A8SE (S)	757	5	394575 417937
136	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8SE (S)	757	5	394575 417937
137	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 5.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8SE (S)	759	5	394582 417938

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.4 Watercourse Level: Underground Permanent: True Watercourse Name: Owlter Clough Catchment Name: Aire and Calder Primacy: 1	A18NW (N)	669	5	394280 419381
121	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 89.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	677	5	393905 418233
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: Underground Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A8NE (SE)	678	5	394713 418063
123	OS Water Network Lines Watercourse Form: Transfer Watercourse Length: 98.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A8NE (SE)	682	5	394711 418058
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.9 Watercourse Level: suspendedOrElevated Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A8SE (S)	683	5	394621 418024
125	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A8SE (S)	701	5	394593 417998
126	OS Water Network Lines Watercourse Form: Lock or flight of locks Watercourse Length: 25.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A8SE (S)	717	5	394653 417998
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 80.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	729	5	395168 418614
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 180.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A14SE (E)	729	5	395168 418614

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.4 Watercourse Level: Underground Permanent: True Watercourse Name: Owler Clough Catchment Name: Aire and Calder Primacy: 1	A18NW (N)	657	5	394359 419380
112	OS Water Network Lines Watercourse Form: Transfer Watercourse Length: 31.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A8NE (SE)	657	5	394724 418082
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	658	5	394132 418085
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A7NE (SW)	661	5	393947 418213
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 417.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (S)	664	5	394235 418048
116	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 343.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Owler Clough Catchment Name: Aire and Calder Primacy: 1	A18NW (N)	665	5	394377 419389
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 284.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	667	5	393904 418247
118	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 14.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	667	5	393904 418247
119	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 13.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	668	5	393918 418232

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A8NE (S)	639	5	394647 418078
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 88.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Owlter Clough Catchment Name: Aire and Calder Primacy: 1	A18SW (N)	645	5	394330 419385
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	645	5	393949 418234
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A7NE (SW)	645	5	393949 418234
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	647	5	394131 418108
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: Underground Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A8NE (SE)	653	5	394726 418097
108	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 328.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A18SE (N)	655	5	394554 419385
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 708.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (W)	655	5	393757 418854
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 454.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18SW (N)	657	5	394238 419358

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93	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 85.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	610	5	394027 418214
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	613	5	394117 418154
95	OS Water Network Lines Watercourse Form: Lock or flight of locks Watercourse Length: 24.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A8NE (SE)	615	5	394681 418118
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (N)	616	5	394452 419340
97	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 31.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	619	5	394108 418152
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	620	5	394125 418141
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	630	5	394129 418128
100	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 99.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A8NE (SE)	635	5	394677 418085
101	OS Water Network Lines Watercourse Form: Transfer Watercourse Length: 22.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A8NE (SE)	636	5	394731 418119

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84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 97.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	550	5	394019 418298
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 82.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A7NE (SW)	550	5	394019 418298
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 218.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (E)	566	5	395008 418637
87	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 52.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A8NE (SE)	571	5	394687 418170
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.4 Watercourse Level: Underground Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A8NE (SE)	575	5	394718 418182
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	600	5	394038 418218
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	600	5	394038 418218
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	605	5	394040 418211
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 84.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	607	5	394040 418208

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75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SW (N)	471	5	394367 419194
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SW (N)	473	5	394374 419198
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (N)	477	5	394439 419202
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SW (N)	496	5	394413 419221
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (N)	511	5	394422 419238
80	OS Water Network Lines Watercourse Form: Reservoir Watercourse Length: 162.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Lower Chelburn Reservoir Catchment Name: Mersey Primacy: 1	A14SW (E)	515	5	394980 418984
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (N)	532	5	394430 419257
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 124.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (W)	533	5	393871 418805
83	OS Water Network Lines Watercourse Form: Lock or flight of locks Watercourse Length: 27.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A8NE (SE)	548	5	394690 418197

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66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	441	5	394883 418767
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SW (N)	443	5	394345 419163
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SW (NW)	446	5	394143 419080
69	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 100.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A8NE (SE)	458	5	394683 418297
70	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 15.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SW (NW)	459	5	394188 419125
71	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 13.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SW (NW)	462	5	394219 419144
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SW (NW)	464	5	394199 419137
73	OS Water Network Lines Watercourse Form: Transfer Watercourse Length: 131.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 2	A8NE (SE)	466	5	394718 418313
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	466	5	394718 418313

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57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 162.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (W)	391	5	394003 418720
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: Underground Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 1	A13SE (SE)	416	5	394718 418377
59	OS Water Network Lines Watercourse Form: Transfer Watercourse Length: 60.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 1	A13SE (SE)	418	5	394718 418374
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 236.1 Watercourse Level: Underground Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A8NE (SE)	420	5	394638 418314
61	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 7.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A18SW (N)	424	5	394370 419147
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 135.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SW (N)	427	5	394315 419141
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A18SW (N)	429	5	394364 419151
64	OS Water Network Lines Watercourse Form: Lock or flight of locks Watercourse Length: 25.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A8NE (SE)	436	5	394680 418322
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	441	5	394883 418787

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 39.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	338	5	394087 418844
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: Underground Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 2	A13NE (NE)	341	5	394748 418889
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 2	A13NE (NE)	346	5	394750 418872
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (SE)	359	5	394633 418383
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A13SE (SE)	360	5	394637 418384
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 991.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 2	A13NE (NE)	376	5	394742 418939
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 138.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	376	5	394028 418611
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 339.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	377	5	394035 418585
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 90.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	383	5	394811 418622

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: Underground Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A13NE (E)	308	5	394737 418805
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A13NE (E)	308	5	394737 418805
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A13NE (E)	312	5	394740 418807
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 2	A13NE (E)	315	5	394735 418831
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.2 Watercourse Level: Underground Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 2	A13NE (E)	315	5	394735 418831
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 89.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (E)	315	5	394742 418814
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (SE)	322	5	394625 418423
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	335	5	394100 418863
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A13SE (SE)	336	5	394638 418415

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A13SE (E)	239	5	394683 418681
31	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 101.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A13SE (E)	278	5	394720 418681
32	OS Water Network Lines Watercourse Form: Lock or flight of locks Watercourse Length: 26.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A13SE (E)	282	5	394718 418633
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.9 Watercourse Level: Underground Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A13NE (E)	287	5	394725 418774
34	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 289.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A13SE (E)	290	5	394717 418608
35	OS Water Network Lines Watercourse Form: Transfer Watercourse Length: 379.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Canal Drain Catchment Name: Mersey Primacy: 1	A13SE (E)	291	5	394732 418655
36	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 88.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A13NE (E)	293	5	394737 418732
37	OS Water Network Lines Watercourse Form: Lock or flight of locks Watercourse Length: 24.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A13NE (NE)	295	5	394710 418839
38	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 550.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A13NE (NE)	295	5	394710 418839

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	230	2	394640 418582
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	242	2	394654 418582
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 154.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (E)	61	5	394499 418677
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 143.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (S)	126	5	394388 418561
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 205.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (S)	146	5	394453 418536
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (E)	186	5	394630 418725
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (E)	214	5	394659 418691
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 141.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	236	5	394228 418870
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 281.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A13SE (E)	238	5	394677 418651

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Littleborough Angling Society Licence Number: 2569001244 Permit Version: 100 Location: Long Clough Brook, Littleborough Authority: Environment Agency, North West Region Abstraction: Amenity: Make-Up Or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Croft Head Reservoir, Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th July 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A1NE (SW)	1700	2	393300 417400
	Water Abstractions Operator: Walsden Printing Co Ltd Licence Number: 2569002240 Permit Version: Not Supplied Location: Town House Brook , And Gale House Reservoir , Overflow At, LITTLEBOROUGH Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 455 Yearly Rate (m3): 104560 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	A2SE (S)	1702	2	393800 417100
	Water Abstractions Operator: Courtaulds Advanced Materials Licence Number: 2569002198 Permit Version: Not Supplied Location: Longclough Brook, Gale Mill, LITTLEBOROUGH Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 2 Yearly Rate (m3): 588 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A1NE (SW)	1766	2	393200 417400
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13SE (S)	0	4	394420 418703
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (S)	0	4	394420 418703
	Superficial Aquifer Designations No Data Available				

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Walsden Printing Co Ltd Licence Number: 2569002240 Permit Version: 100 Location: Town House Brook And Gale House Reservoir Overflow At Li Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 455 Yearly Rate (m3): 104560 Details: Land At Gale Mill, Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th December 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2SE (S)	1637	2	383800 417170
	Water Abstractions Operator: Todmorden Anglers Society Licence Number: 2569002271 Permit Version: 5 Location: Long Clough Brook, Littleborough Authority: Environment Agency, North West Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: At Croft Head Reservoir, Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th December 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A1NE (SW)	1700	2	383300 417400
	Water Abstractions Operator: Mr R Barber Licence Number: 2569002271 Permit Version: 4 Location: Long Clough Brook, Littleborough Authority: Environment Agency, North West Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: At Croft Head Reservoir, Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd January 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A1NE (SW)	1700	2	383300 417400
	Water Abstractions Operator: R Barber Licence Number: 2569002271 Permit Version: 3 Location: Long Clough Brook, Littleborough Authority: Environment Agency, North West Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: At Croft Head Reservoir, Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A1NE (SW)	1700	2	383300 417400

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Alderburgh Ltd Licence Number: 2569002039 Permit Version: 100 Location: Reservoirs X 2 Fed By Surface Drainage Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (SE)	1378	2	395400 417700
	Water Abstractions Operator: Mr E Harrison Licence Number: 2569002062 Permit Version: 100 Location: Brick Lined Catchpit At Higher Gale, Gale, Littleborough Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 3 Yearly Rate (m3): 996 Details: Lower Town House Farm, Gale Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th February 1986 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SW (S)	1420	2	394100 417300
	Water Abstractions Operator: Walsden Printing Co Ltd Licence Number: 2569002240 Permit Version: 100 Location: Town House Brook And Gale House Reservoir Overflow \$111 Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Land At Gale Mill, Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th December 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SW (S)	1505	2	394110 417210
	Water Abstractions Operator: Harold Howarth Licence Number: 2569002215 Permit Version: 100 Location: Catchpit At Higher Gale, Gale, Near Littleborough Authority: Environment Agency, North West Region Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 45 Yearly Rate (m3): 1659 Details: Premises At Gale, Nr Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th February 1974 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A2SE (S)	1542	2	394000 417200

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Alderburgh Ltd Licence Number: 2569002039 Permit Version: 100 Location: Reservoirs X 2 Fed By Surface Drainage Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	1309	2	395300 417700
	Water Abstractions Operator: Alderburgh Limited Licence Number: 2569002085 Permit Version: Not Supplied Location: Reservoir Fed By Surface Drainage, LITTLEBOROUGH, Lancashire Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Manufacturing Abstraction Type: Not Supplied Source: River Daily Rate (m3): 68 Yearly Rate (m3): 18752 Details: Additional Purpose: Boiler feed; Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A4NE (SE)	1358	2	395100 417500
	Water Abstractions Operator: Alderburgh Ltd Licence Number: 2569002039 Permit Version: 100 Location: Reservoirs X 2 Fed By Surface Drainage Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Premises At Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A9SE (SE)	1378	2	395400 417700
	Water Abstractions Operator: Alderburgh Ltd Licence Number: 2569002039 Permit Version: 100 Location: Reservoirs X 2 Fed By Surface Drainage Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	1378	2	395400 417700

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	Water Abstractions Operator: Rudge Storage & Distribution Licence Number: 2/27/12/163 Permit Version: 101 Location: Spring - Millstone Grit-Littleborough Authority: Environment Agency, North East Region Abstraction: Chemicals: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Red Lees Works, Littleborough, Lancs Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18NW (N)	675	2	394400 419400
22	Water Abstractions Operator: Blagden Campbell Chemicals Ltd Licence Number: 2/27/12/163 Permit Version: 100 Location: Spring - Millstone Grit - Littleborough Authority: Environment Agency, North East Region Abstraction: Chemicals: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 36 Yearly Rate (m3): 9082 Details: Red Lees Chemical Works, Littleborough, Lancs Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th January 1985 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18NW (N)	675	2	394400 419400
	Water Abstractions Operator: Alderburgh Ltd Licence Number: 2569002039 Permit Version: 100 Location: Reservoirs X 2 Fed By Surface Drainage Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 1138 Yearly Rate (m3): 181840 Details: Premises At Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A9SE (SE)	1309	2	395300 417700
	Water Abstractions Operator: Alderburgh Ltd Licence Number: 2569002039 Permit Version: 100 Location: Reservoirs X 2 Fed By Surface Drainage Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	1309	2	395300 417700

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	Water Abstractions Operator: Courtaulds Advanced Materials (Holdings)Limited Licence Number: 111 Permit Version: Not Supplied Location: Premises, LITTLEBOROUGH, Lancashire Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Reservoir/Pond Daily Rate (m3): 104000 Yearly Rate (m3): 29560000 Details: Reservoir Fed By Surface Drainage; Status: Revoked; Lapsed Or Cancelled Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	388	2	394700 418400
20	Water Abstractions Operator: Courtaulds Advanced Materials Licence Number: 2569002004 Permit Version: Not Supplied Location: Reservoir Fed By Surface Drainage, LITTLEBOROUGH, Lancashire Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: River Daily Rate (m3): 104 Yearly Rate (m3): 29560 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	392	2	394700 418395
21	Water Abstractions Operator: Calderbrook Jute Co Licence Number: 2569002234 Permit Version: 100 Location: Mill Reservoir At Calderbrook, Littleborough Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 38 Yearly Rate (m3): 18184 Details: Land At Stansfield Mill, Littleboro Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th November 1988 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8NW (SW)	688	2	394100 418100
22	Water Abstractions Operator: Gb Services Licence Number: 2/27/12/163 Permit Version: 102 Location: Spring - Millstone Grit-Littleborough Authority: Environment Agency, North East Region Abstraction: Chemicals: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Red Lees Works, Littleborough, Lancs Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th May 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18NW (N)	675	2	394400 419400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Roch GQA Grade: River Quality B Reach: Summit To Akzo Chemie Estimated Distance (km): 3.3 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	A8NE (SE)	489	2	394755 418314
	River Quality Name: Walsden_Water GQA Grade: River Quality B Reach: Calderbrook_Moor_Ramsden_Cloud Estimated Distance (km): 2.6 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A18NE (N)	961	2	394620 419664
17	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, South Area Incident Date: 28th May 2012 Incident Reference: 965285 Water Impact: Category 2 - Significant Incident Air Impact: Category 3 - Minor Incident Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Contaminated Water: Firefighting Run-Off Pollutant: Organic Chemicals/Products: Hydrocarbons Pollutant: Organic Chemicals : Solvent Based	A8SW (S)	714	2	394154 418023
18	Water Abstractions Operator: E T Rigg Licence Number: 2569002158 Permit Version: 100 Location: Springs (2) At Wilmers Farm, Littleborough Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Wilmers Farm, Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	180	2	394600 418800
19	Water Abstractions Operator: E T Rigg Licence Number: 2569002158 Permit Version: 100 Location: Springs (2) At Wilmers Farm, Littleborough Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 0 Yearly Rate (m3): 166 Details: Wilmers Farm, Littleborough Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NE (N)	195	2	394600 418800

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Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Grove Village Authority: Environment Agency, North West Region Pollutant: Chemicals - Detergents/Surfactant Note: River Roch Turned White With Soap Suds Incident Date: 30th November 1998 Incident Reference: SO982066 Catchment Area: Roch Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	986	2	394400 417695
16	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Grove Lodge Incident Date: 1st May 1995 Incident Reference: 95620975 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Poor Operational Practice Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	983	2	394500 417700
16	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Chemicals - Detergents/Surfactant Note: Grove Lodge; Detergent Incident Date: 11th April 1996 Incident Reference: 96620891 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	988	2	394500 417695
16	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Grove Lodge; No Pollution Found Incident Date: 2nd November 1995 Incident Reference: 95622692 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	988	2	394505 417695
	River Quality Name: Rochdale Canal GQA Grade: River Quality B Reach: Qsl At Summit To Empress Processing Estimated Distance (km): 27.6 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A14NW (E)	322	2	394765 418746
	River Quality Name: Roch GQA Grade: River Quality A Reach: Qsl At Chelburn Resvr. Trib To Summit Estimated Distance (km): 1.5 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A14SW (SE)	459	2	394842 418473

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Tributary River Roch; No Pollution Found Incident Date: 30th September 1995 Incident Reference: 95622432 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	881	2	394400 417800
12	Pollution Incidents to Controlled Waters Property Type: WSC Sewage, Sewerage & Supply: Anglian Water Limited Location: River Roch, Off Todmorden Road, Near Rochdale Council Estate, Greater Manchester Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 24th September 1999 Incident Reference: 32753 Catchment Area: Roch Receiving Water: River Stretch (Freshwater) Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	886	2	394400 417795
13	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected; Foam Reported Incident Date: 10th April 1996 Incident Reference: 95620731 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	883	2	394500 417800
14	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Ludgate Brook Incident Date: 21st March 1995 Incident Reference: 95620575 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	896	2	394600 417800
14	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Colour Note: Luzley Brook; Textile Effluent Incident Date: 21st May 1996 Incident Reference: 95621105 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	901	2	394600 417795
15	Pollution Incidents to Controlled Waters Property Type: Connection To Surface Drains Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: River Roch Incident Date: 18th August 1994 Incident Reference: 94621870 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	981	2	394400 417700

Order Number: 282551114_1_1

Date: 26-Jul-2021

rpr_ec_datasheet v53.0

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Pollution Incidents to Controlled Waters Property Type: Fishing: Fish Farm (Fresh Water) Location: Penine Trout Farm, Kelderbrook Road, LITTLEBOROUGH, Greater Manchester Authority: Environment Agency, North West Region Pollutant: Inert : Sand-stones Note: Not Supplied Incident Date: 21st April 1999 Incident Reference: 29474 Catchment Area: Roch Receiving Water: River Stretch (Freshwater) Cause of Incident: Drainage Failures : Rural Land Run-Off Incident Severity: Category 3 - Minor Incident Positional Accuracy: Manually positioned to the road within the address or location	A13SW (SW)	55	2	394351 418667
8	Pollution Incidents to Controlled Waters Property Type: Boats/Ships Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Found Incident Date: 13th October 1994 Incident Reference: 94622276 Catchment Area: Roch Receiving Water: Groundwater Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (S)	86	2	394400 418600
9	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Gas Oil Note: River Roch Incident Date: 7th June 1995 Incident Reference: 95621360 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Vandalism Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	509	2	394600 418200
10	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Gas Oil Note: River Roch Incident Date: 30th March 1995 Incident Reference: 95620658 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Vandalism Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	684	2	394500 418000
11	Pollution Incidents to Controlled Waters Property Type: Other Premises Location: Penine Trout Farm, Calderbrook Road, LITTLEBOROUGH, Greater Manchester Authority: Environment Agency, North West Region Pollutant: Inert : Sands Note: Not Supplied Incident Date: 24th November 1999 Incident Reference: 34198 Catchment Area: Roch Receiving Water: River Stretch (Freshwater) Cause of Incident: Climatic Conditions : Localised High Rainfall Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	716	2	393800 418300

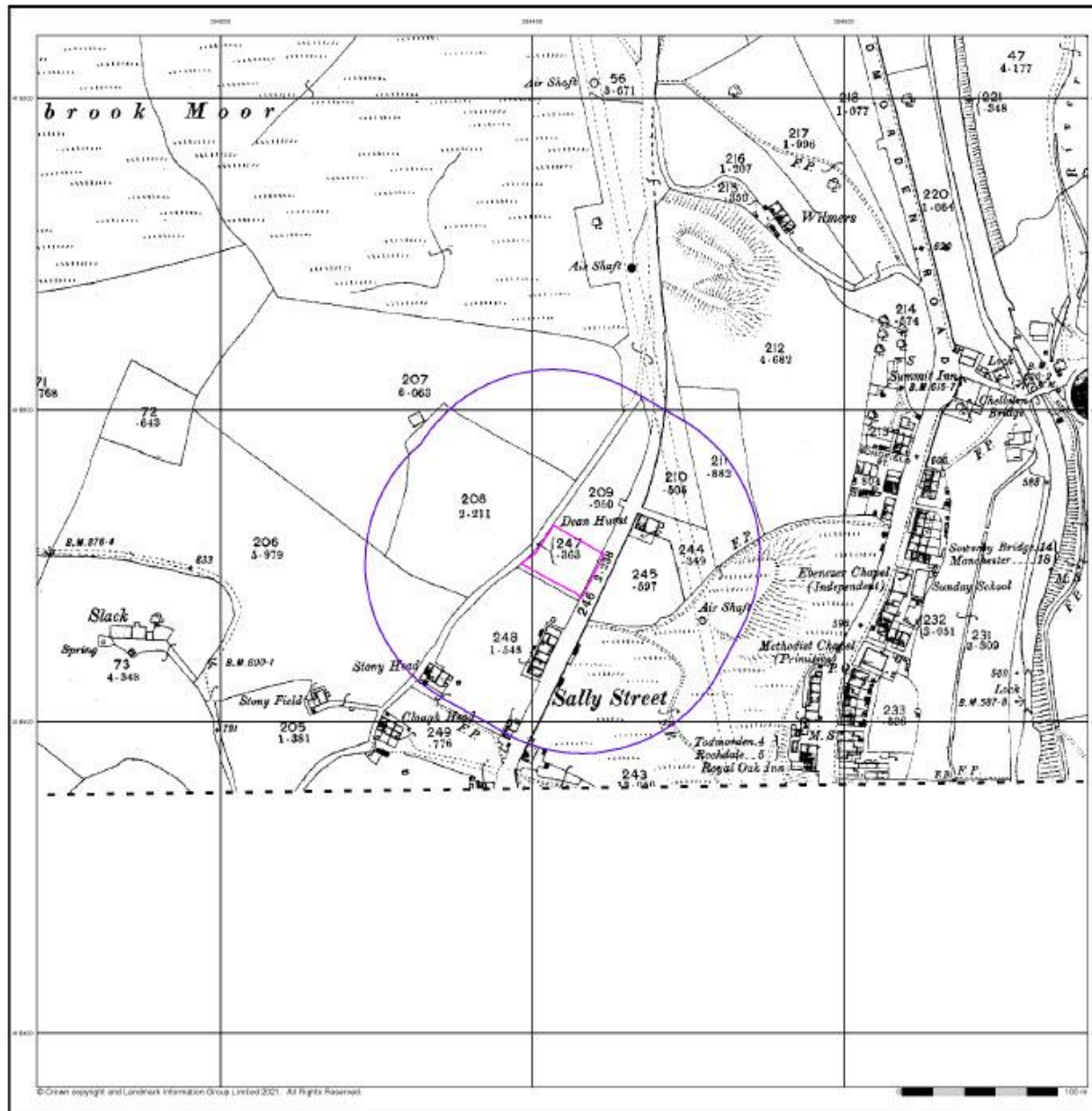
Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Prosecutions Relating to Controlled Waters Location: Red Lees Chemical Works, Todmorden Road, LITTLEBOROUGH, Lancashire, OL15 9NA Prosecution Text: EA News Release 03/08/1998, Pollution of Walsden Water after a chemical discharge, namely caustic soda. The caustic liquid was flowing from the chemicals loading platform. Prosecution Act: WRA91 Hearing Date: 3rd June 1998 Verdict: Guilty Fine: 5000 Cost: 2240 Positional Accuracy: Manually positioned within the geographical locality	A18NE (N)	711	2	394445 419436
3	Local Authority Pollution Prevention and Controls Name: Multiroof Building Products Ltd Location: Stansfield Mill, Rochdale, OL15 9NP Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 114/07 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/42 Bitumen and tar processes Status: Authorised Positional Accuracy: Manually positioned to the address or location	A8NW (S)	702	3	394160 418033
3	Local Authority Pollution Prevention and Controls Name: Calderbrook Sheathing Co Location: Stansfield Mill, Calderbrook Road, LITTLEBOROUGH, Lancashire, OL15 9NP Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 65/06 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/42 Bitumen and tar processes Status: Authorised Positional Accuracy: Manually positioned to the address or location	A8SW (S)	714	3	394154 418023
4	Local Authority Pollution Prevention and Controls Name: Light Hazzles Bait Farm Location: Light Hazzles Farm, Todmorden Road, LITTLEBOROUGH, Lancashire, OL15 9LY Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/1 Animal by-product rendering Status: Authorisation revoked Positional Accuracy: Manually positioned to the address or location	A18SW (NE)	830	3	395038 418290
5	Local Authority Pollution Prevention and Controls Name: Tygallor Ltd Location: Todmorden Road, Summit, LITTLEBOROUGH, Lancashire, OL15 0LT Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 31 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/8 Textile and fabric coating of finishing processes Status: Authorised Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	884	3	394431 417796
6	Local Authority Pollution Prevention and Controls Name: C Smith & Sons Location: Staden Fold Farm, Lightowlers Lane, Summit, LITTLEBOROUGH, Lancashire, OL15 0LP Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 70/08 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG3/16 Mobile screening and crushing processes Status: Authorised Positional Accuracy: Automatically positioned to the address	A8SW (SE)	935	3	394891 417888
	Nearest Surface Water Feature	A13SE (E)	61	-	394499 418677

