The Iron Line, Millom

Phase 1 Preliminary Risk Assessment

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Client Name: Layer Studio

Client Address: Flintlab, 1 Slaters Road, Gosforth, Newcastle Upon Tyne, NE3 1DH

Site Address: The Iron Line, Millom, Cumbria, LA18 4LB

Curtins
Merchant Exchange
17-19 Whitworth Street West
Manchester, M1 5WG
Tel: 0161 236 2394
www.curtins.com

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Author	Signature	Date
J Provis BSc (Hons) MSc Graduate Geo-Environmental Engineer	[redacted]	30 May 2023
R Taylor BSc (Hons) MSc Geo-Environmental Engineer	[redacted]	08 April 2025

Reviewed	Signature	Date
R Stringer BSc (Hons) CGeol FGS EurGeol Principal Geotechnical Engineer	[redacted]	21 March 2023
N Farnworth BSc (Hons) MCIWEM C.WEM Principal Geo-Environmental Engineer	[redacted]	08 April 2025

Authorised	Signature	Date
N Farnworth BSc (Hons) MCIWEM C.WEM Principal Geo-Environmental Engineer	[redacted]	08 April 2025

Executive Summary

Appointment	Curtins were instructed by Layer Studio to undertake a Preliminary Risk Assessment of a site known as The Iron Line, Millom, Cumbria, LA18 4LB. The site is approximately 58 Ha in size centred on National Grid Reference SD 17877 79009. It is understood the project comprises e**rection of visitor centre with café/shop, group room, staff/volunteer, toilet facilities and car park; consolidation, repair and installation of interpretive sculpture to Towsey Hole Windmill; refurbishment of existing Tern Island hide; new bird hides, pathways, gateway features and street furniture; enhancement of wildlife habitats; associated landscaping and drainage infrastructure; and maintenance of byway with restricted vehicular access**.
Current Site Status	The site is a Site of Special Scientific Interest and comprises of RSPB Hodbarrow, and southern side of the Redhills Quarry. The Nature Reserve park covers the majority of the site and the Redhills Quarry may extend on to the North East of the. A sea wall is present bounding the south of the site, extending from east to west. Heritage and historic structures are present across the site such as the Hodbarrow Beacon & Lighthouse.
Geology	BGS mapping indicate the site is underlain by made ground, worked ground and infilled ground. Landfills are also recorded on the site. No superficial deposits are indicated to underly the site. The site is underlain by bedrock of Limestone formation, Martin Limestone formation, Low Furness Basal Formation and the Dalton Formation depending on area. The site is located in a low to high probability radon area where <1% to 30% of homes are estimated to be at or above the Radon Action Level. Development areas should be assessed individually with some areas likely to require protection measures and others will not. A BGS radon report should be procured for proposed buildings.
Site History	In the earliest historical mapping (mid 1800s) the site was largely undeveloped comprising predominantly marshland and part of the Duddon estuary with evidence of initial mineral extraction. The industrial premises of Redhills Quarry (North East) and Hodbarrow Iron Mine (South East) expand through the turn of century with various 'pits' and mining infrastructure and features evident (mineral railway, reservoirs, spoil heaps). An outer sea barrier was constructed in the south of site by 1924 with marshland and ponds then occupying the area inside to sea wall to the west/north of site. By 1968 the mine was closed, the extensive rail network within the site was dismantled and buildings are disused. By 1986 the majority of the site was converted into a nature reserve. The remaining buildings associated with the mine and quarry workings were dismantled, the majority of spoil and slag pits were seemingly removed, reservoirs throughout the site were infilled.
Potential Geohazards	The following geohazards have been identified: • Potential for soft / loose organic soils associated with marshland with a low bearing capacity and potential for excessive settlement. • Potential for Made Ground associated with mining / structures. Made Ground is considered to be an unsuitable founding stratum, due to its poor geotechnical properties, variability, and compressibility. • Potential for unrecorded mine shafts. • Infilled pits / reservoirs may contain deep Made Ground which may preclude the use of shallow foundations. • Potential for buried infrastructure and obstructions associated with structures such as reservoirs and the railway. • Potential for subsidence / collapse associated with underground iron mining. • Potential for aggressive ground conditions with regards to chemical attack on buried concrete. • Potential for fractured bedrock associated with fault zones.
Initial Ground Contamination Assessment	The risk from Made Ground posed to the site's end-users and construction workers is considered to be **Moderate** based on nature of uses of the site including mineral extraction and landfilling. The risk posed to groundwater and surface water is considered to be **Moderate**. The risk posed to site end-users from ground generating gases arising from organic/putrescible soils and mine workings is considered to be **Moderate.**
Recommendations	The following recommendations are made for works advance of any development works taking place. • Undertake a Detailed Mining Risk Assessment for the site/ development areas to categorise and understand the extent of mining risk pertaining to the development area. As part of this mine plans and other mining records pertinent to the proposed development site should be obtained where possible; • Depending on the findings of the Detailed Mining Risk Assessment, undertake an intrusive ground investigation to determine the extent of shallow mining under the footprint of the proposed development area; • Undertake an intrusive ground investigation to determine foundation solutions and other geotechnical design parameters. • Undertake an intrusive ground investigation to determine extent of contamination, for soil and water; • Undertake a GQRA as part of the ground investigation; • Procure BGS radon report specific to areas of the site where buildings are proposed; • Undertake ground gas monitoring over a period of three months for potential hazardous gases; • The Mining Risk Assessment should be further updated following completion of an intrusive investigation. • Subject to findings of ground investigation, undertake a Remediation Strategy outlining required remedial actions and subsequent validation/completion report.