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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	A18SE (N)	425	1	394420 419150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	429	1	394350 419150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	448	1	394850 418900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	456	1	394900 418750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	460	1	394800 419000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	464	1	394900 418800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	465	1	394700 418300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	467	1	394900 418600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	472	1	394850 418950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	475	1	394400 419200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SW (N)	479	1	394350 419200
1	Discharge Consents Operator: Mr Clinton Taylor Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Harlock Cottage, Off Todmorden Road Summit, Littleborough, Lancs, OL15 9qx Authority: Environment Agency, North West Region Catchment Area: Roch Reference: 016993931 Permit Version: 1 Effective Date: 1st May 2007 Issued Date: 1st May 2007 Revocation Date: 31st May 2007 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: The River Roch Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	335	2	394742 418863
1	Discharge Consents Operator: Mr Clinton Taylor Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Harlock Cottage, Off Todmorden Road Summit, Littleborough, Lancs, OL15 9qx Authority: Environment Agency, North West Region Catchment Area: Roch Reference: 016993931 Permit Version: 2 Effective Date: 1st June 2007 Issued Date: 1st May 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: The River Roch Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	335	2	394742 418863



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Yorkshire

Published 1894

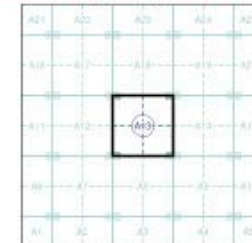
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1886 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 1850, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

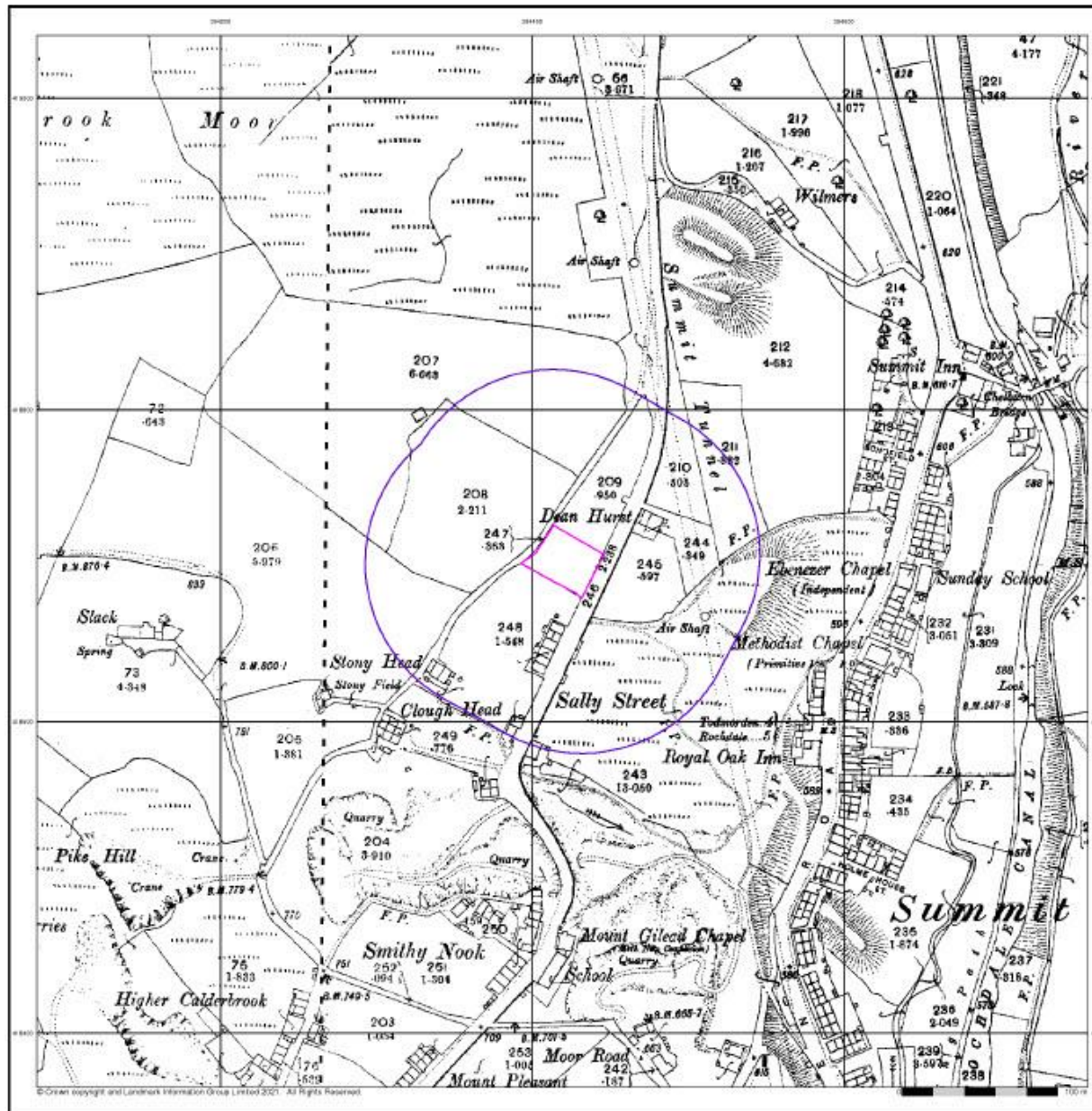
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 Search Buffer (m): 100

Site Details

Land adjacent Sally Street, Calderbrook, Littleborough, OL15 9NA

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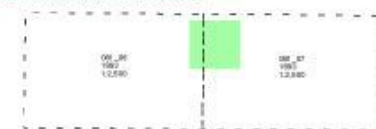
Lancashire And Furness

Published 1893

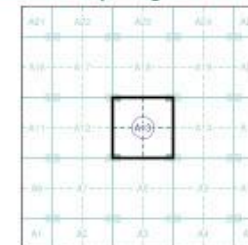
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1886 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 1850, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 282551114 1 1
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National Grid Reference: 394420, 418700
Site: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

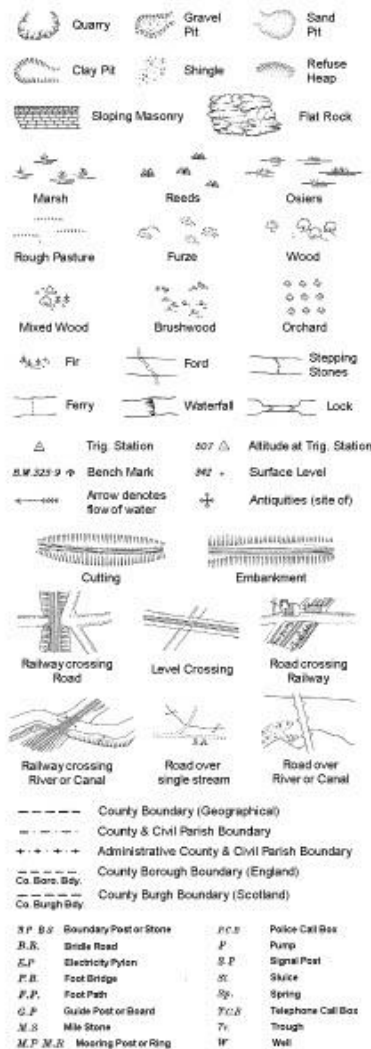
Land adjacent Sally Street, Calderbrook, Littleborough, OL15 9NA

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Historical Mapping Legends

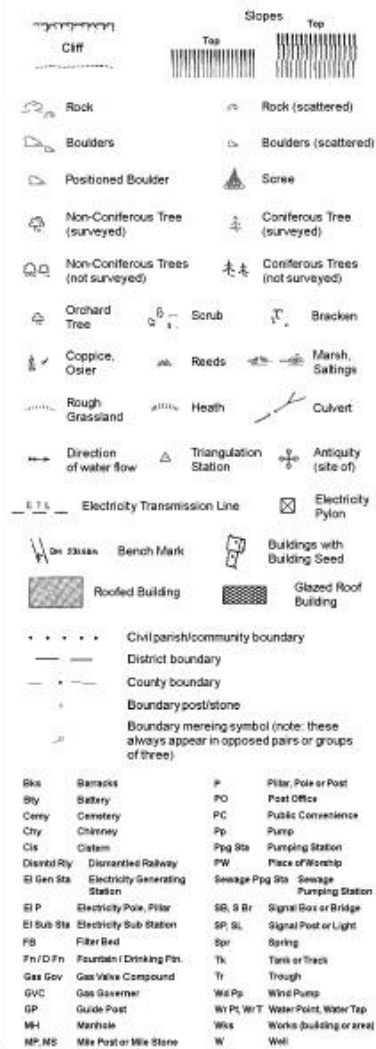
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



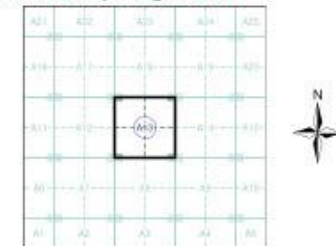
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1893	2
Yorkshire	1:2,500	1894	3
Yorkshire	1:2,500	1897	4
Lancashire And Furness	1:2,500	1910	5
Lancashire And Furness	1:2,500	1930	6
Ordnance Survey Plan	1:1,250	1961	7
Ordnance Survey Plan	1:2,500	1963 - 1964	8
Ordnance Survey Plan	1:1,250	1970	9
Additional SIMs	1:2,500	1984	10
Additional SIMs	1:1,250	1989	11
Additional SIMs	1:2,500	1991	12
Large-Scale National Grid Data	1:1,250	1992	13
Large-Scale National Grid Data	1:2,500	1992	14
Large-Scale National Grid Data	1:1,250	1993	15

Historical Map - Segment A13



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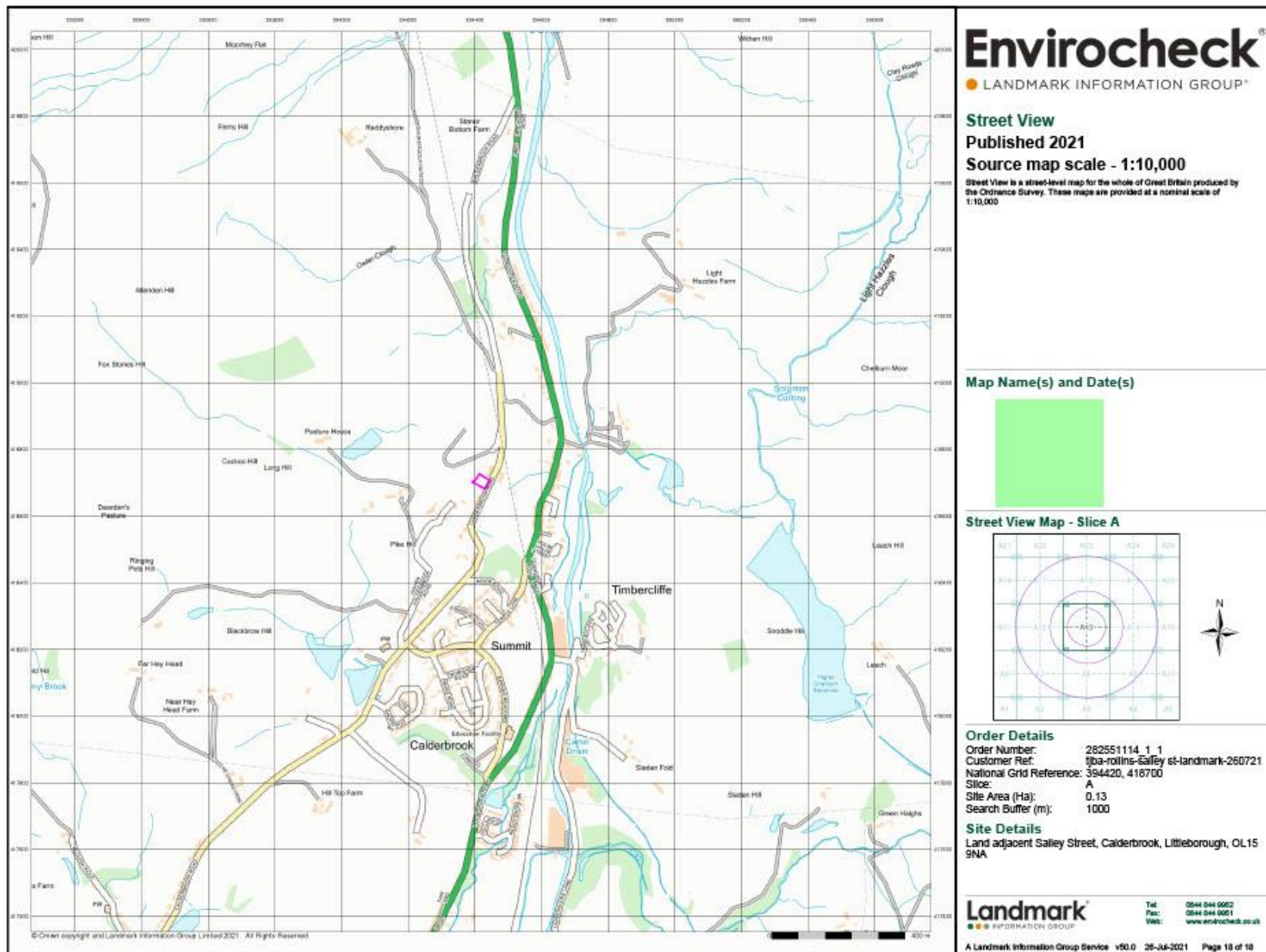
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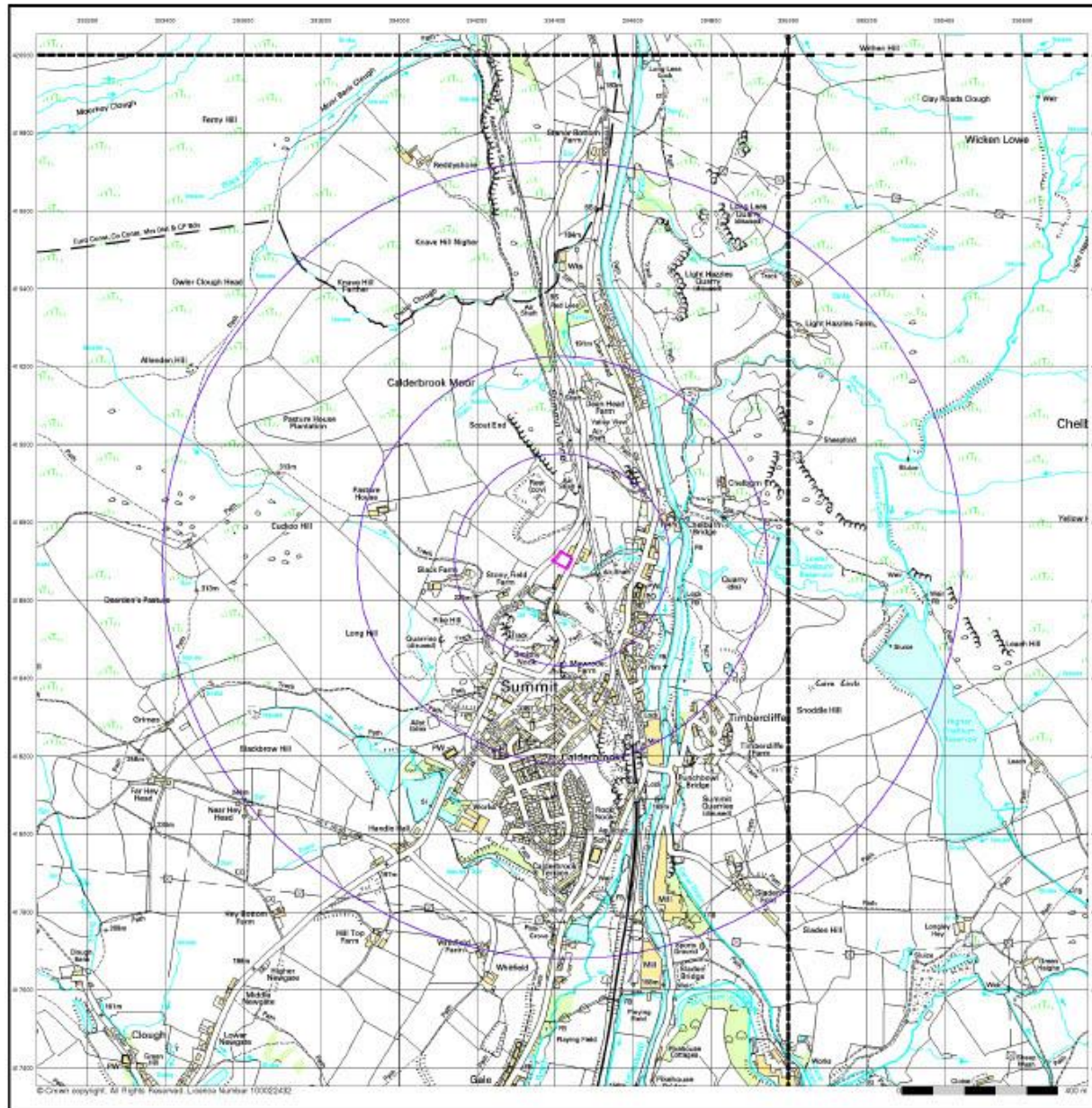
Site Details

Land adjacent Sally Street, Calderbrook, Littleborough, OL15 9NA

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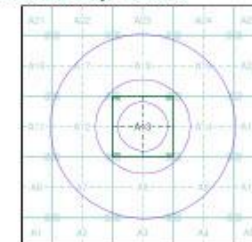
10k Raster Mapping
Published 1999
Source map scale - 1:10,000

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)

SD25SW	SD25SE
1999	1999
1:10,000	1:10,000
SD21NW	SD21NE
1999	1999
1:10,000	1:10,000

Historical Map - Slice A



Order Details

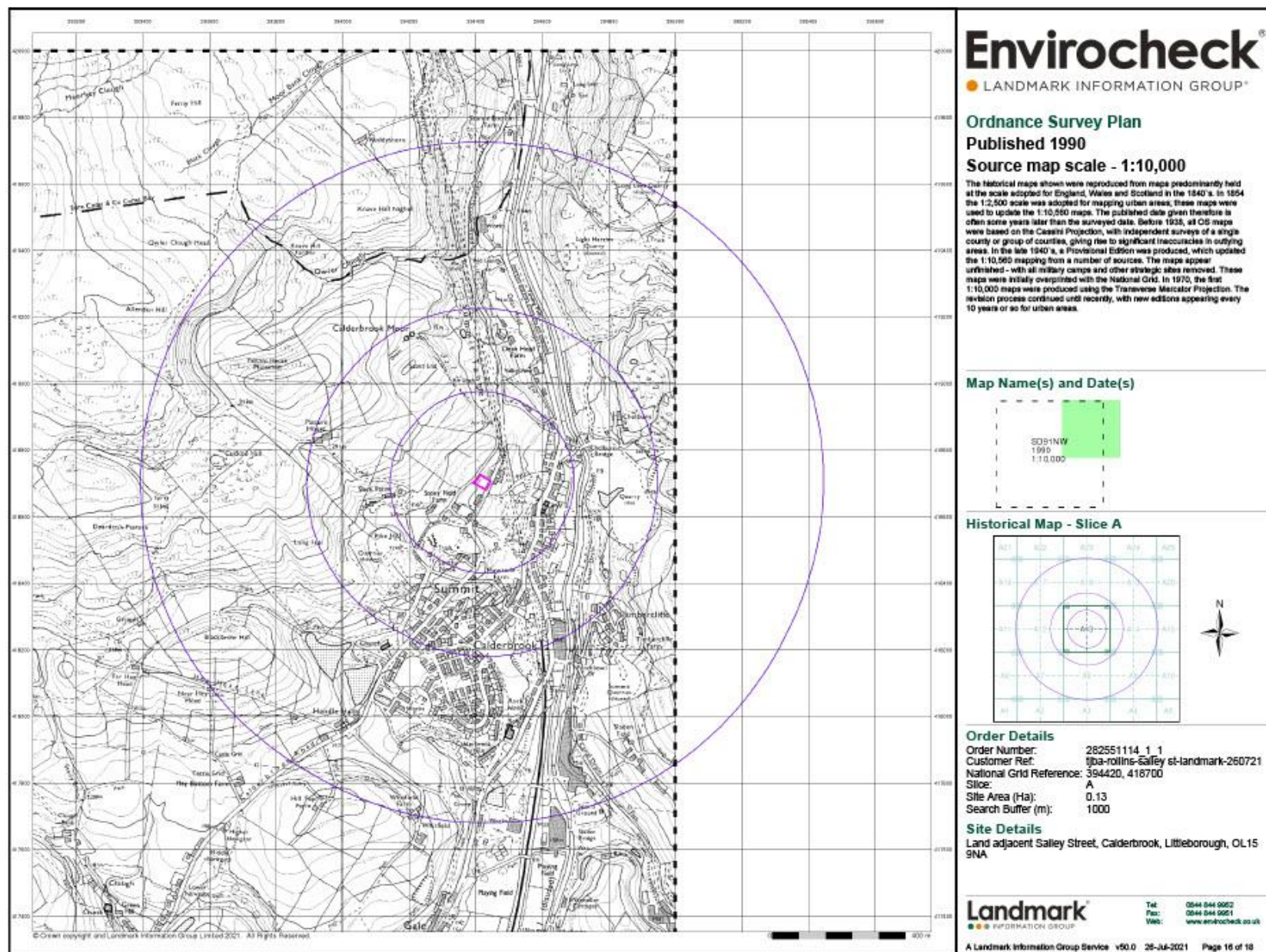
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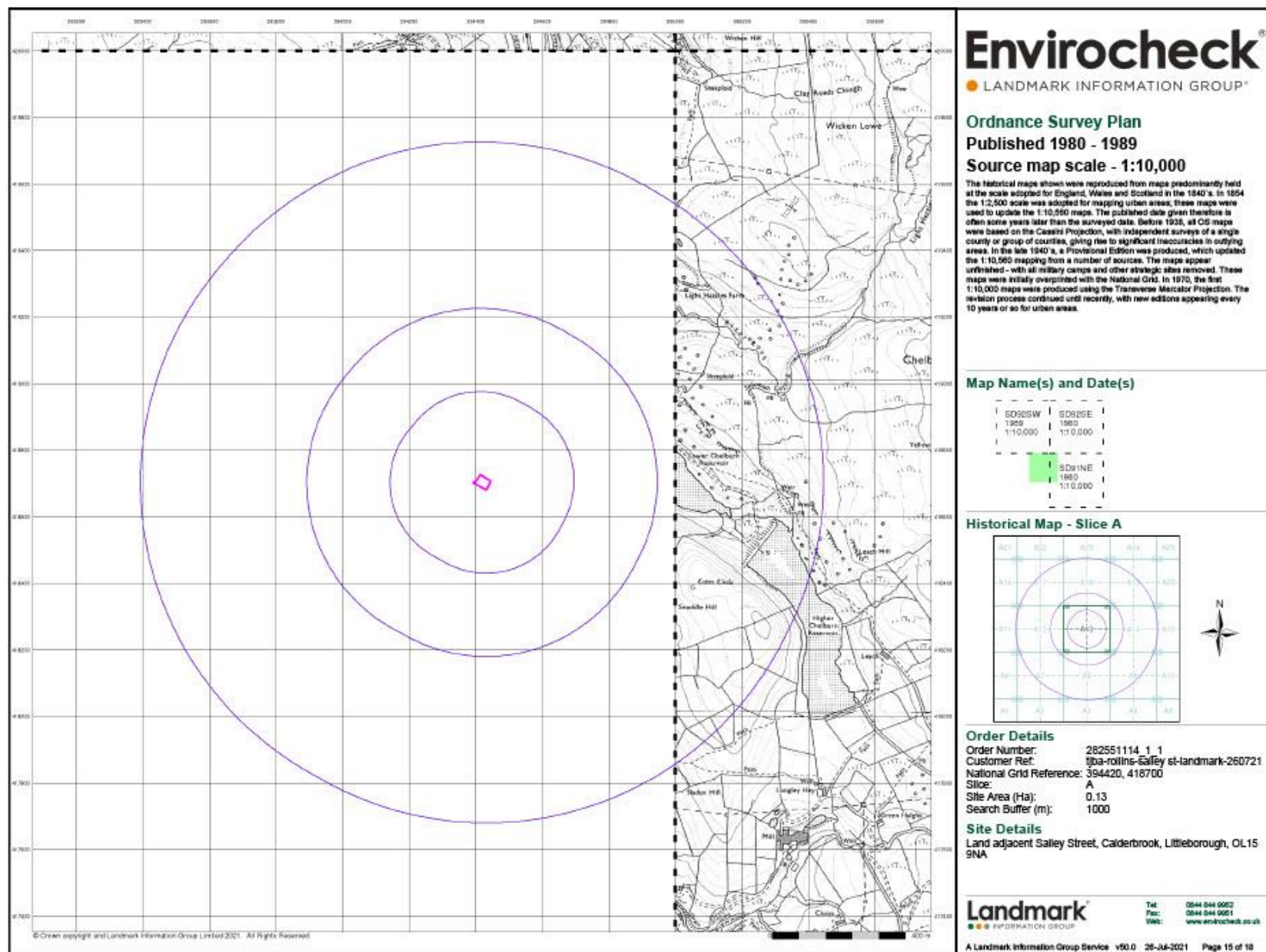
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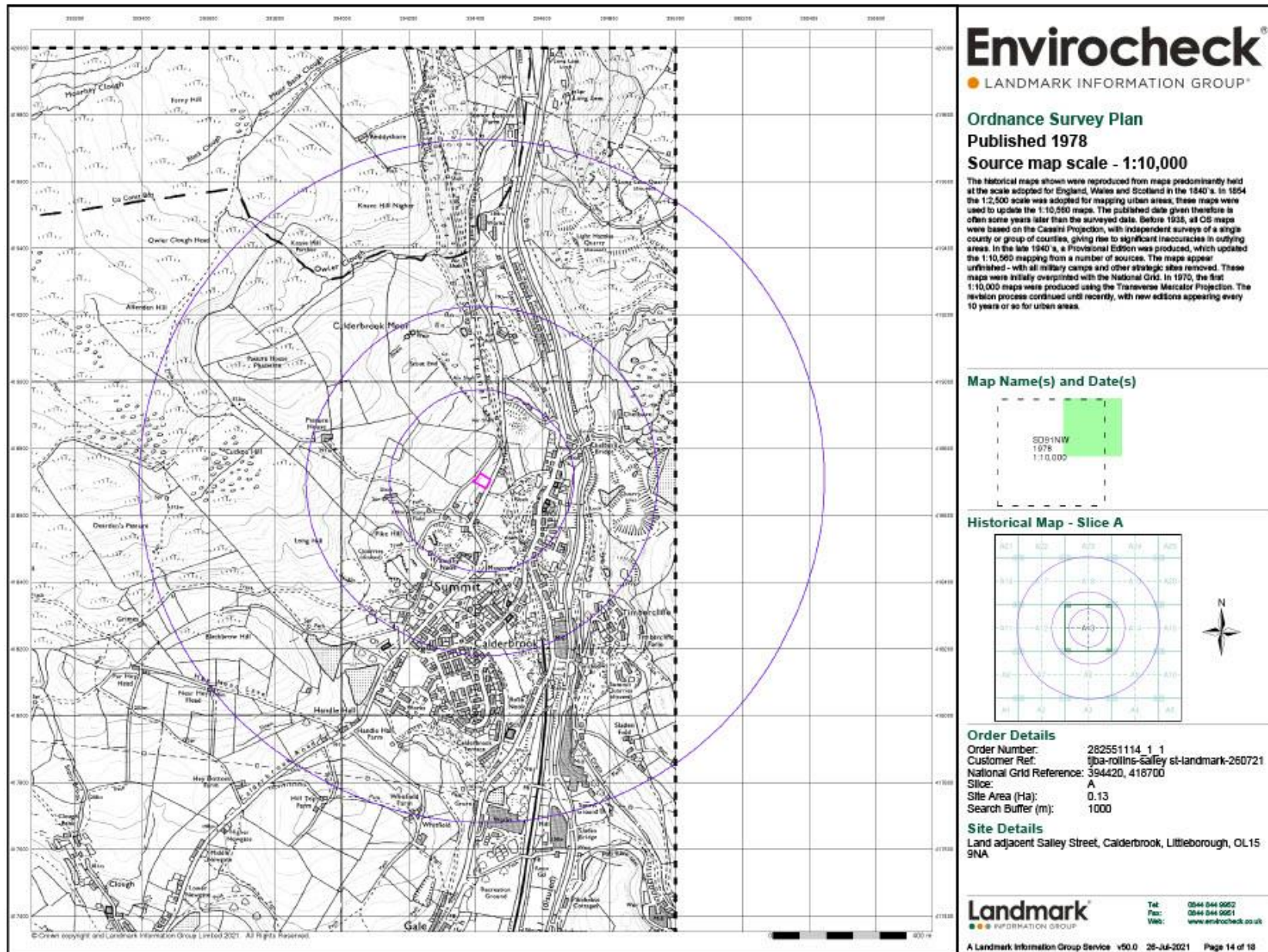
Land adjacent Sally Street, Calderbrook, Littleborough, OL15
 9NA

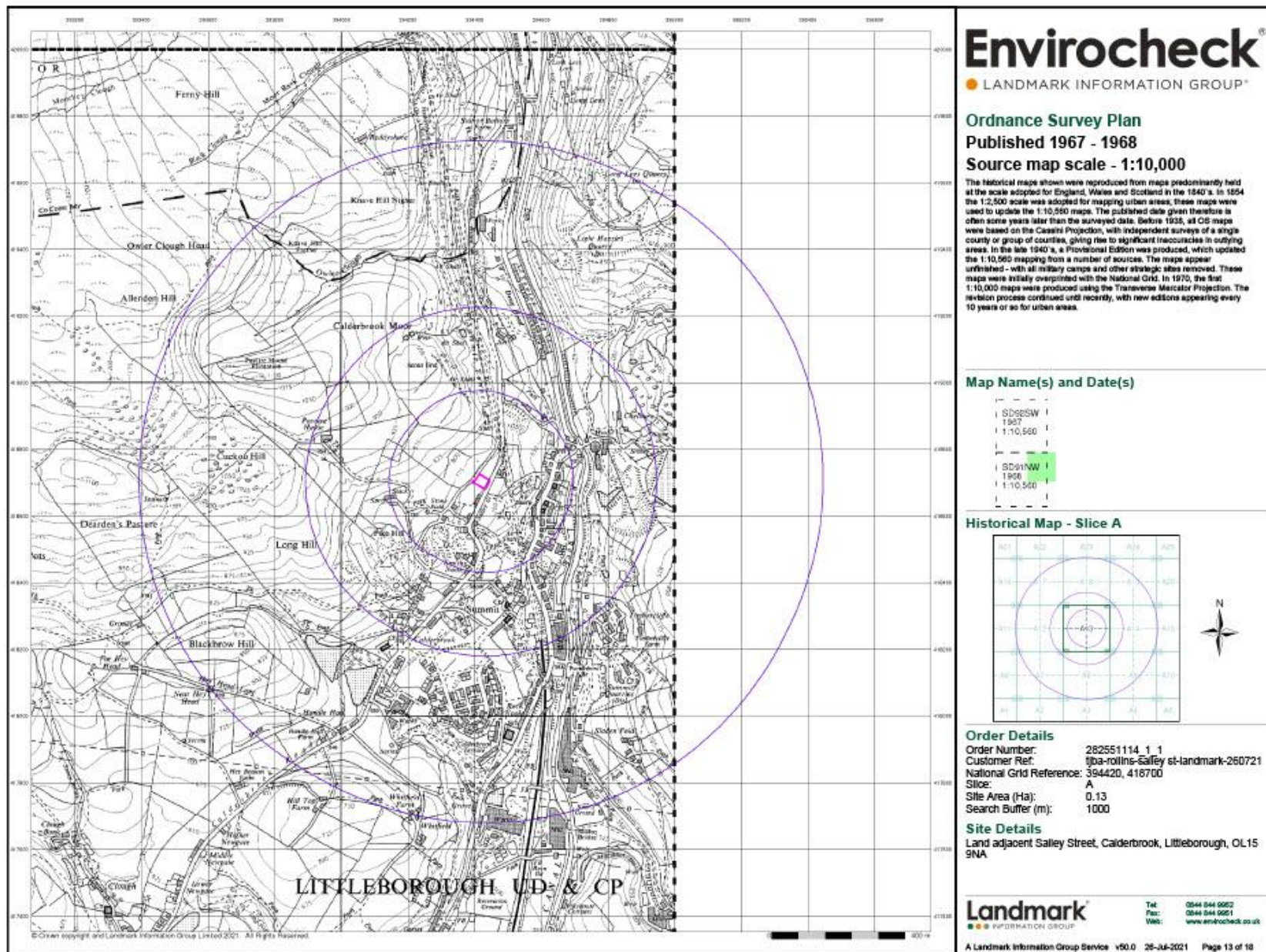
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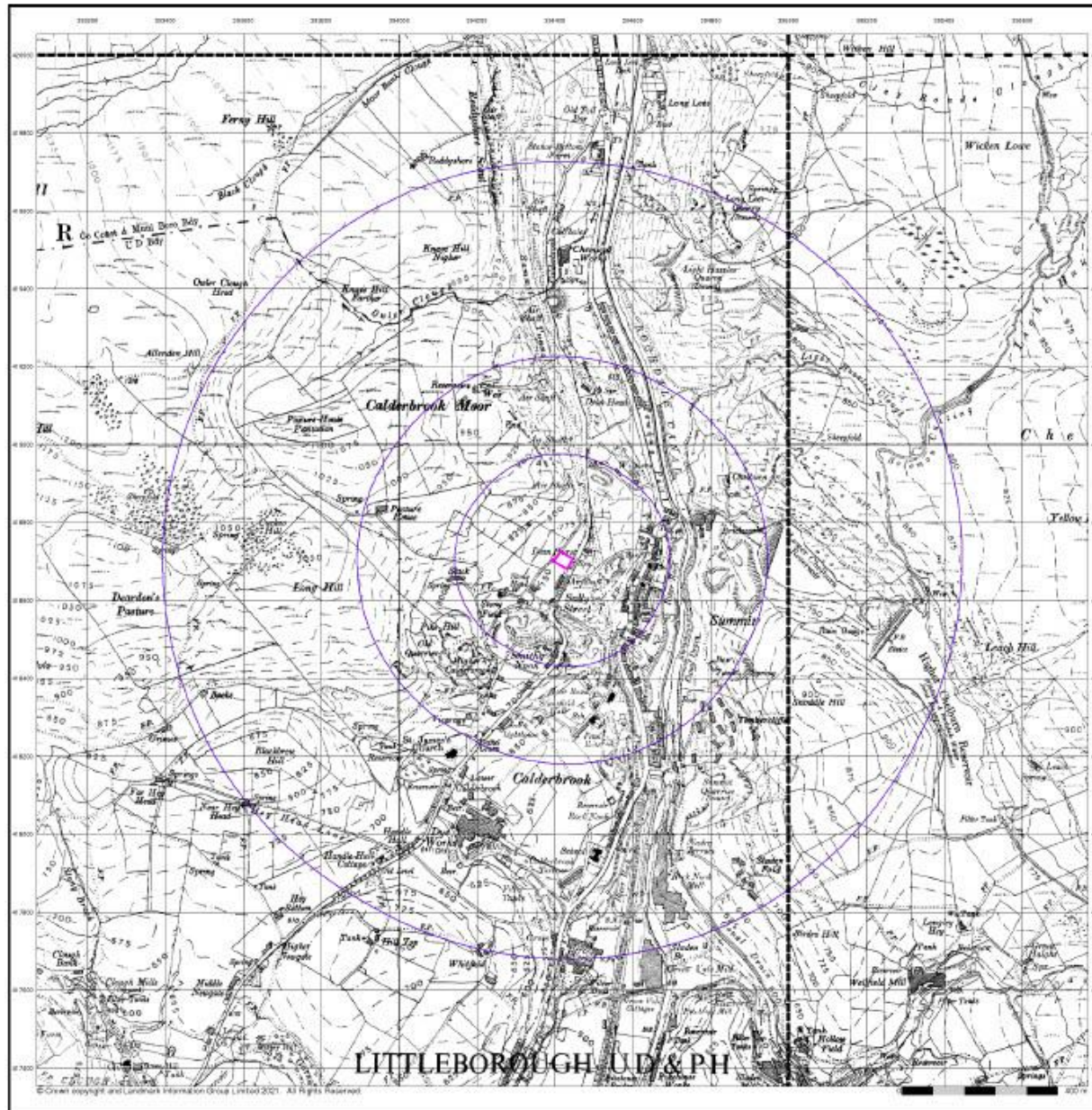
Tel: 0844 944 0252
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Ordnance Survey Plan

Published 1956

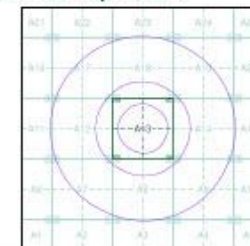
Source map scale - 1:10,000

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 1:10,000 maps. The published date given therefore is often some years later than the surveyed date. Before 1935, 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 1:10,000 mapping from a number of sources. The maps appear unframed - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

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SD25NW 1956 1:10,000	SD25NE 1956 1:10,000

Historical Map - Slice A



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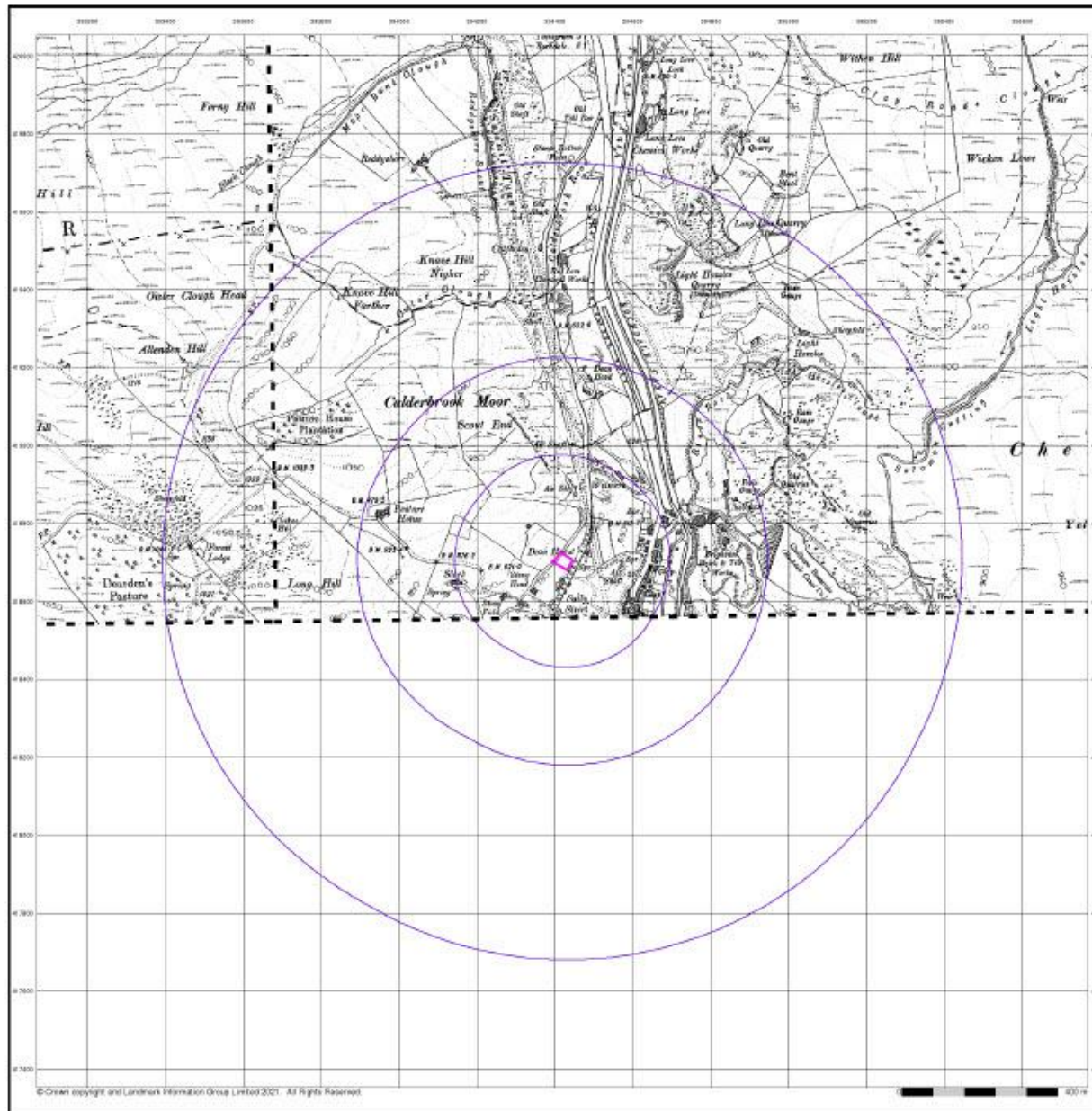
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Site Area (Ha): 0.13
Search Buffer (m): 1000

Site Details

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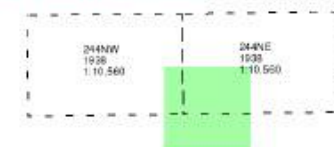
Yorkshire

Published 1938

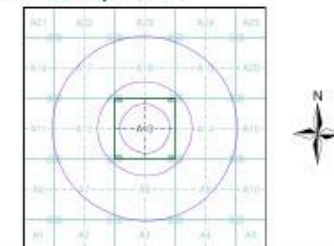
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

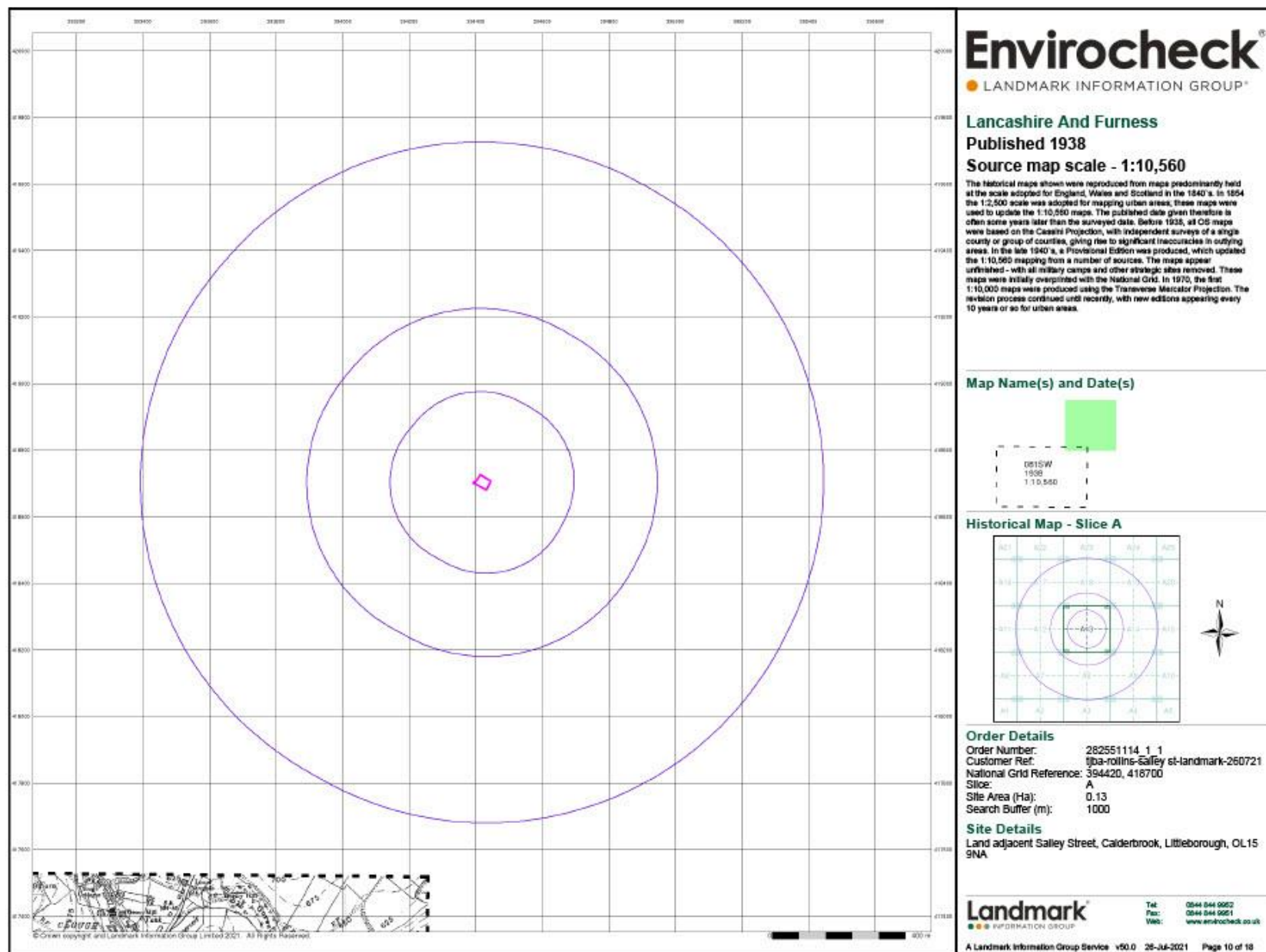
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 Site Area (Ha): 0.13
 Search Buffer (m): 1000

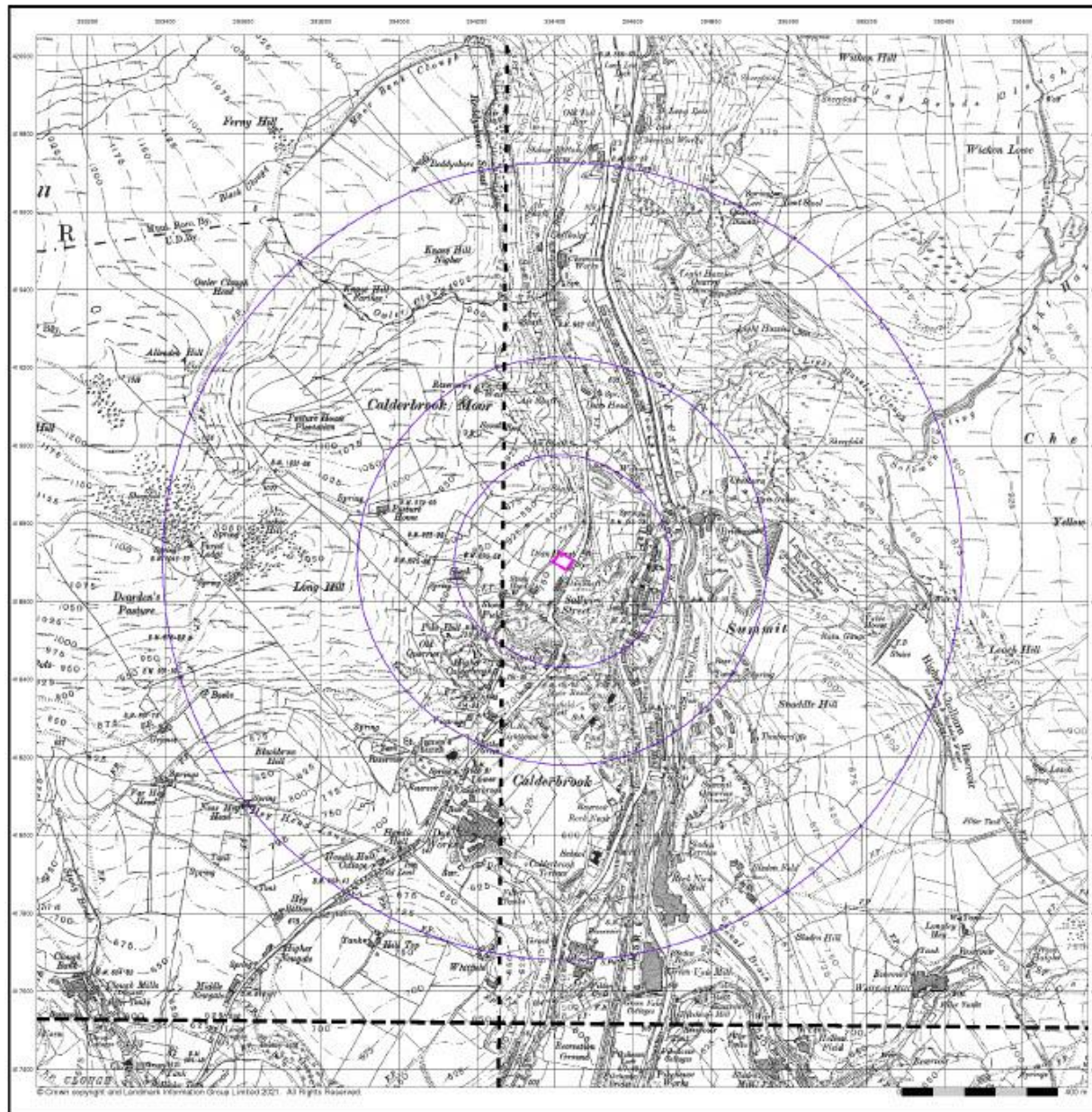
Site Details

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Lancashire And Furness

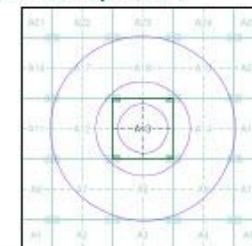
Published 1930 - 1932

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 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 or group of counties being undertaken. The 1:10,560 scale maps of urban 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 OS edition was produced using the new 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

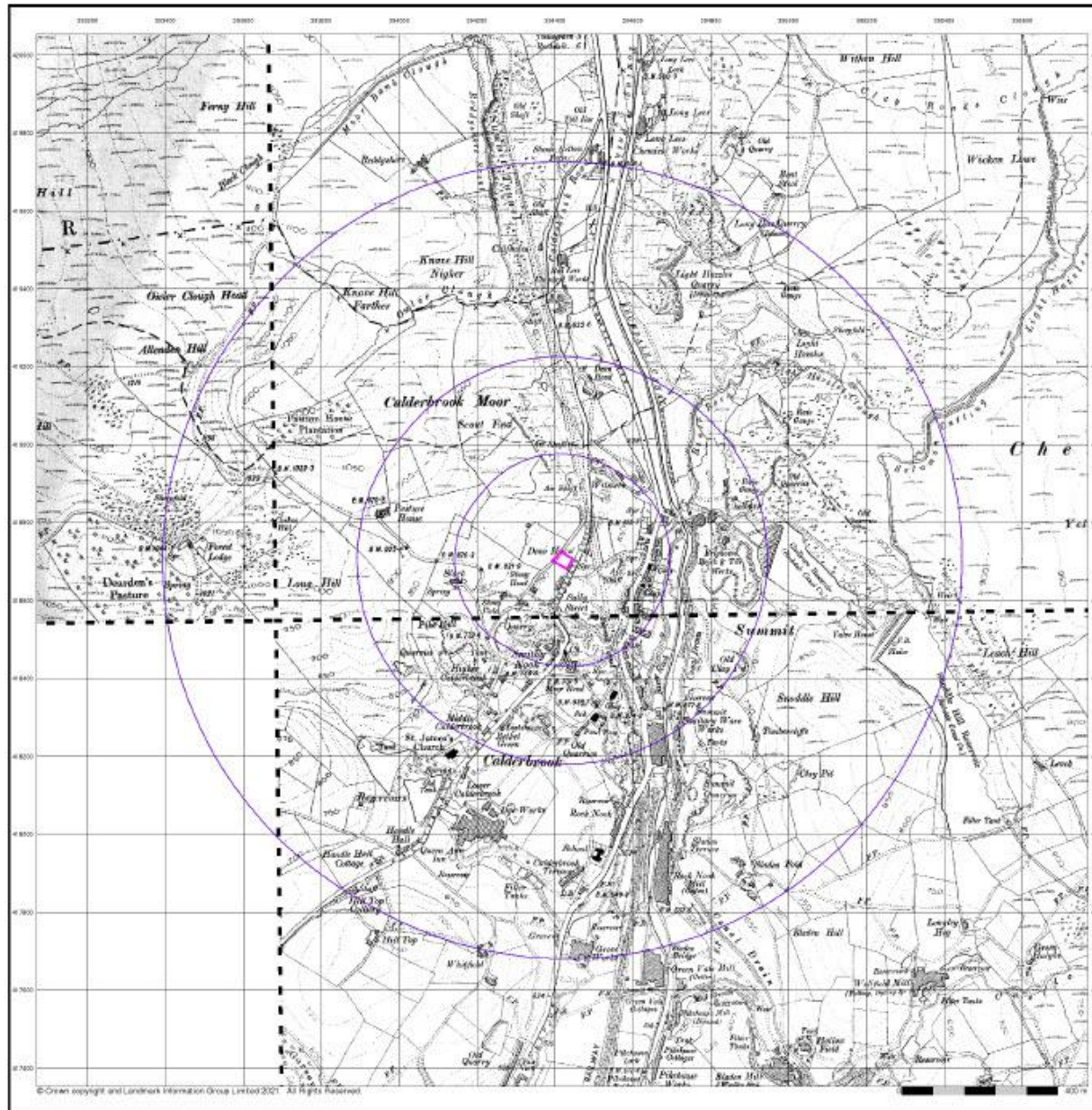
Order Number: 282551114 1 1
Customer Ref: tjba-rolls-Saffey st-landmark-260721
National Grid Reference: 394420, 418700
Site: A
Site Area (Ha): 0.13
Search Buffer (m): 1000

Site Details

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Yorkshire

Published 1911 - 1912

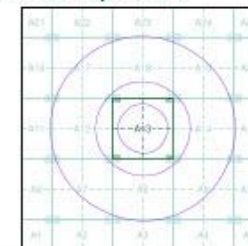
Source map scale - 1:10,560

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 1935, 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 unframed - 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)

244NW 1912 1:10,560	244NE 1911 1:10,560
	244SE 1911 1:10,560

Historical Map - Slice A



Order Details

Order Number: 282551114 1 1
Customer Ref: tba-rolling-sally st-landmark-260721
National Grid Reference: 394420, 418700
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 1000

Site Details

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Yorkshire

Published 1911 - 1912

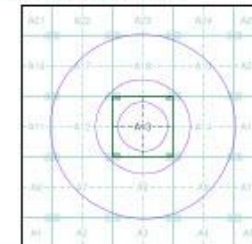
Source map scale - 1:10,560

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 1935, 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 unaltered - 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)

244NW 1912 1:10,560	244NE 1911 1:10,560
	244SE 1911 1:10,560

Historical Map - Slice A



Order Details

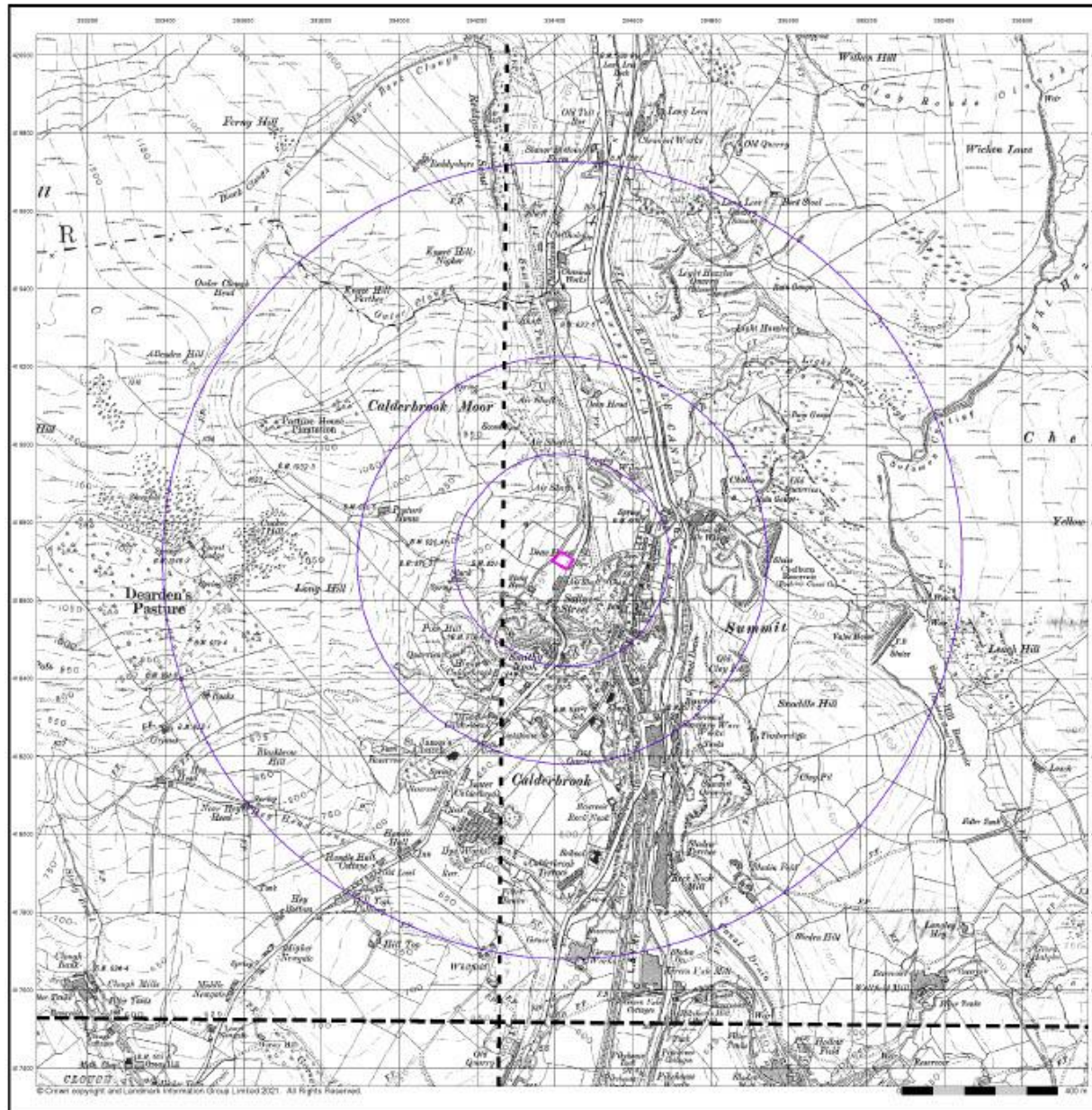
Order Number: 282551114 1 1
Customer Ref: tba-rolling-sally st-landmark-260721
National Grid Reference: 394420, 418700
Site: A
Site Area (Ha): 0.13
Search Buffer (m): 1000

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Lancashire And Furness

Published 1910 - 1911

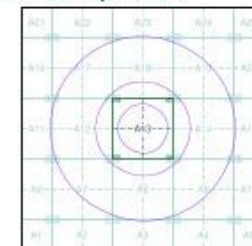
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas, these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1935, 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 unaltered - 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)

081NW 1911 1:10,560	081NE 1911 1:10,560
081SW 1911 1:10,560	081SE 1911 1:10,560

Historical Map - Slice A



Order Details

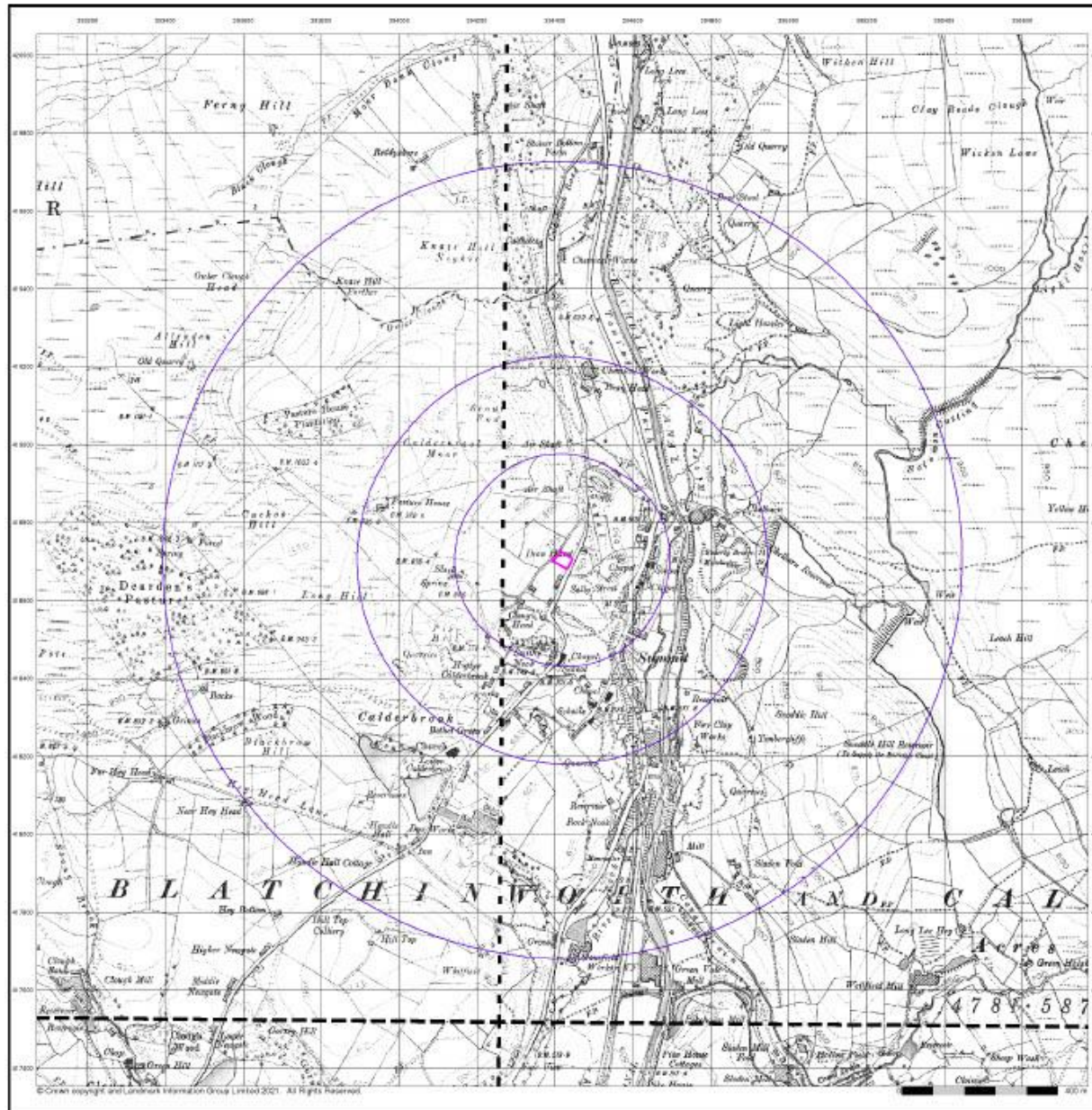
Order Number: 282551114 1 1
Customer Ref: tba-rolling-sally st-landmark-260721
National Grid Reference: 394420, 418700
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 1000

Site Details

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Lancashire And Furness

Published 1894 - 1895

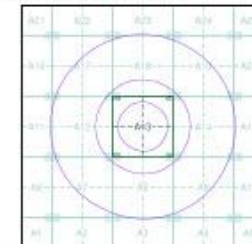
Source map scale - 1:10,560

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 1935, 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 unaltered - 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)

081NW 1895 1:10,560	081NE 1895 1:10,560
081SW 1894 1:10,560	081SE 1895 1:10,560

Historical Map - Slice A



Order Details

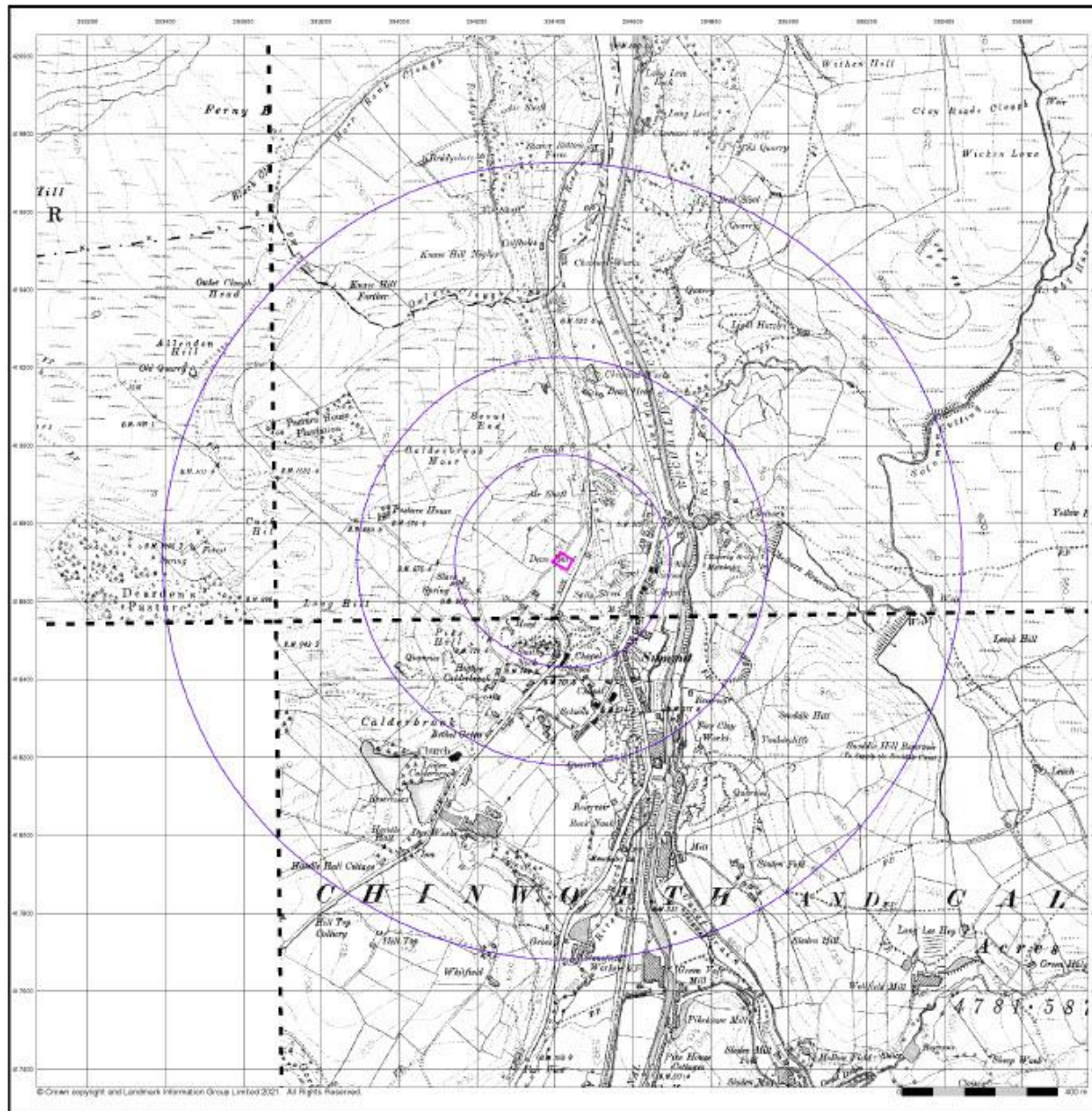
Order Number: 282551114 1 1
Customer Ref: tba-rolling-sally st-landmark-260721
National Grid Reference: 394420, 418700
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 1000

Site Details

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Yorkshire

Published 1894

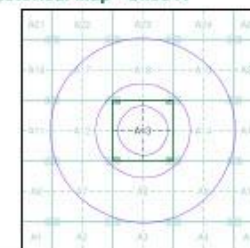
Source map scale - 1:10,560

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 1935, 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 unframed - 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

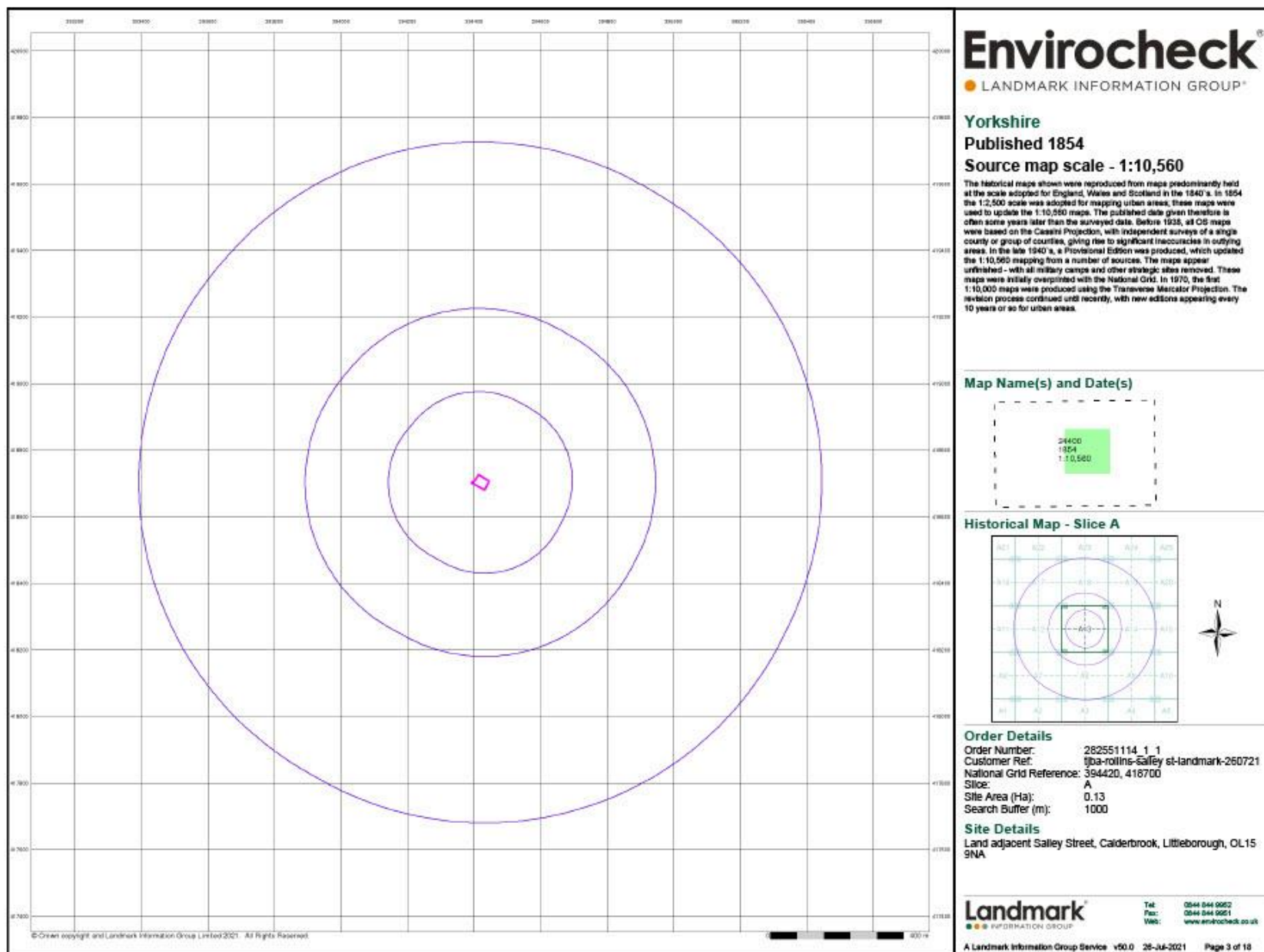


Order Details

Order Number: 282551114 1 1
 Customer Ref: tba-rolling-salley st-landmark-260721
 National Grid Reference: 394420, 418700
 Slice: A
 Site Area (Ha): 0.13
 Search Buffer (m): 1000

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Yorkshire

Published 1854

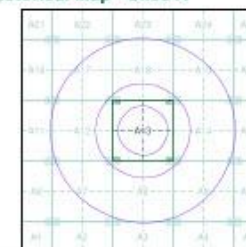
Source map scale - 1:10,560

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 1935, 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 unframed - 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: 282551114 1 1
Customer Ref: tjba-rolls-salley-st-landmark-260721
National Grid Reference: 394420, 418700
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 1000

Site Details

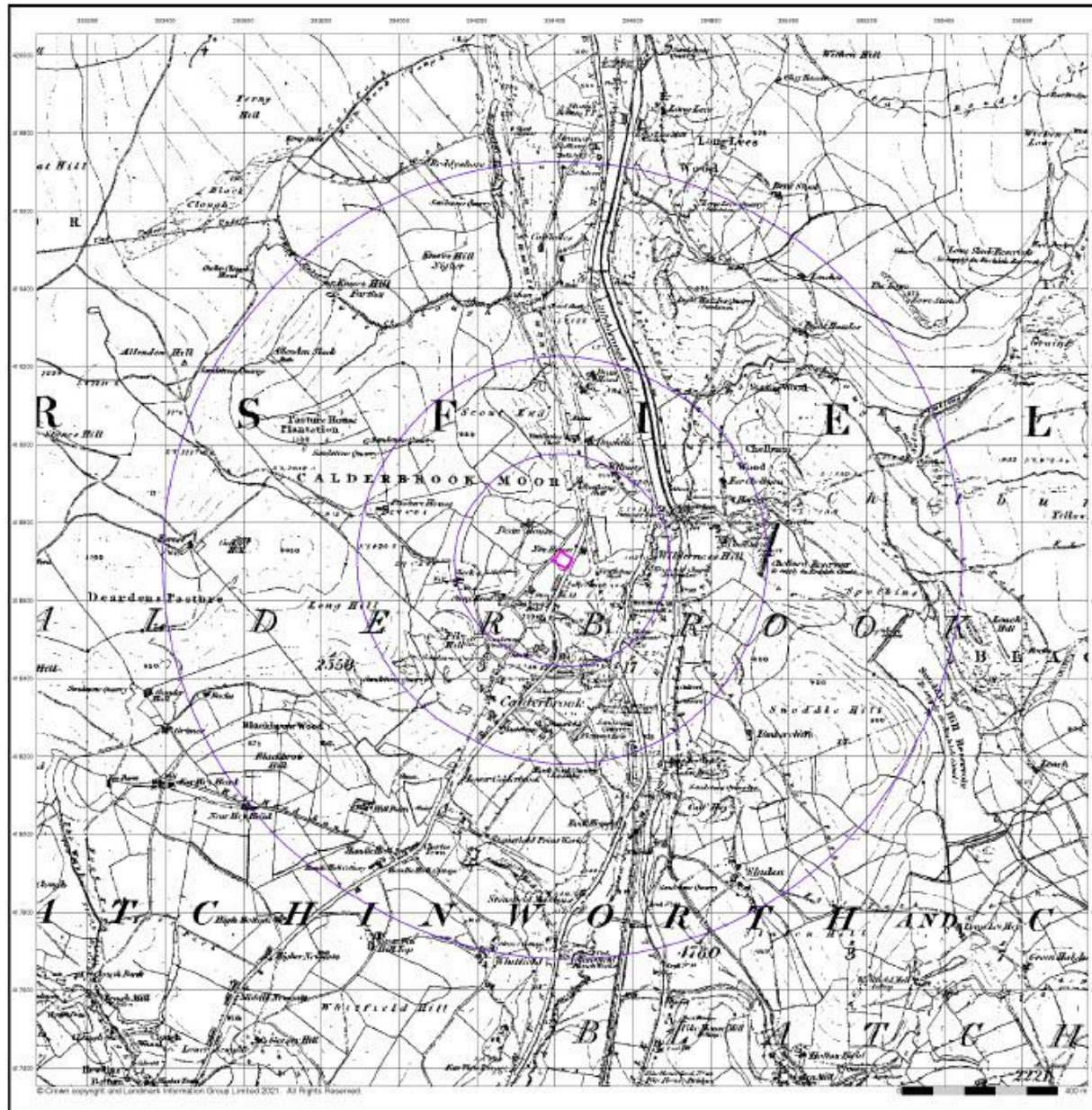
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Lancashire And Furness

Published 1851

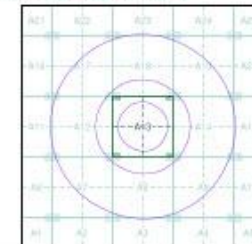
Source map scale - 1:10,560

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 unframed - 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: 282551114 1 1
Customer Ref: tba-rolls-sally st-landmark-260721
National Grid Reference: 394420, 418700
Slice: A
Site Area (Ha): 0.13
Search Buffer (m): 1000

Site Details

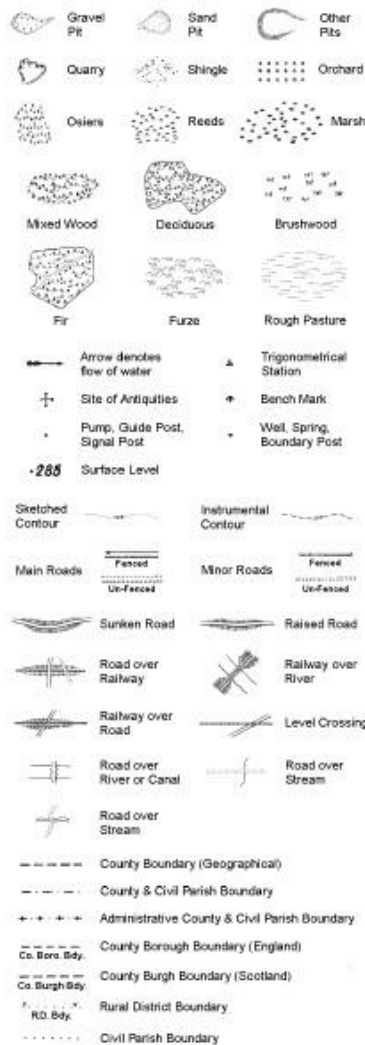
Land adjacent Sally Street, Calderbrook, Littleborough, OL15 9NA

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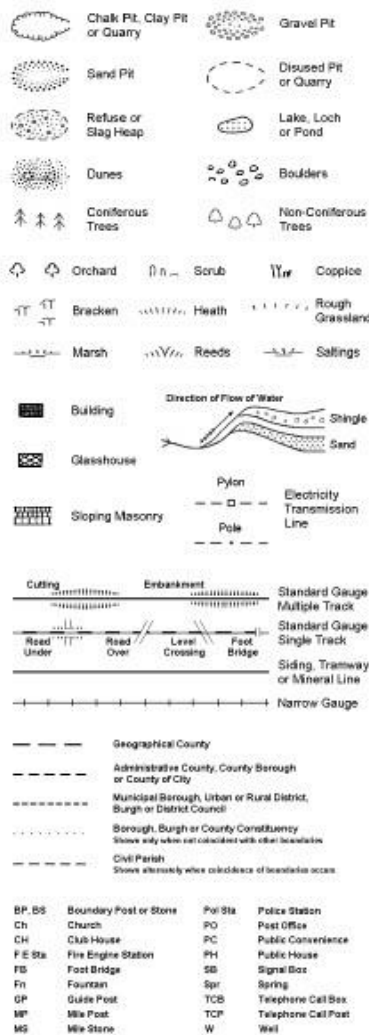
Tel: 0944 944 0252
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Historical Mapping Legends

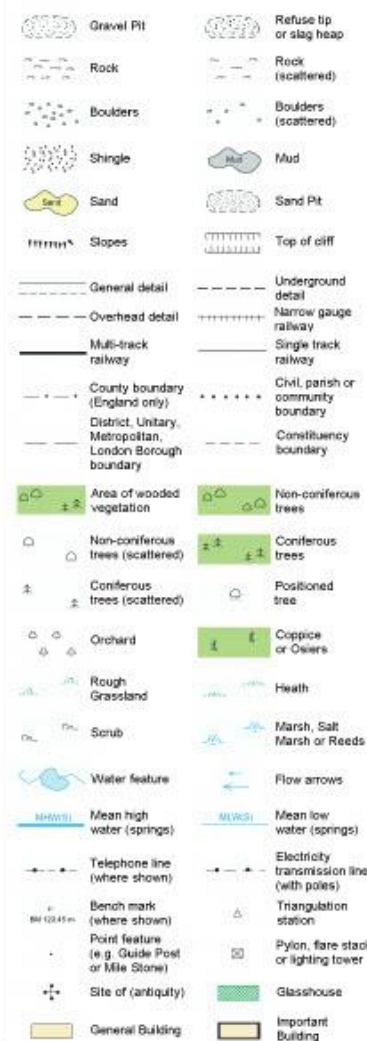
Ordnance Survey County Series 1:10,560



Ordnance Survey Plan 1:10,000



1:10,000 Raster Mapping



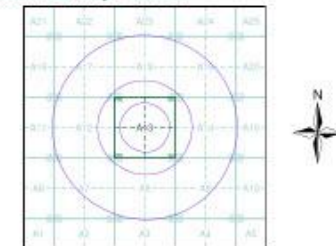
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1951	2
Yorkshire	1:10,560	1954	3
Yorkshire	1:10,560	1954	4
Lancashire And Furness	1:10,560	1954 - 1955	5
Lancashire And Furness	1:10,560	1910 - 1911	6
Yorkshire	1:10,560	1911 - 1912	7
Yorkshire	1:10,560	1911 - 1912	8
Lancashire And Furness	1:10,560	1930 - 1932	9
Lancashire And Furness	1:10,560	1938	10
Yorkshire	1:10,560	1938	11
Ordnance Survey Plan	1:10,000	1956	12
Ordnance Survey Plan	1:10,000	1957 - 1958	13
Ordnance Survey Plan	1:10,000	1976	14
Ordnance Survey Plan	1:10,000	1980 - 1989	15
Ordnance Survey Plan	1:10,000	1990	16
10K Raster Mapping	1:10,000	1999	17
Street View	Variable		18

Historical Map - Slice A



Order Details

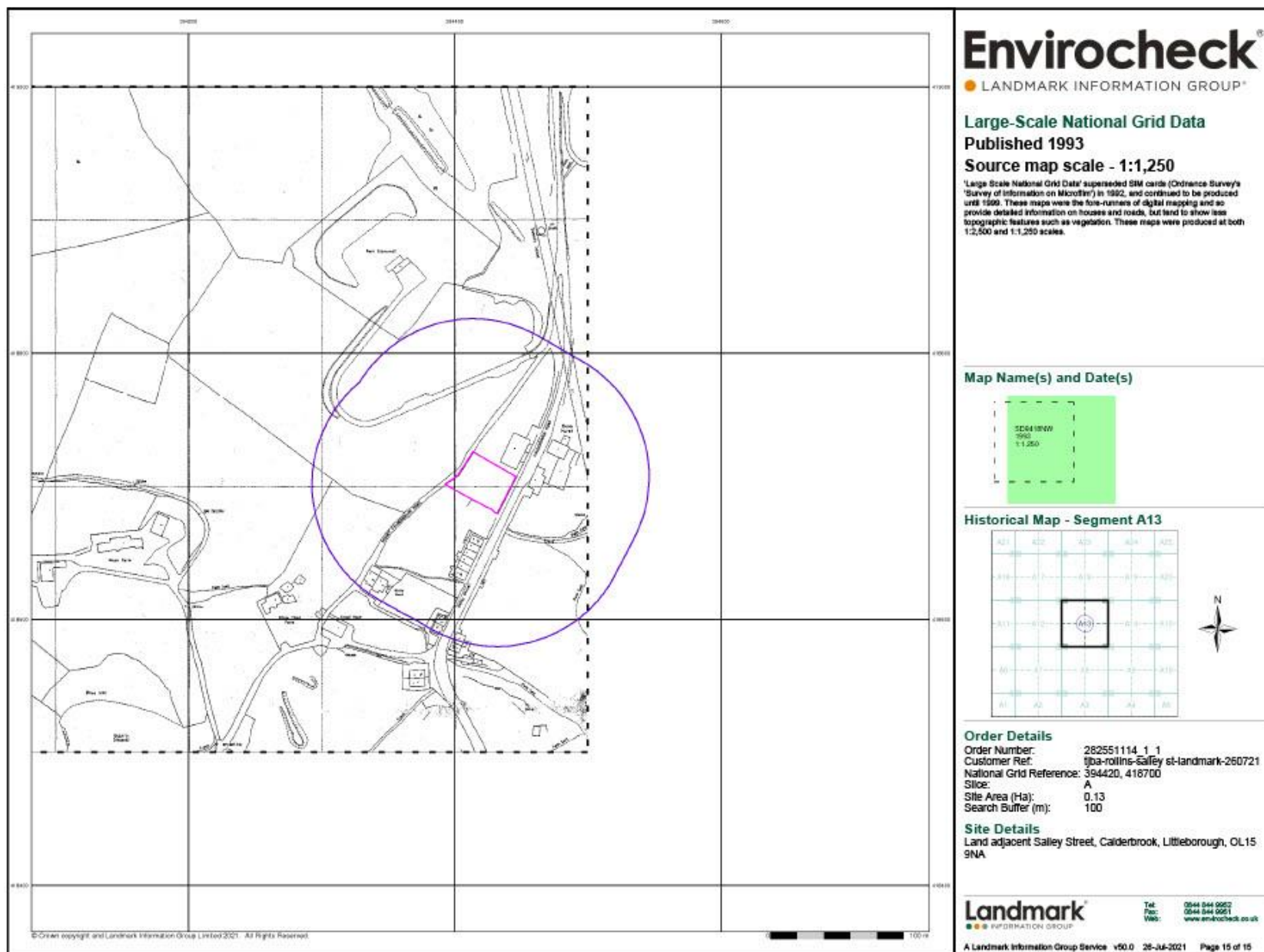
Order Number: 282551114 1 1
 Customer Ref: tba-rolls-sally-st-landmark-260721
 National Grid Reference: 394420, 418700
 Slice: A
 Site Area (Ha): 0.13
 Search Buffer (m): 1000

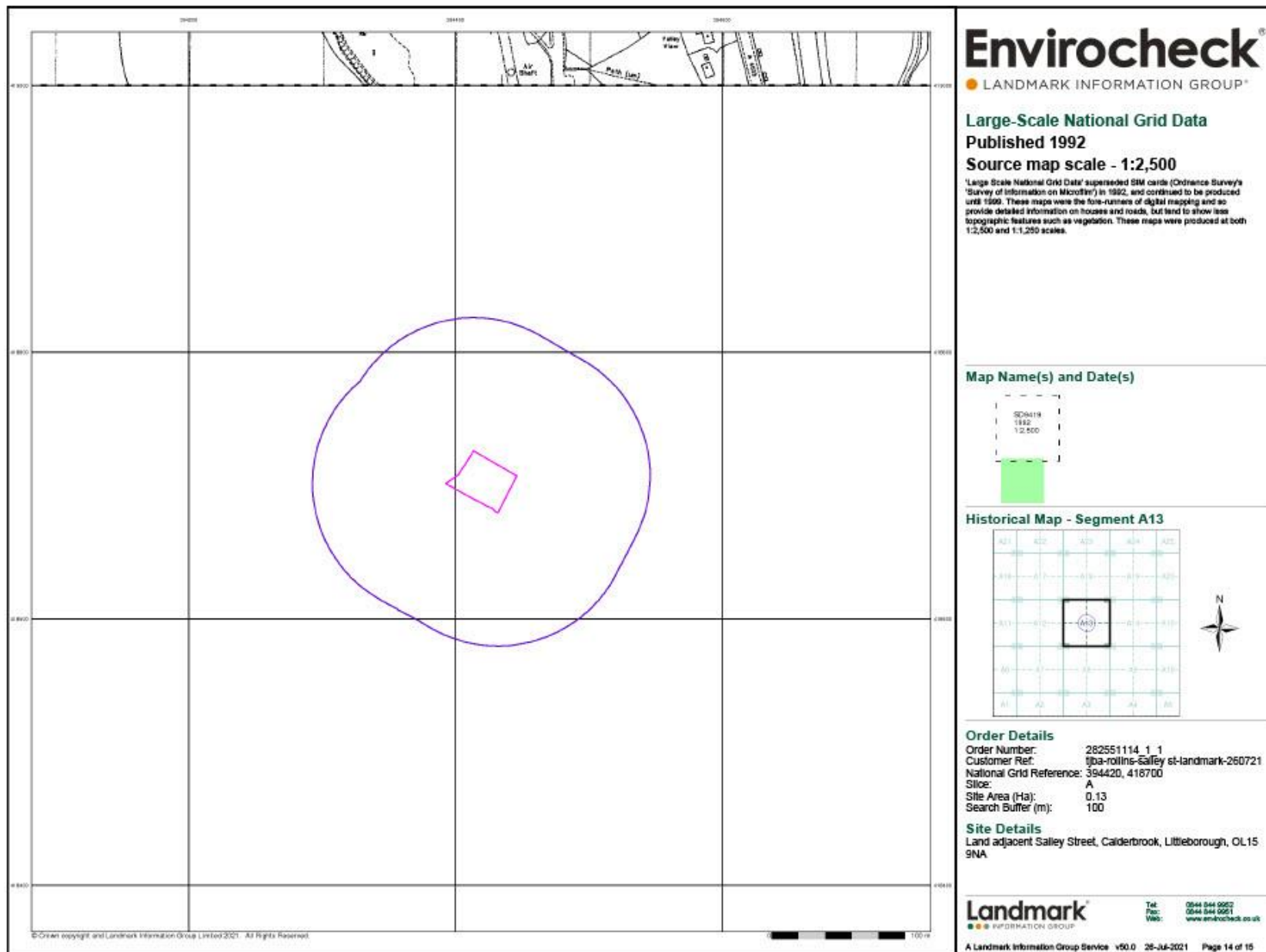
Site Details

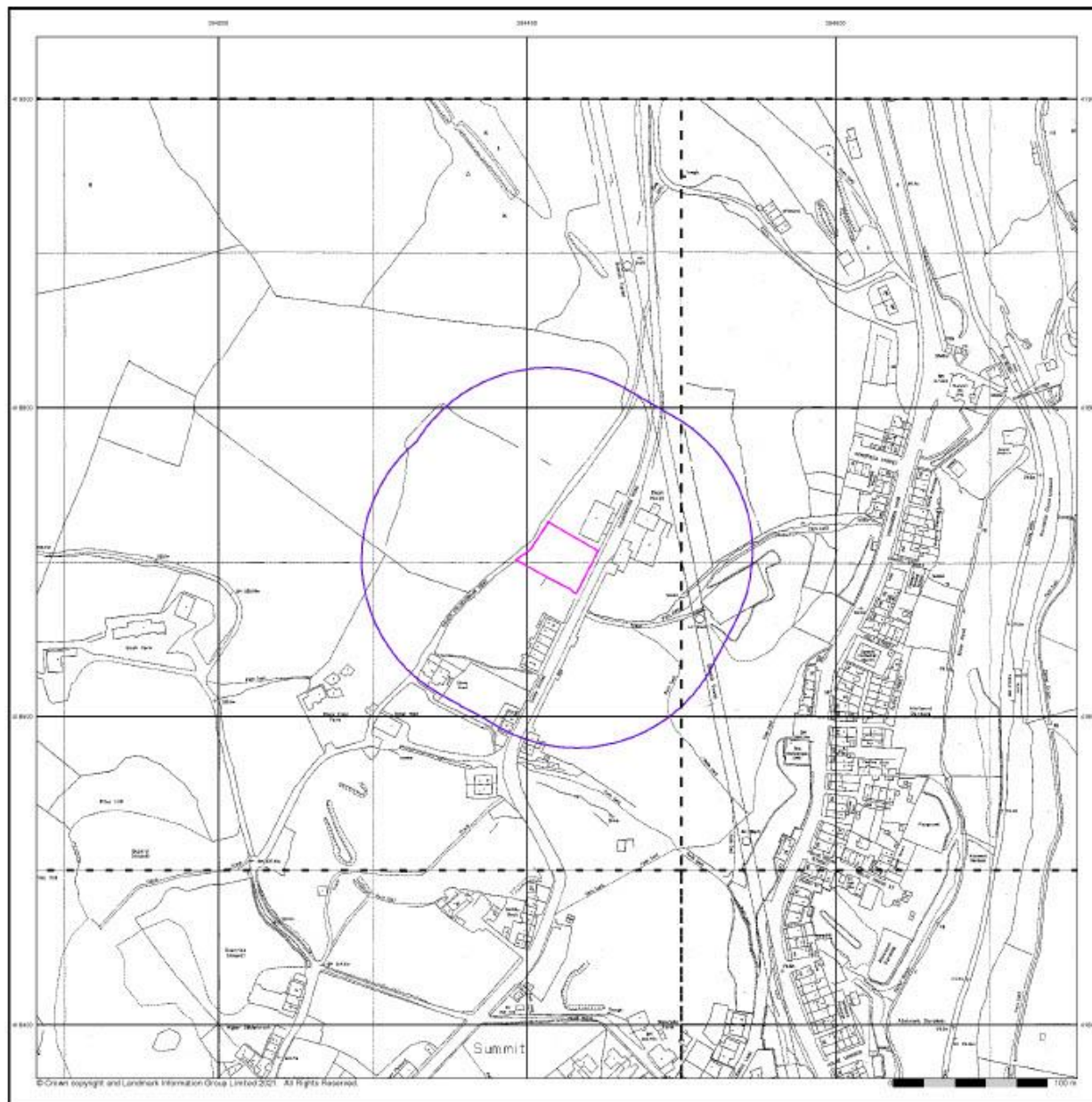
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Large-Scale National Grid Data
Published 1992

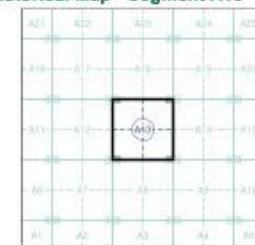
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded 5M cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the forerunners 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)

SD4110NW 1992 1:1,250	SD4110NE 1992 1:1,250
SD4110SW 1992 1:1,250	SD4110SE 1992 1:1,250

Historical Map - Segment A13



Order Details

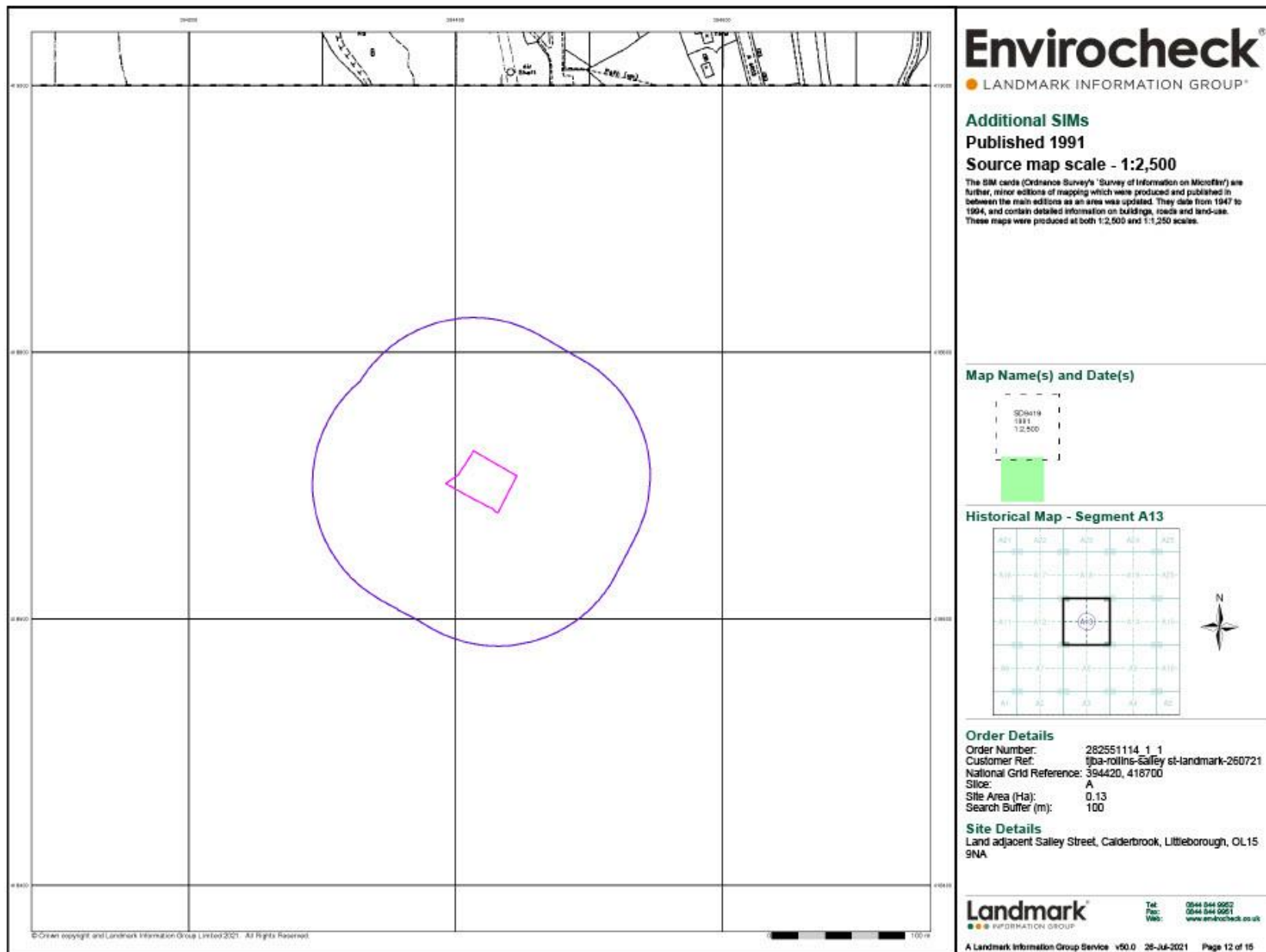
Order Number: 282551114 1 1
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 National Grid Reference: 394420, 418700
 Slice: A
 Site Area (Ha): 0.13
 Search Buffer (m): 100

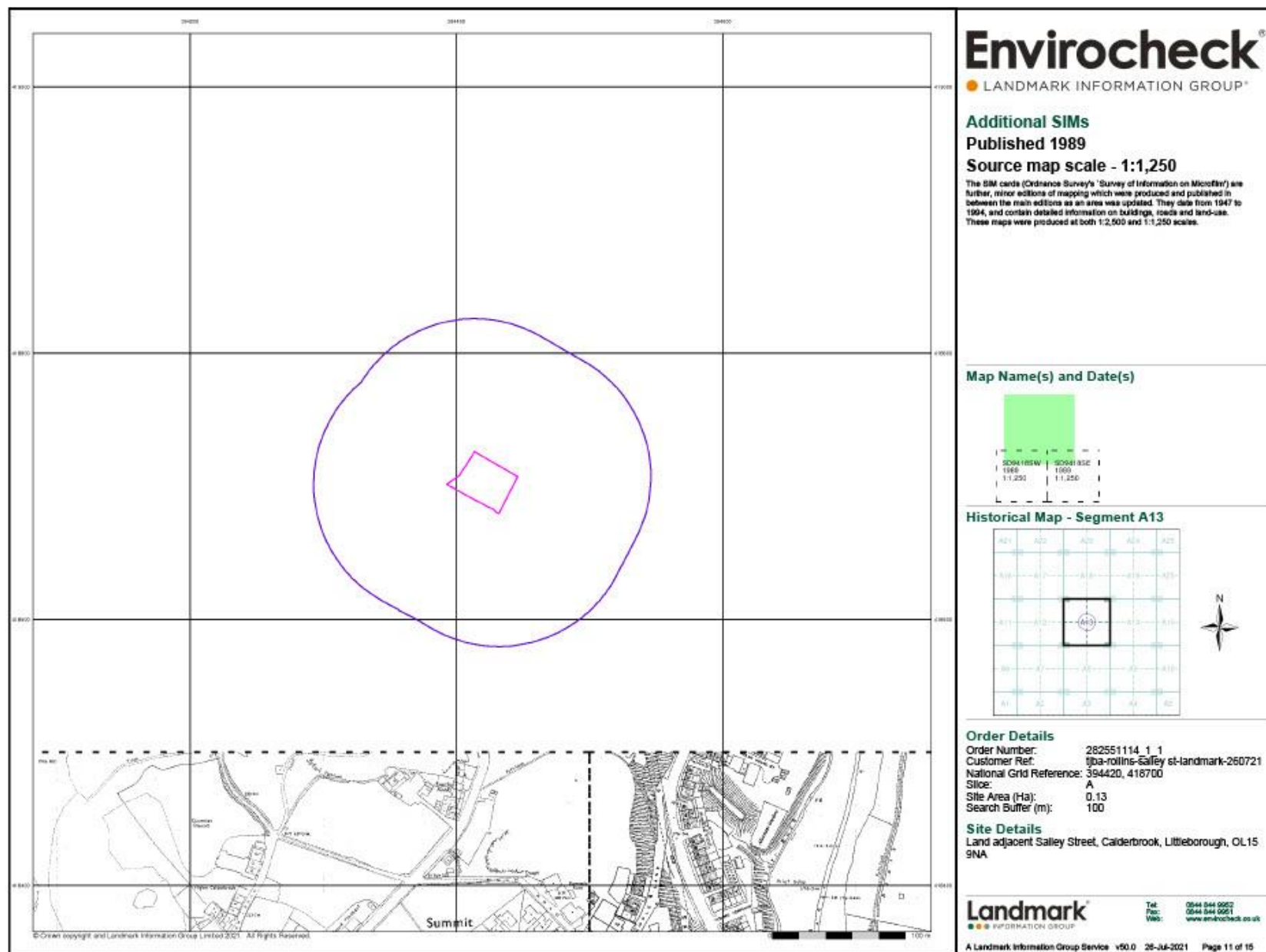
Site Details

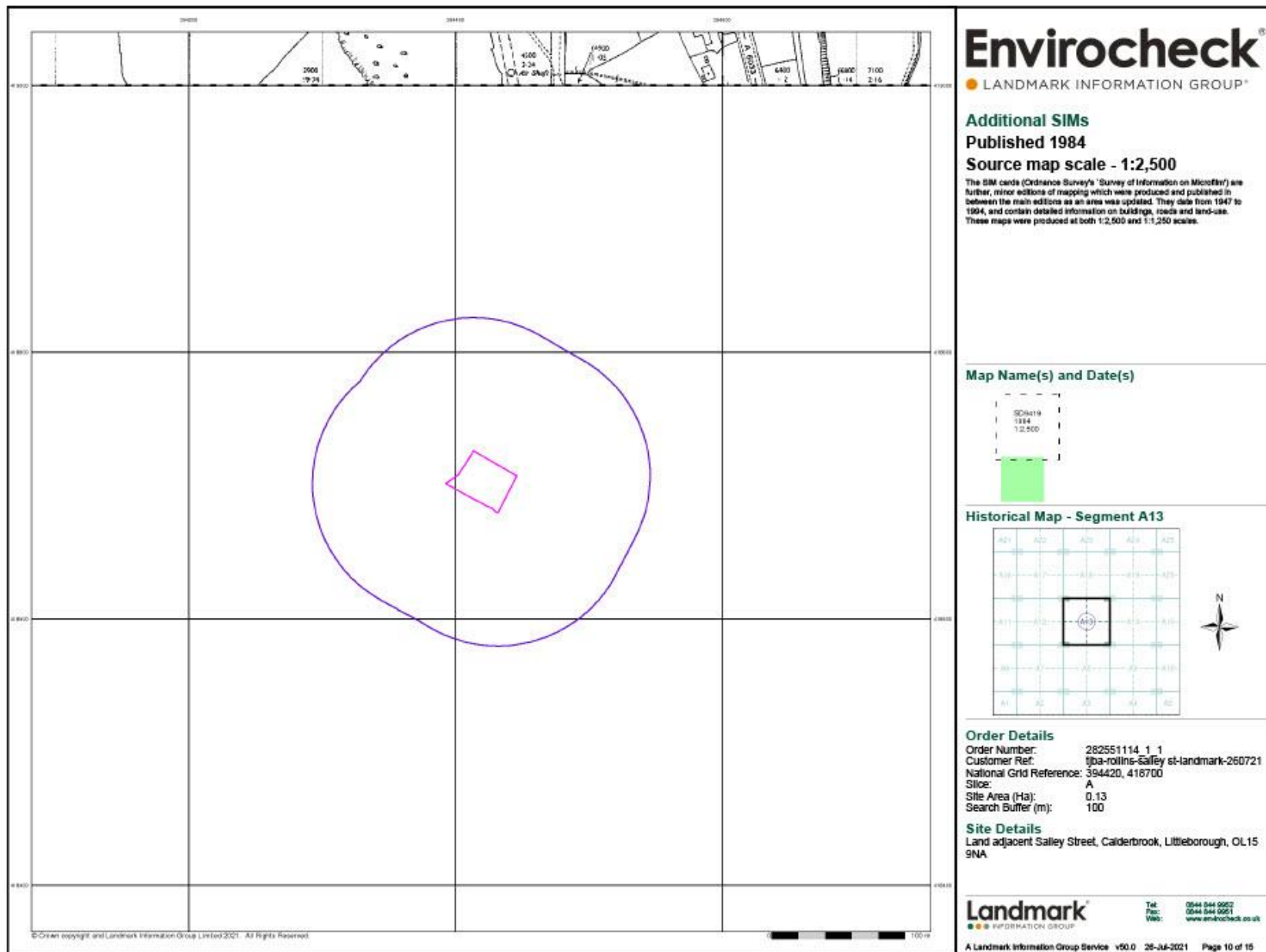
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Additional SIMs

Published 1984

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)

SD9419
1984
1:2,500

Historical Map - Segment A13



Order Details

Order Number: 282551114 1 1
Customer Ref: tjba-rolling-salley-st-landmark-260721
National Grid Reference: 394420, 418700
Site: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

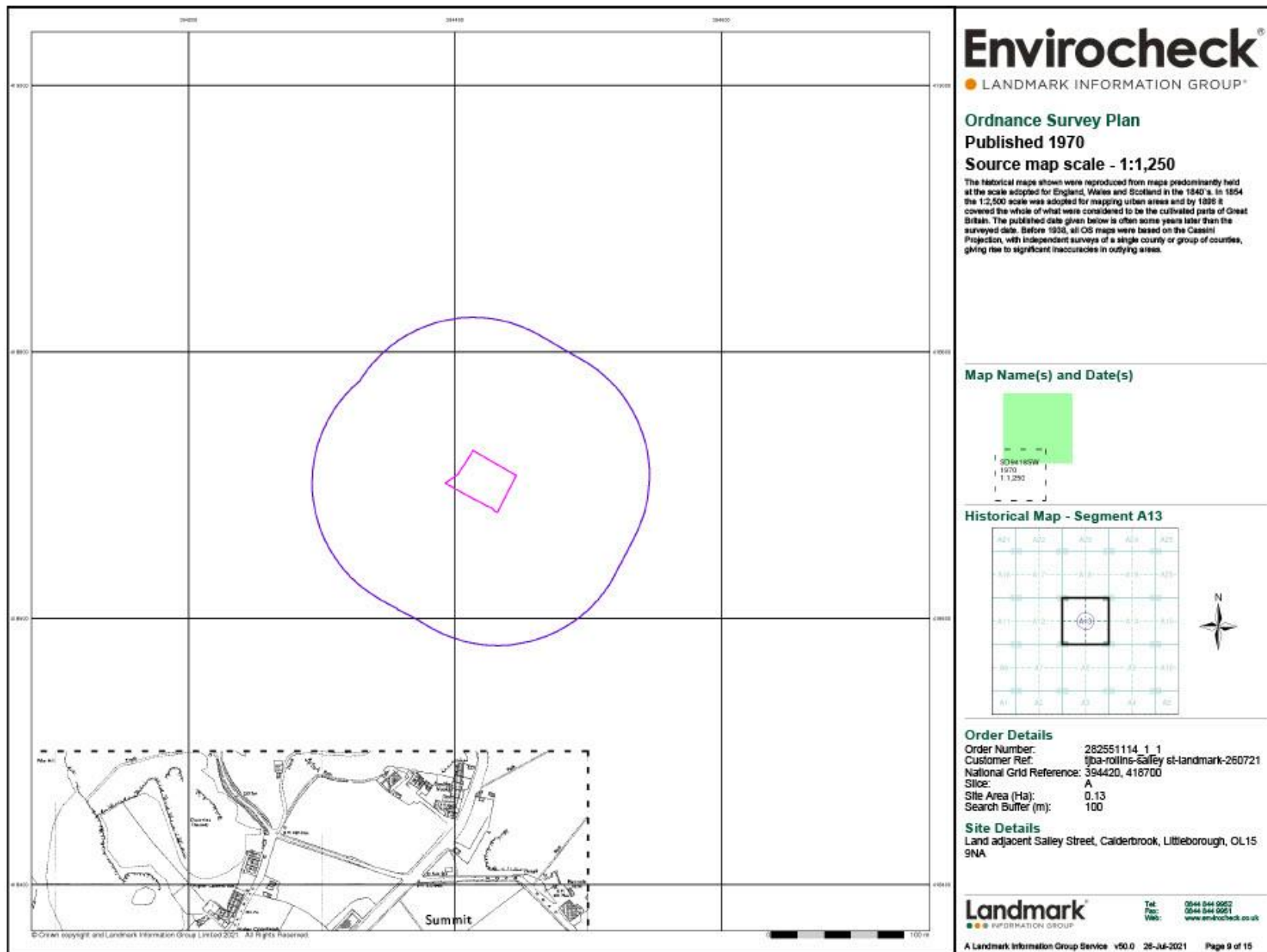
Land adjacent Salley Street, Calderbrook, Littleborough, OL15 9NA

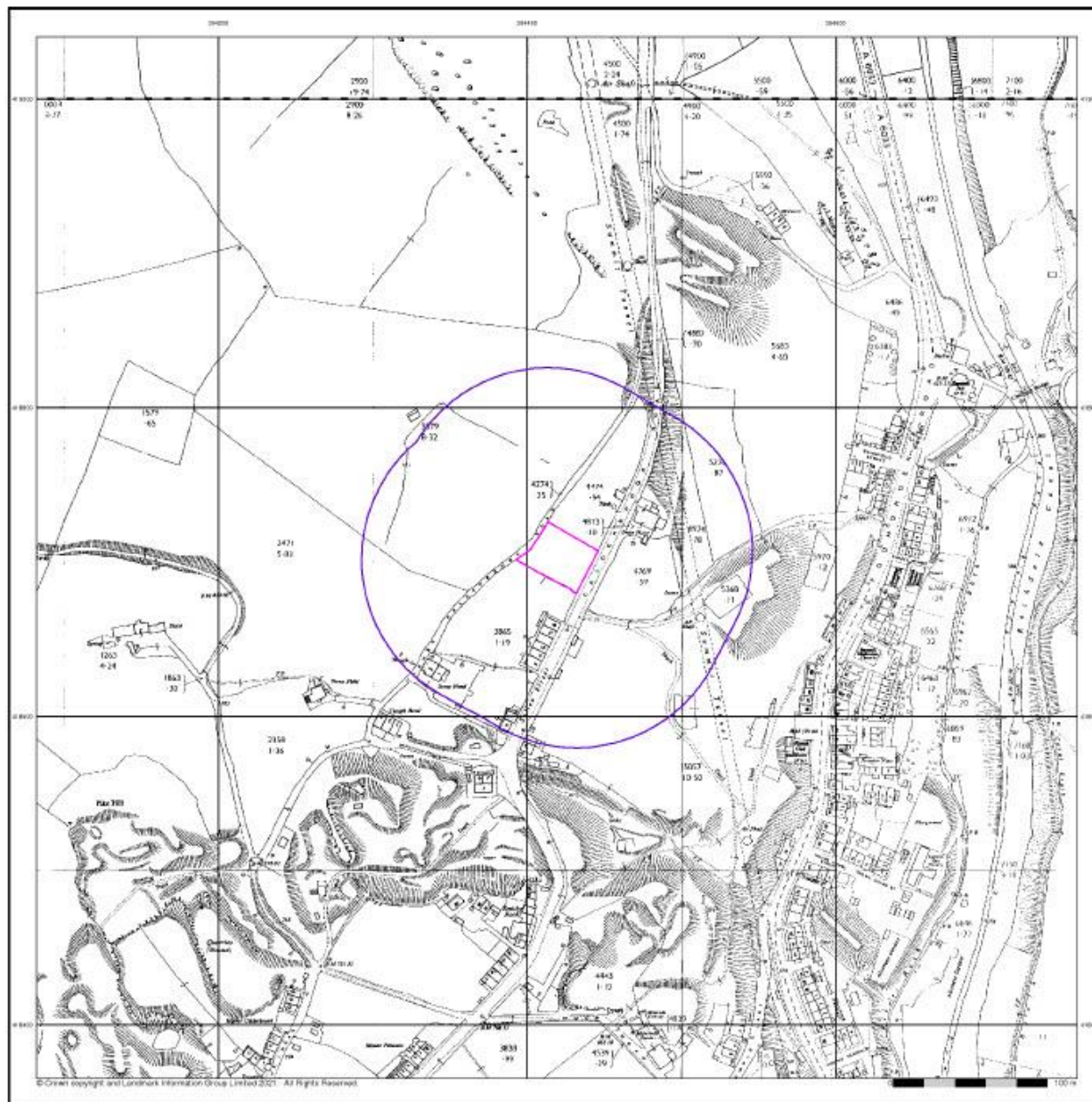
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Ordnance Survey Plan

Published 1963 - 1964

Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

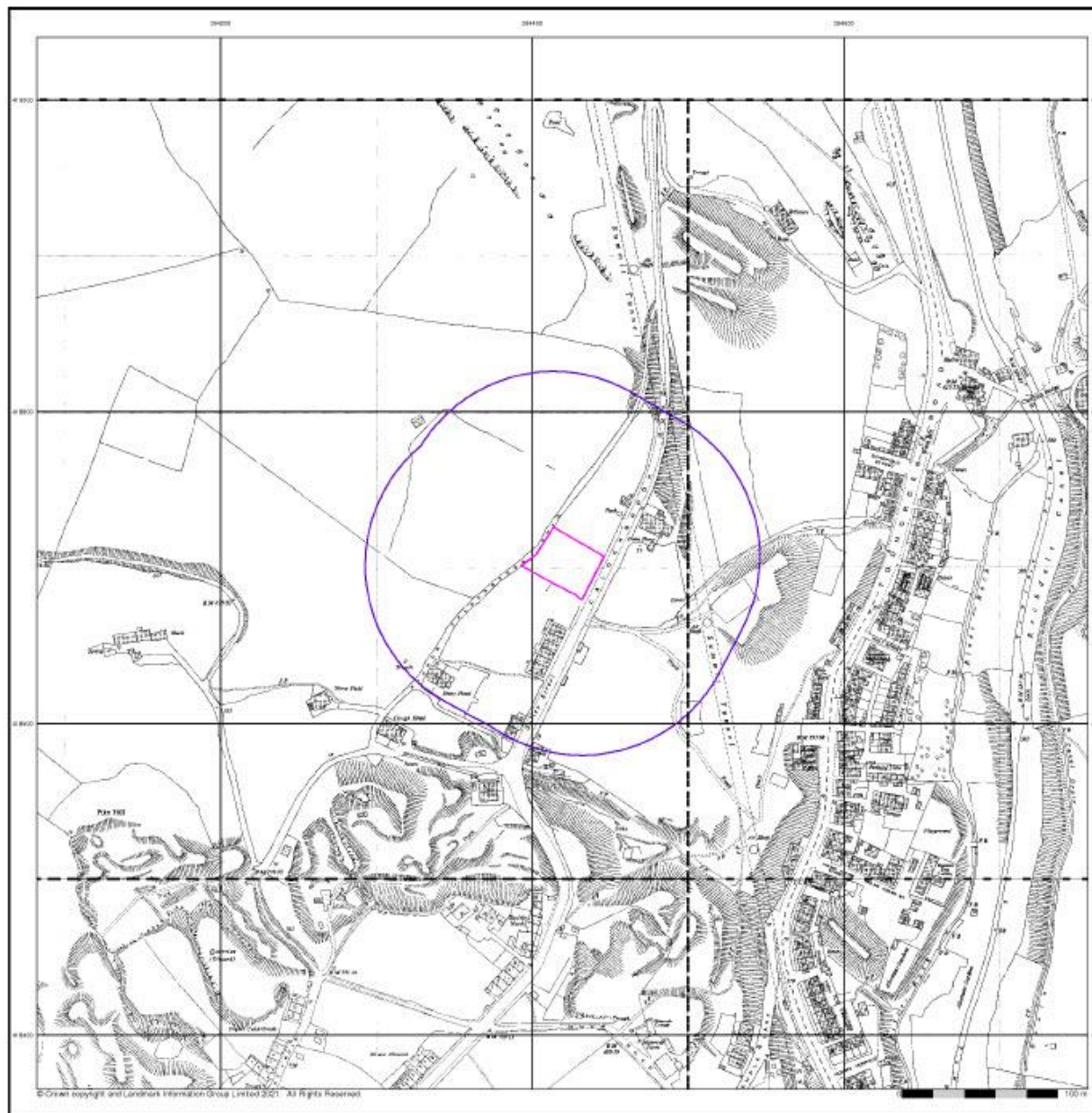
Order Number: 282551114 1 1
 Customer Ref: tba-rolling-salley-st-landmark-260721
 National Grid Reference: 394420, 418700
 S100: A
 Site Area (Ha): 0.13
 Search Buffer (m): 100

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Ordnance Survey Plan

Published 1961

Source map scale - 1:1,250

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Map Name(s) and Date(s)

SD9418NW 1961 1:1,250	SD9418NE 1961 1:1,250
SD9418SW 1961 1:1,250	SD9418SE 1961 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 282551114 1 1
Customer Ref: tba-rolling-salley st-landmark-260721
National Grid Reference: 394420, 418700
Site: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

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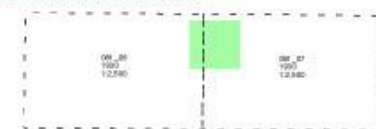
Lancashire And Furness

Published 1930

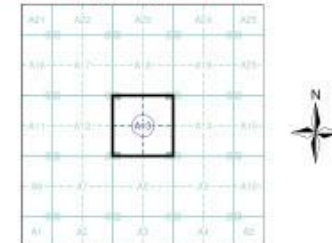
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1886 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 1850, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

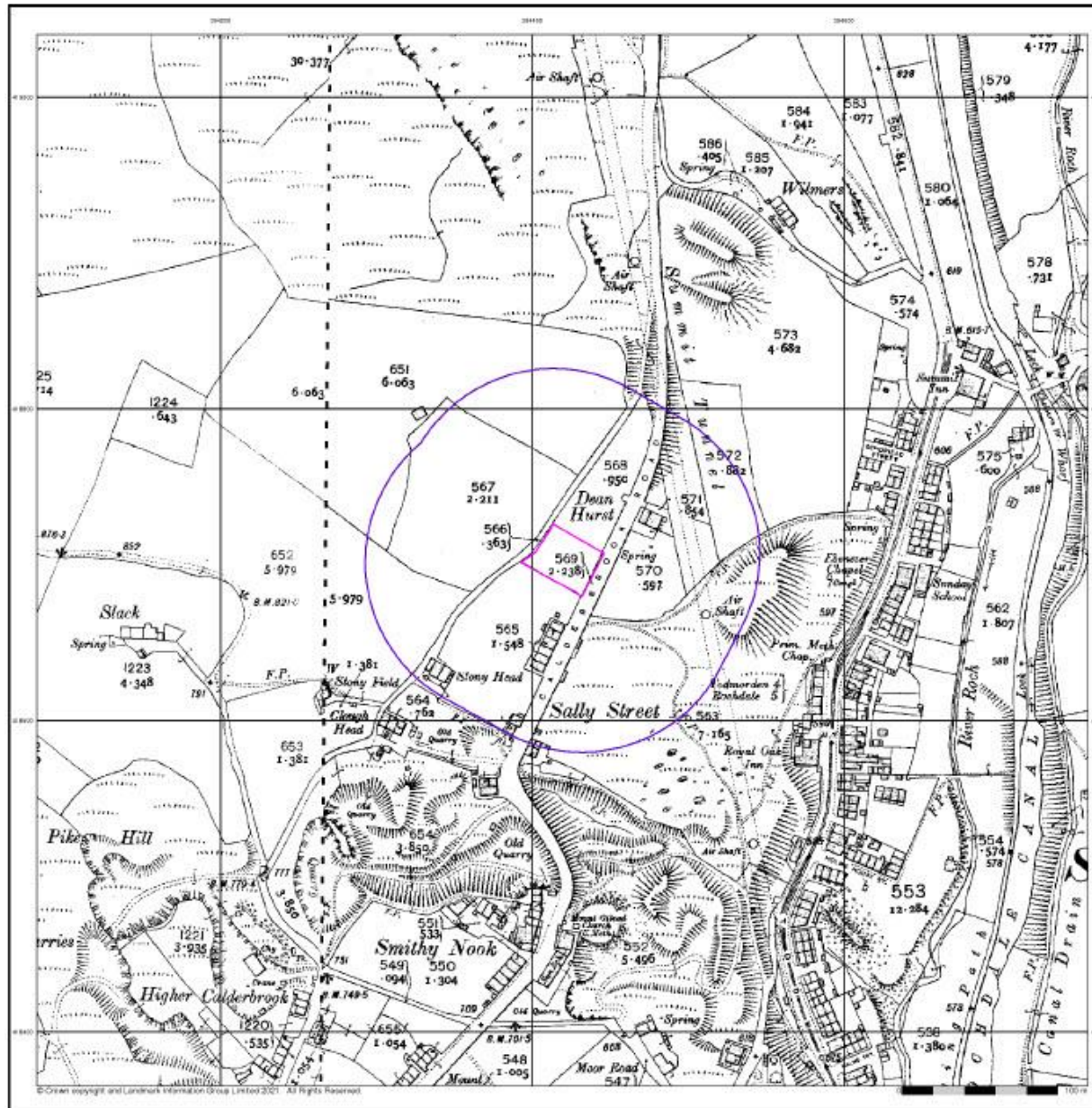
Order Number: 282551114 1 1
Customer Ref: tba-rolling-sally-st-landmark-260721
National Grid Reference: 394420, 418700
Site: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

Land adjacent Sally Street, Calderbrook, Littleborough, OL15 9NA

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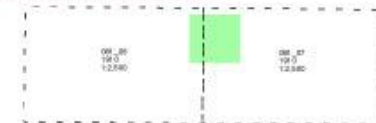
Lancashire And Furness

Published 1910

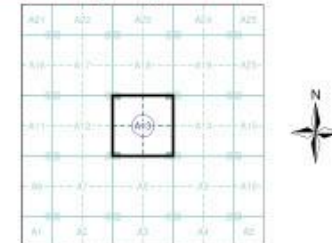
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1886 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 1850, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

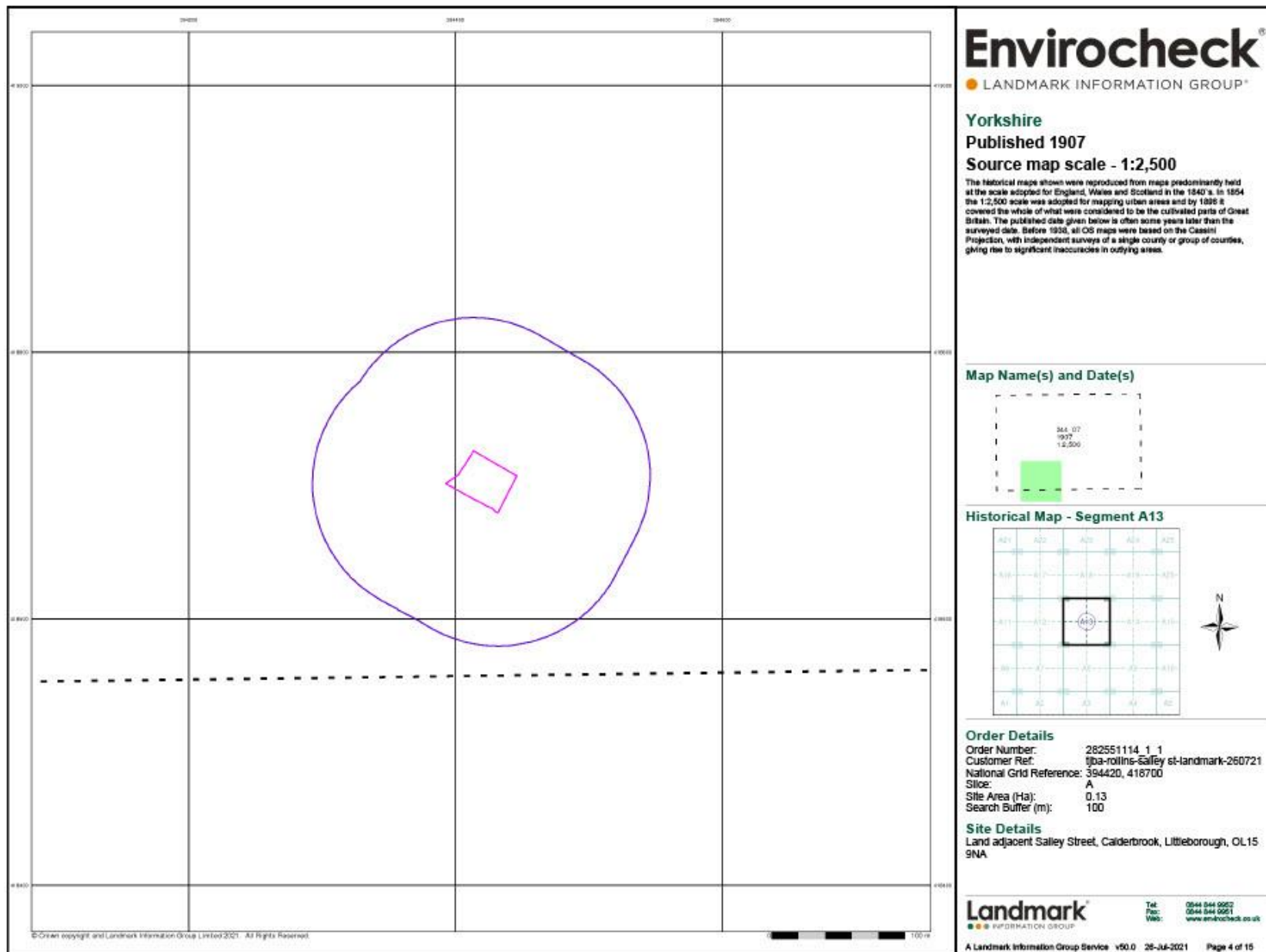
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 Customer Ref: tba-rollins-sally-st-landmark-260721
 National Grid Reference: 394420, 418700
 Slice: A
 Site Area (Ha): 0.13
 Search Buffer (m): 100

Site Details

Land adjacent Sally Street, Calderbrook, Littleborough, OL15 9NA

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Yorkshire

Published 1907

Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1886 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 1850, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

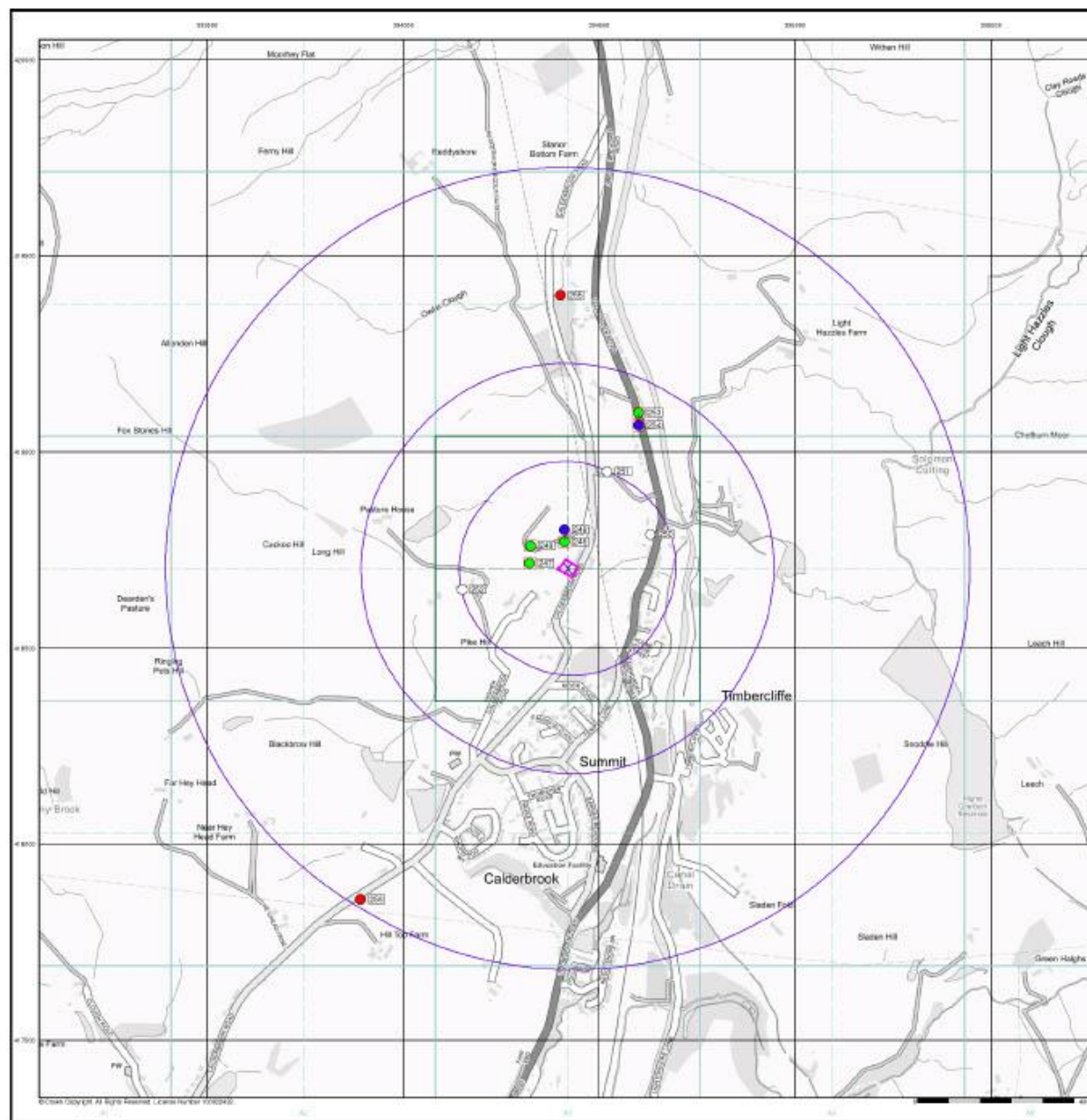
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Customer Ref: tjba-rolls-salley st-landmark-260721
National Grid Reference: 394420, 418700
Site: A
Site Area (Ha): 0.13
Search Buffer (m): 100

Site Details

Land adjacent Salley Street, Calderbrook, Littleborough, OL15 9NA

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General

- Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point
- Map ID
- Service 91 Type M Location

Agency and Hydrological (Boreholes)

- BGS Borehole Depth 3 - 10m
- BGS Borehole Depth 10 - 20m
- BGS Borehole Depth 20m +
- 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

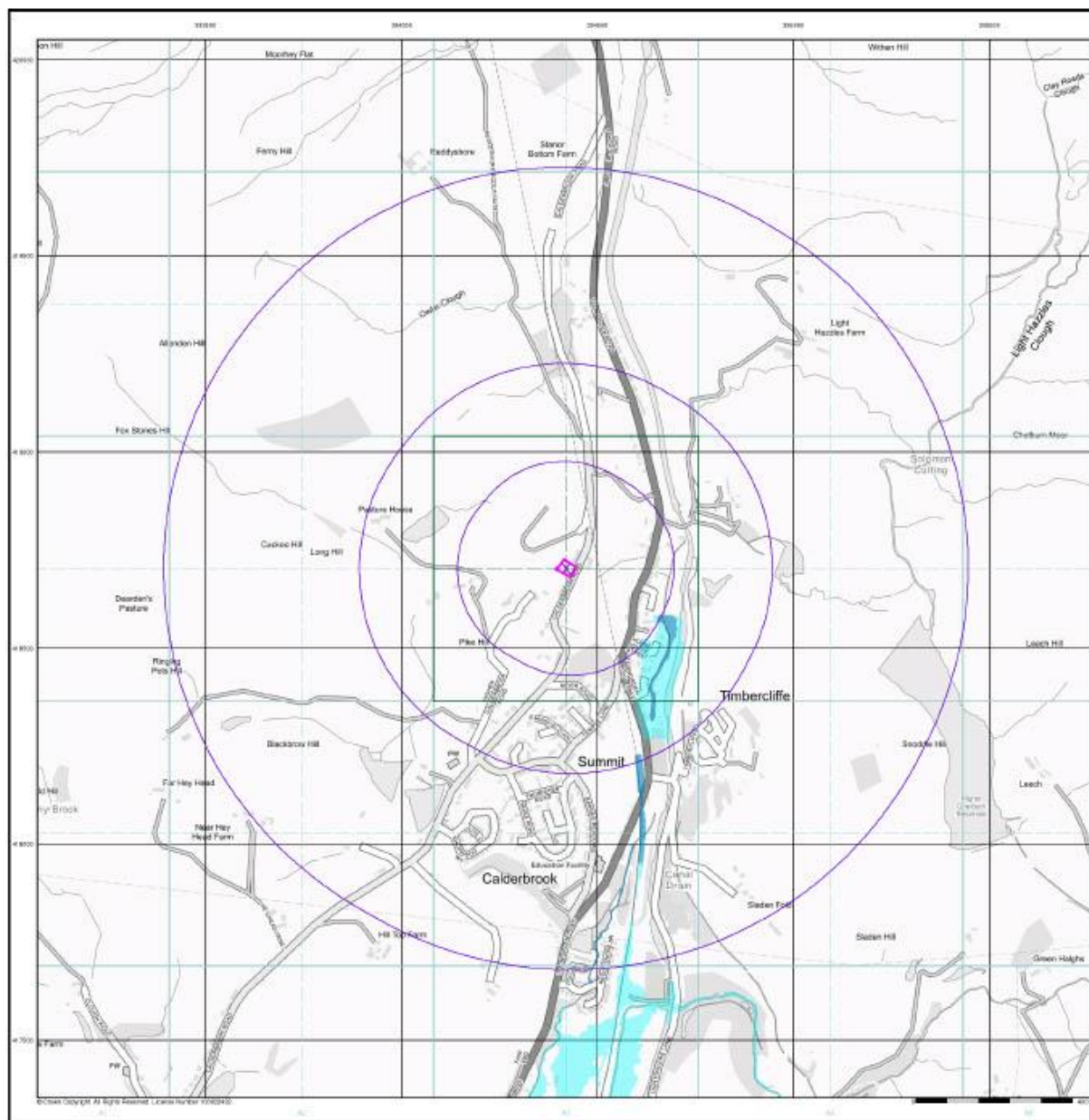
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 Customer Ref: tba-rollins-salley-st-landmark-260721
 National Grid Reference: 394420, 418700
 Slice: A
 Site Area (Ha): 0.13
 Search Buffer (m): 1000

Site Details

Land adjacent Salley Street, Calderbrook, Littleborough, OL15 9NA

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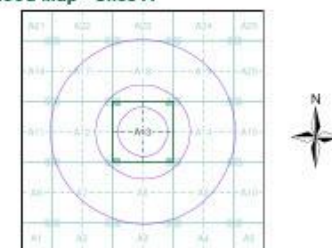
General

- Specified Site
- Specified Buffer(s)
- ✕ Design 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 Breaching from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A

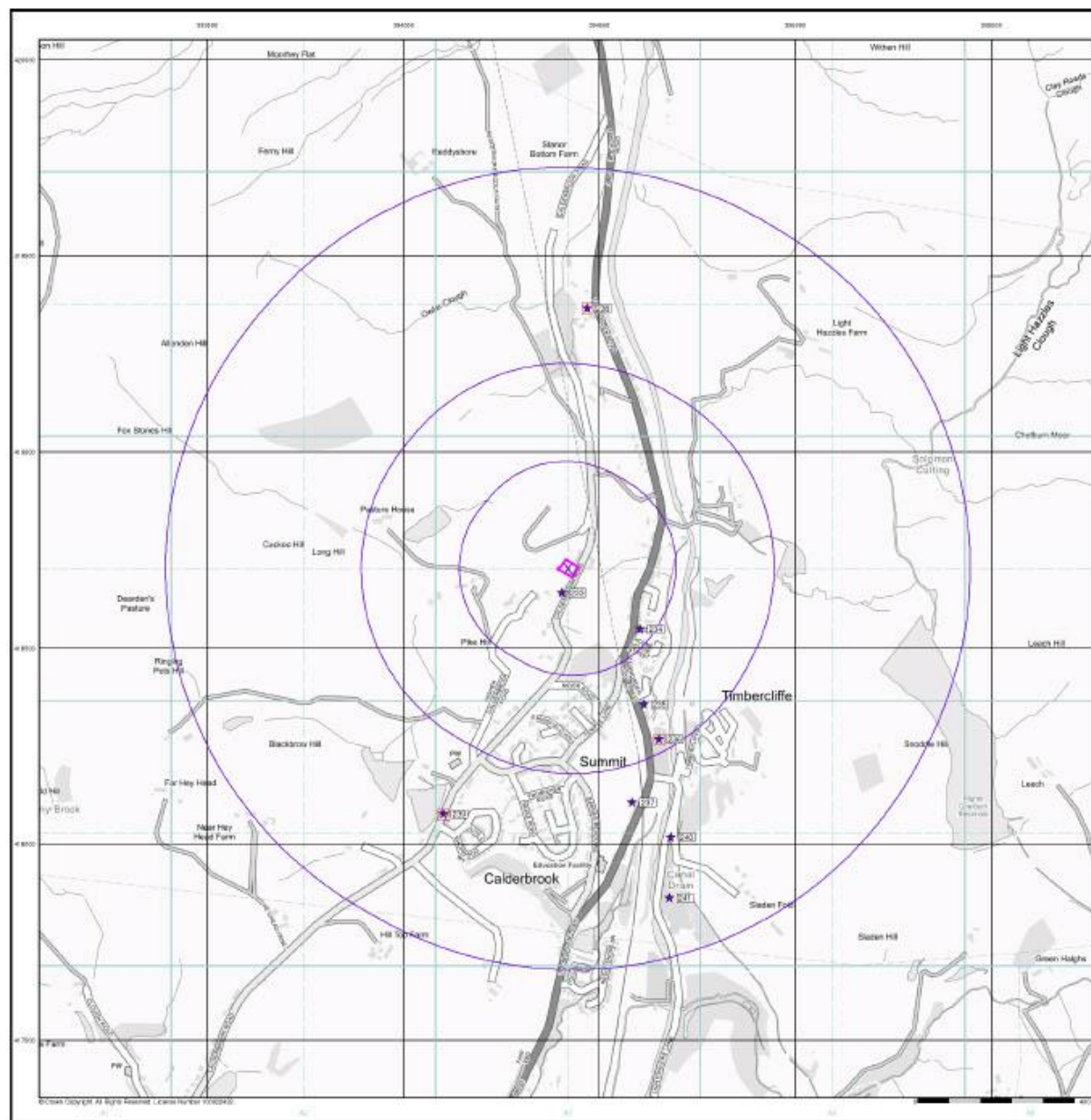


Order Details

Order Number: 282551114 1 1
 Customer Ref: tba-rollins-salley st-landmark-260721
 National Grid Reference: 394420, 418700
 Slice: A
 Site Area (Ha): 0.13
 Search Buffer (m): 1000

Site Details

Land adjacent Salley Street, Calderbrook, Littleborough, OL15
 9NA



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Industrial Land Use Map

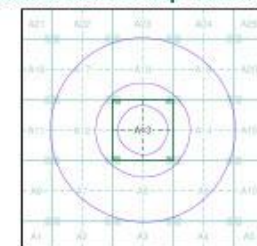
General

- Specified Site
- Search Buffer(s)
- Braking Reference Point
- Site
- MapID

Industrial Land Use

- Contaminated Trade Discharge Entry
- Fuel Storage Entry
- Oil Pipeline
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

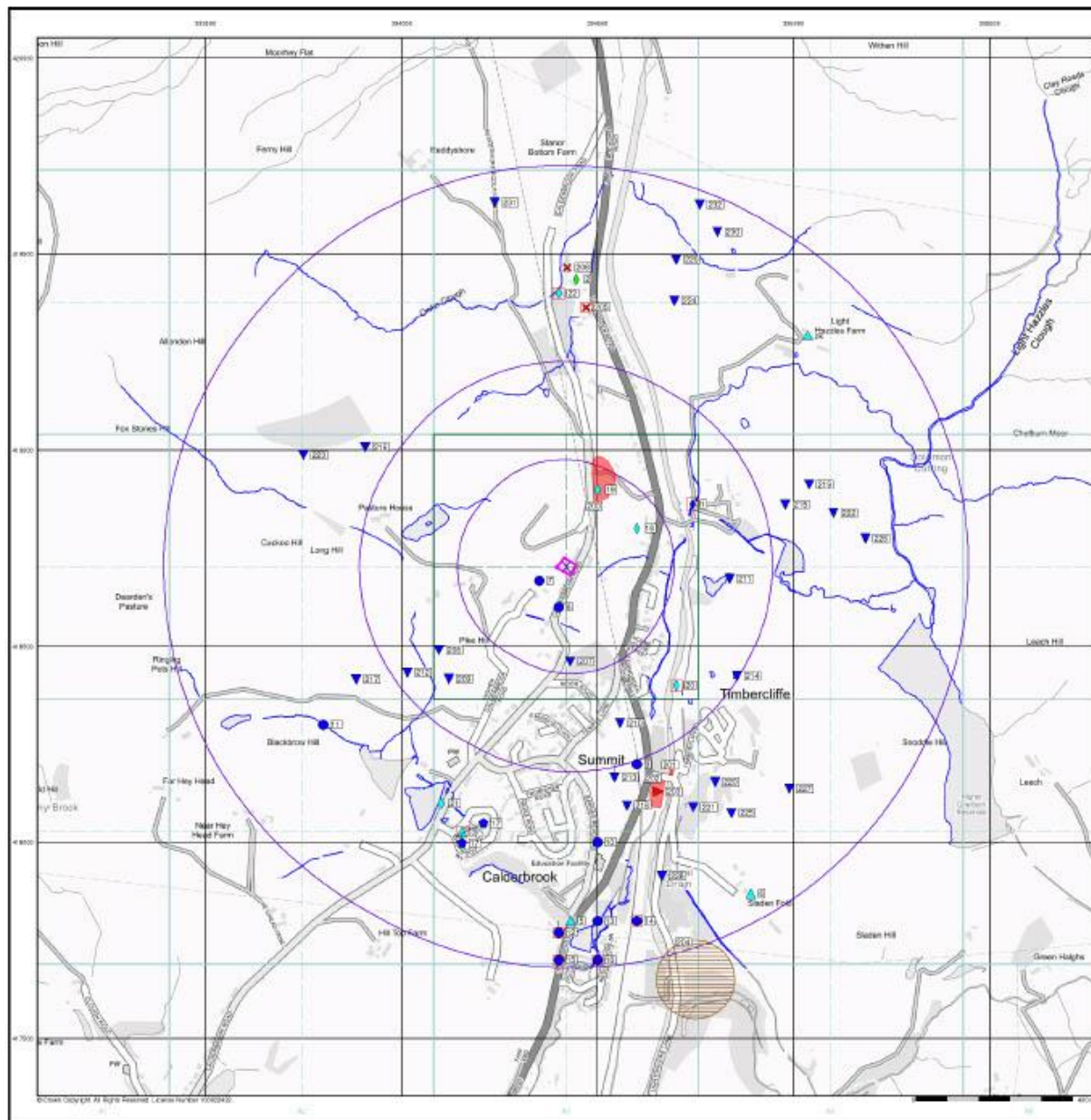
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 National Grid Reference: 394420, 418700
 Slice: A
 Site Area (Ha): 0.13
 Search Buffer (m): 1000

Site Details

Land adjacent Sailey Street, Calderbrook, Littleborough, OL15 9NA

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General

- Specified Site
 Specified Outlets
 Bearing Reference Port
 Map ID
  Reversal of Type of Location

Agency and Hydrological

- | | | | |
|--|--|--|---|
| | Contaminated Land Register Entry or Major Contamination | | BOS Registered Landfill Site (General) |
| | Contaminated Land Register Entry or Major Contamination | | BOS Registered Landfill Site |
| | Countryside Consent | | EA Historic Landfill (General) |
| | Conservation or Protection Notice | | EA Historic Landfill (Keyways) |
| | Integrated Pollution Control | | Integrated Pollution Control Registered Waste Site |
| | Integrated Pollution Prevention Control | | Licensed Water Management Facility |
| | Local Authority Integrated Pollution Prevention and Control | | Licensed Wastewater Treatment Plant |
| | Local Authority Pollution Prevention and Control | | Licensed Waste Management Facility (General) |
| | Local Authority Pollution Prevention and Control Enforcement | | Local Authority Registered Landfill Site (General) |
| | Pollution Incident to Controlled Waters | | Local Authority Registered Landfill Site |
| | Prevention Planning by Authorised Processes | | Registered Landfill Site (General) |
| | Prevention Planning by Controlled Waters | | Registered Landfill Site (Not Active in 2008) |
| | Registered Freshwater Substances | | Registered Landfill Site (Not Active in 2009) |
| | River Network or Water Feature | | Registered Waste Transfer Site (Active) |
| | River Quality Sampling Point | | Registered Waste Transfer Site |
| | Substantiated Pollution Incident Register | | Registered Waste Treatment or Disposal Site (General) |
| | Water Abstraction | | Registered Waste Treatment or Disposal Site |

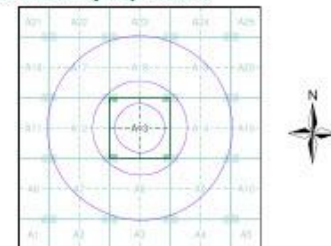
Geological

- DOI: 10.1002/anie.201100000

Industrial Land Use

- ★ Contemporary Trade Directory Entry
- ★ Fast Station Entry
- ★ Planning Hazardous Substance Control
- ★ Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice A



Order Details

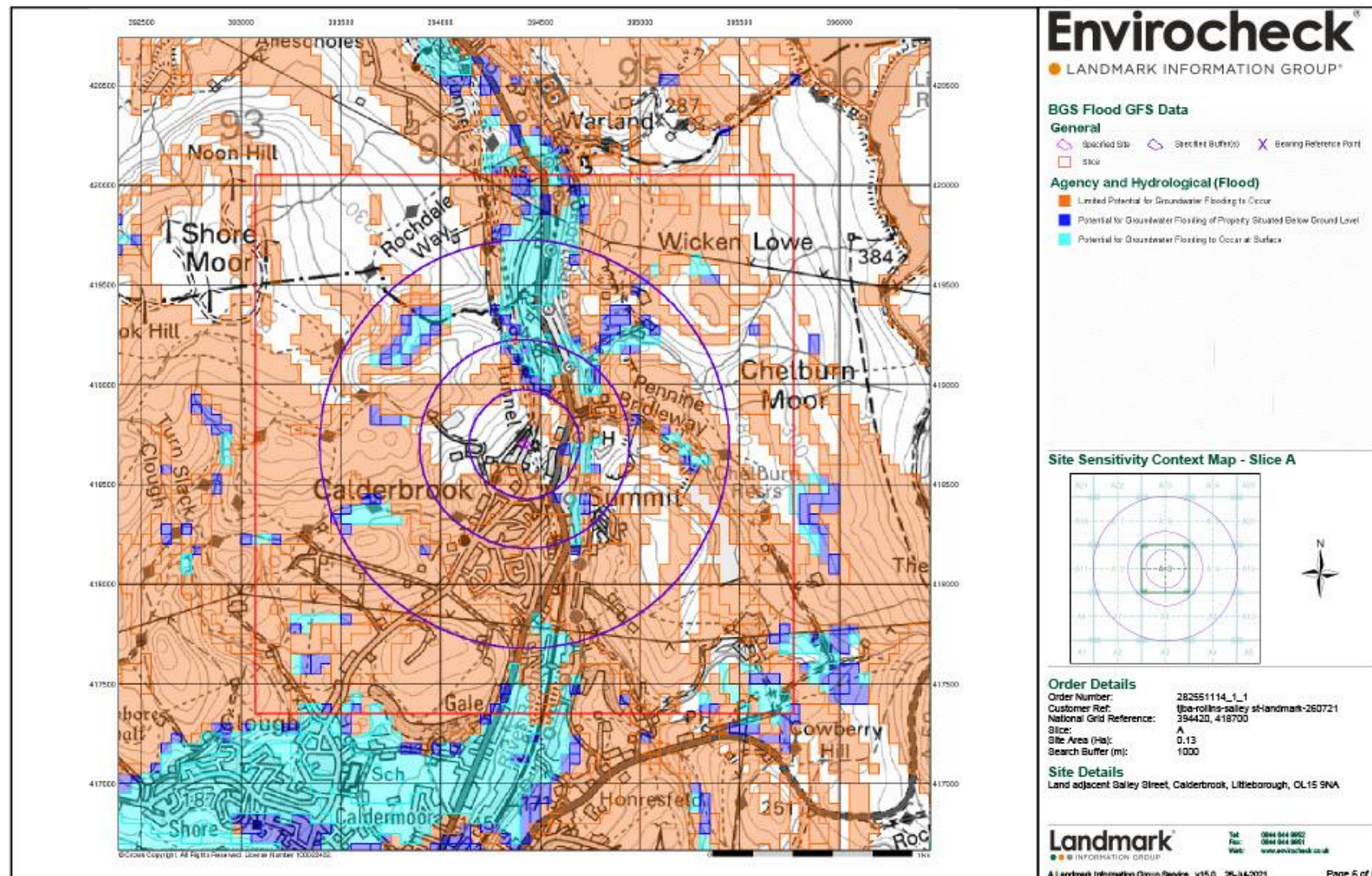
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Customer Ref: tjba-rolls-53alley st-landmark-260721
National Grid Reference: 394420, 418700
Site: A
Site Area (Ha): 0.13
Search Buffer (m): 1000

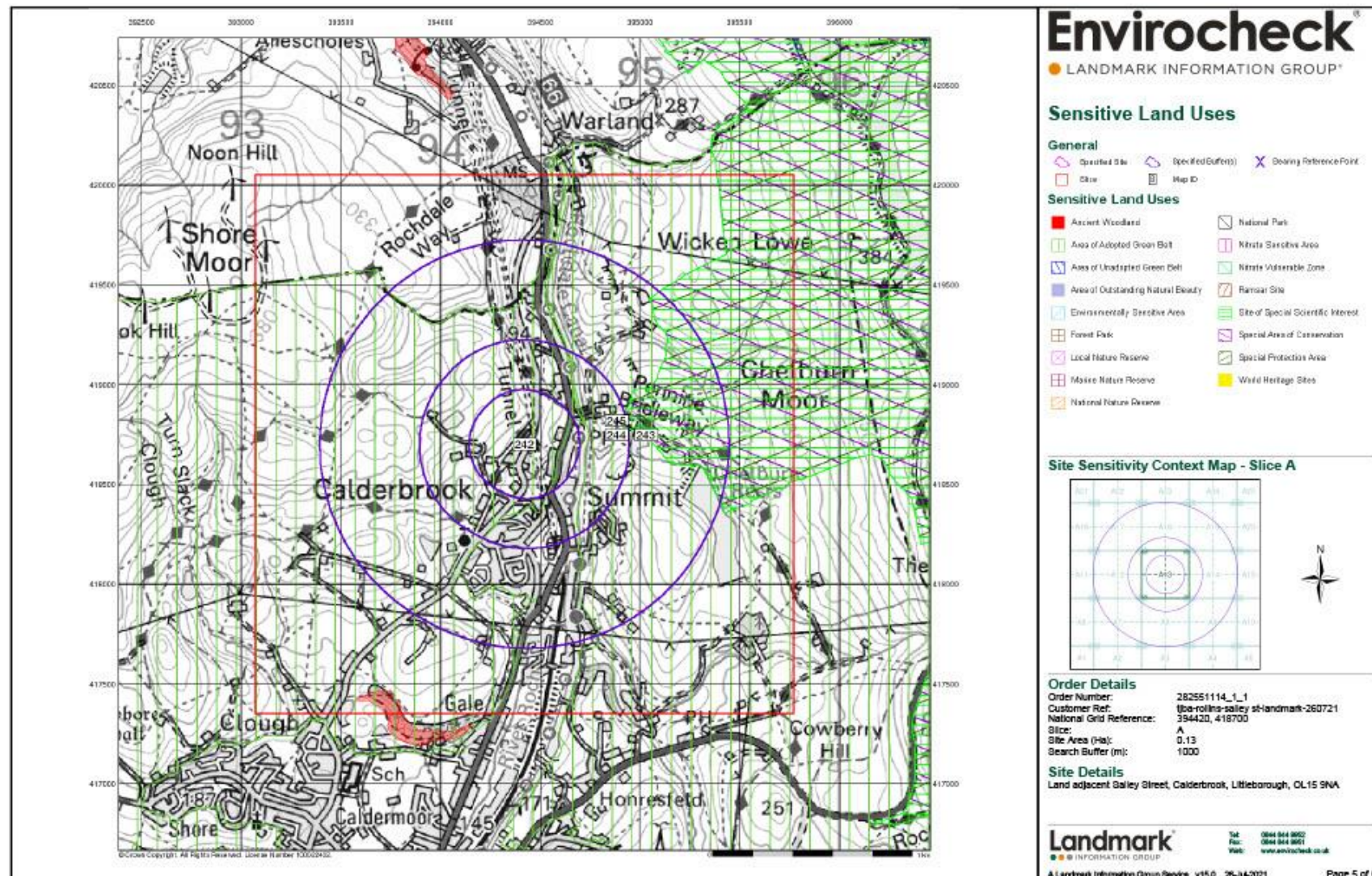
Site Details

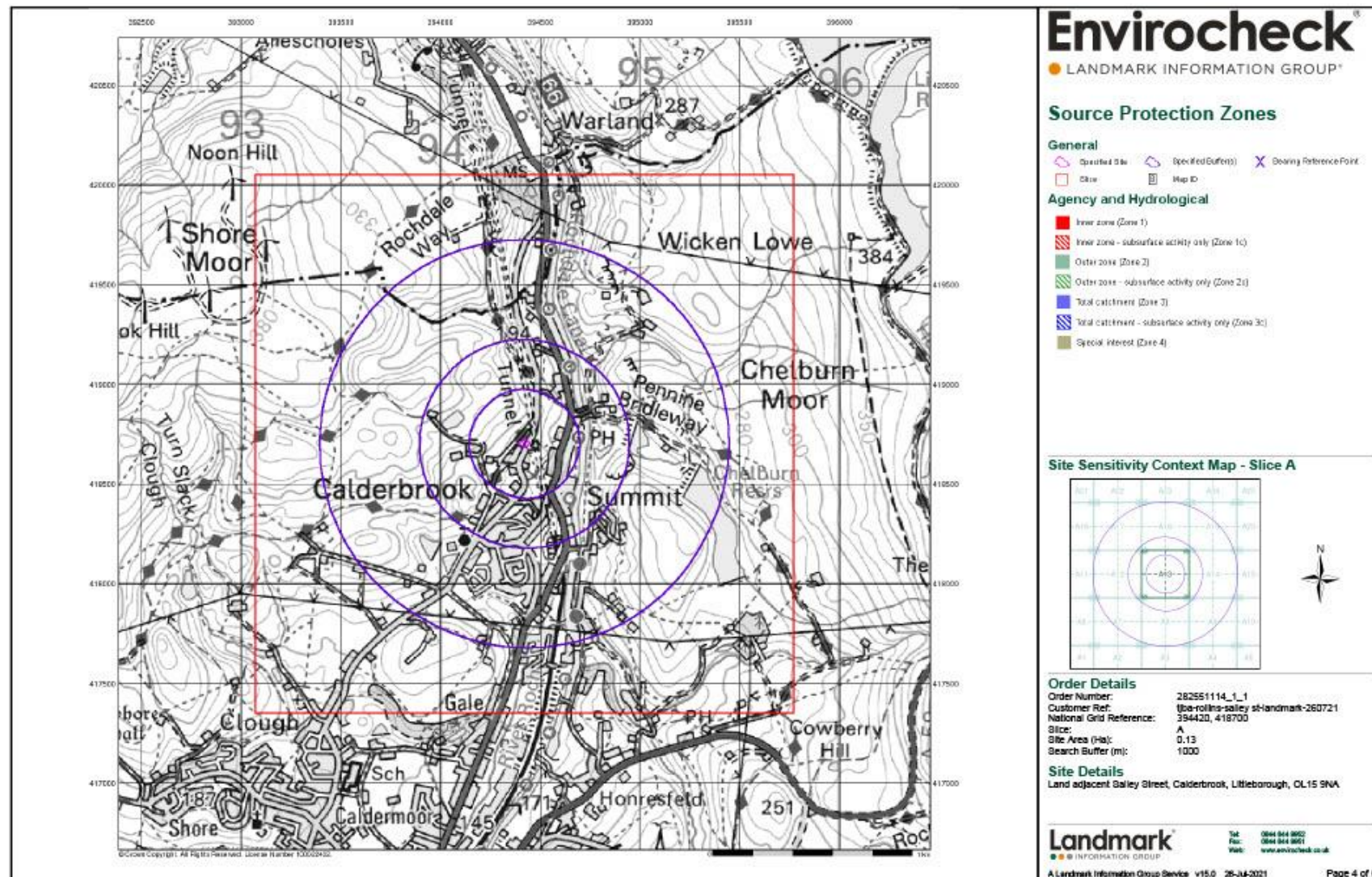
Land adjacent Sailey Street, Calderbrook, Littleborough, OL15 9NA

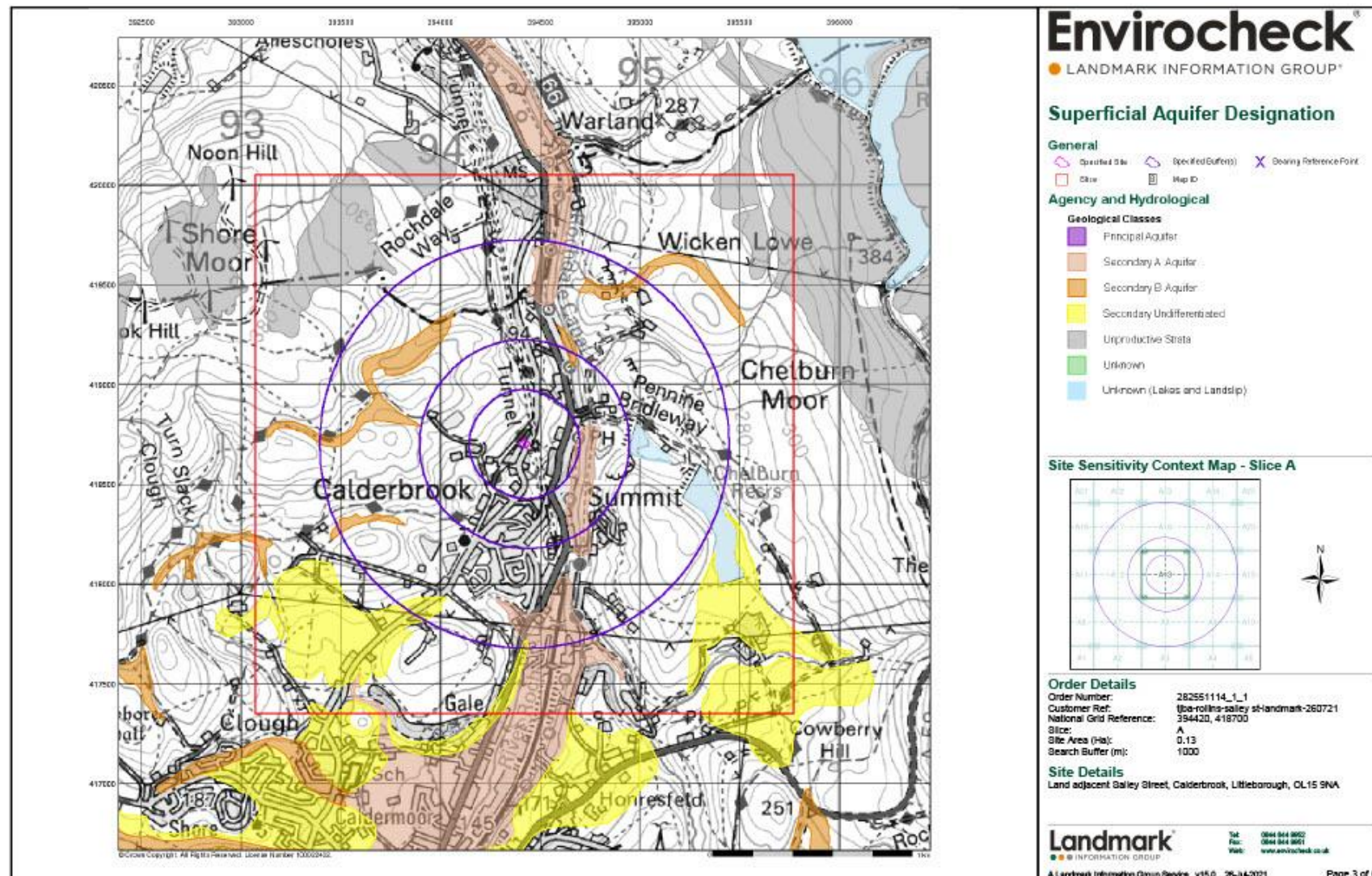
Landmark
INFORMATION GROUP

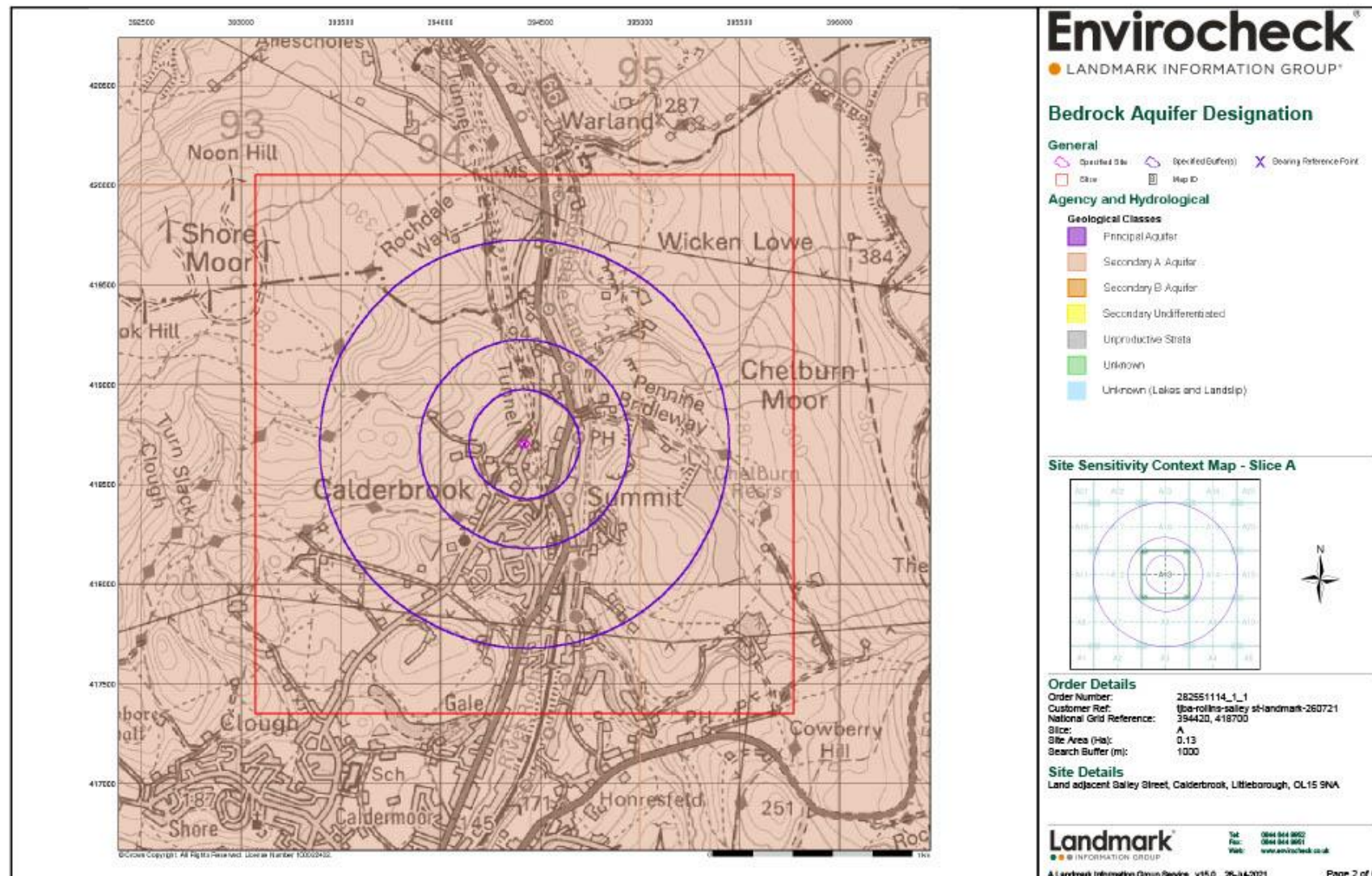
Tel: 0544 344 9952
Fax: 0544 344 9951
Web: www.envirocheck.co.uk

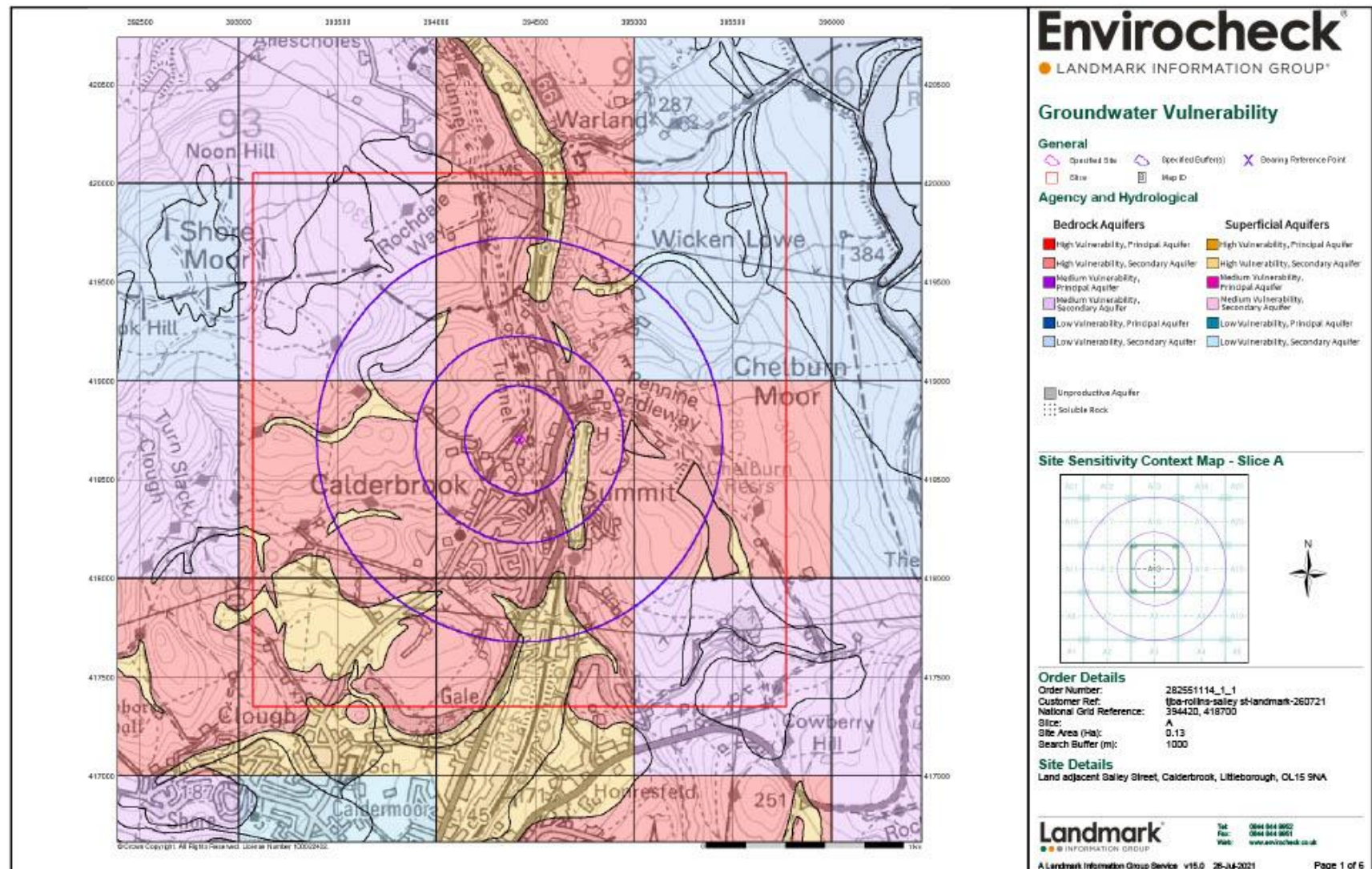


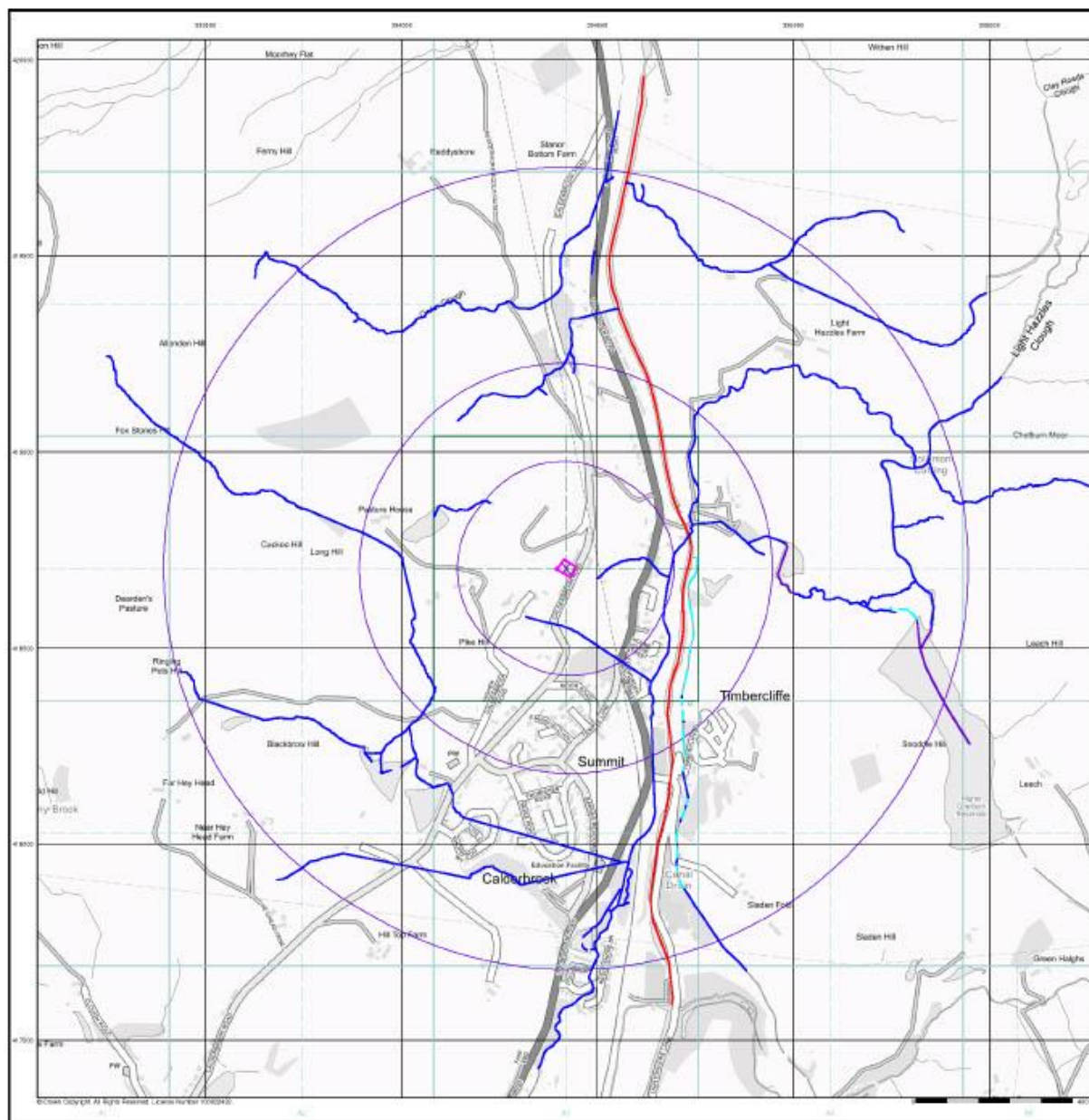












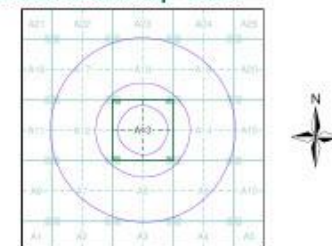
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General
 ○ Specified Site
 ○ Specified Buffer(s)
 X Bearing Reference Point

OS Water Network Data

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

OS Water Network Map - Slice A



Order Details

Order Number: 282551114 1 1
 Customer Ref: tba-rollins-salley st-landmark-260721
 National Grid Reference: 394420, 418700
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Site Details

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