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1.0 Introduction

1.1 Project Background

Curtins were instructed by Layer Studio to undertake a Phase 1 Preliminary Risk Assessment of a site known as The Iron Line, Millom, Cumbria, LA18 4LB.

The location and extent of the site is shown in *Figure 2.1* on the following page. It is understood the project comprises erection of visitor centre with café/shop, group room, staff/volunteer, toilet facilities and car park; consolidation, repair and installation of interpretive sculpture to Towsey Hole Windmill; refurbishment of existing Tern Island hide; new bird hides, pathways, gateway features and street furniture; enhancement of wildlife habitats; associated landscaping and drainage infrastructure; and maintenance of byway with restricted vehicular access.

Proposed development plans are enclosed in Appendix A.

1.2 Scope of Services

The Preliminary Risk Assessment is intended to provide an overview of the geological and historical setting of the site of interest, taking into consideration the sites iron mining legacy and potential contamination. The report provides an assessment of the risks that could be presented to site end users and the built environment and an initial Conceptual Site Model.

Additionally, the Preliminary Risk Assessment makes recommendations for the extent and nature of any additional work required to the further assess or mitigate the environmental and geological risks.

Proposed development drawings for the site are included in *Appendix A*.

2.0 Current Site and Surrounding Area Details

2.1 Site Location and Current Details

Site use, location and description are shown below in *Table 2.1* and *Figure 2.1*.

Table 2.1 – *Site Details*

Site Address	The Iron Line, Millom, Cumbria, LA18 4LB
National Grid Reference	SD 17877 79009
Area of Site	Approximately 57.69 Ha
Current Site Use and Description	The site comprises of RSPB Hodbarrow and southern side of the Redhills Quarry (owned by Cumbria County Council). The Nature Reserve park covers the majority of the site and the Redhills Quarry may extend on to the northeast of site. A sea wall is present bounding the south of the site, extending from east to west. Heritage and historic structures are present across such as the Hodbarrow lighthouse and Hodbarrow Beacon. The site is a Site of Special Scientific Interest (SSSI), Ramsar Site, Special Protection Area and Special Area of Conservation.

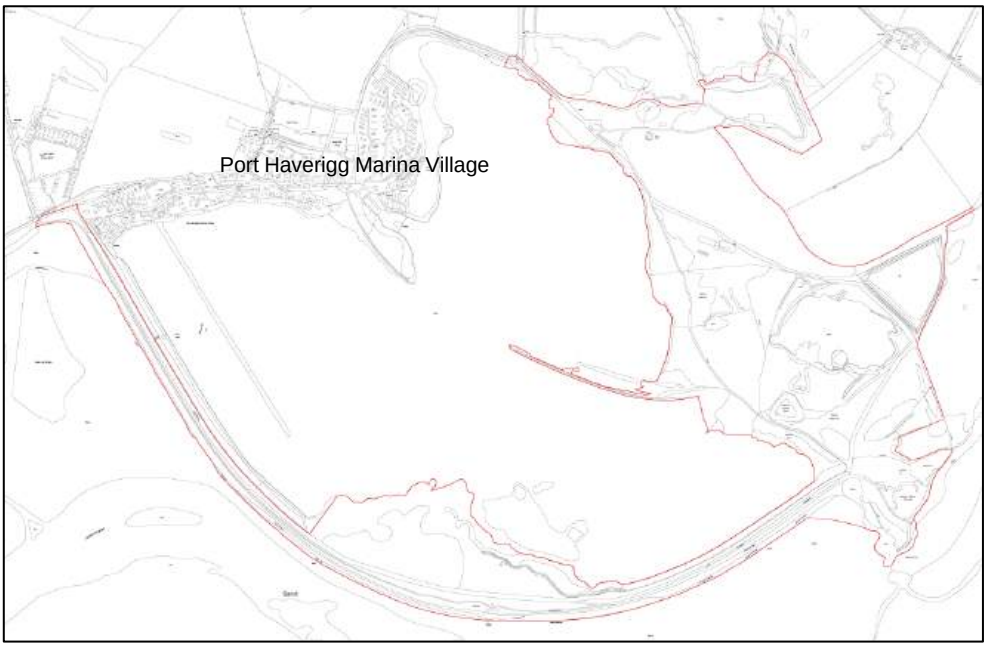


Figure 2.1 *– Site Location Plan (site boundary shown in red).*
Extract from received Site Location Plan, shown in ***Appendix A****.*

It should be noted that the Envirocheck report was procured for a slightly different site boundary, Reappraisal of the Envirocheck report has been undertaken with respect to the current site boundary shown in Figure 2.1.

2.2 Surrounding Area Details

The following information was established through undertaking an environmental database search (Envirocheck report (Ref.1) included in *Appendix B*).

Table 2.2 – *Surrounding Land Uses*

Surrounding Area	**N**	Redhills Quarry/Raceway, Millom beyond: Residential dwellings, commercial premises and green space.
	E	Green space and farmland
	S	Millom Beach, Whiterock Beach and the Duddon Estuary
	W	Haverigg: Residential dwellings, commercial premises and green space

3.0 Site History

A review of the available historical mapping and other information for the site with specific reference to mining activities, as presented within the Envirocheck Report (Ref.1), has been undertaken and is presented in *Table 3.0* below.

Table 3.0 – *Previous Site and Surrounding Area Uses and Potential Sources of Contamination.* ***Bold text refers to on-site activity.***

Date	Description	Potential Sources of Contamination
1850 – 1898	**Earliest mapping records show the site to be largely undeveloped comprising predominantly marshland and part of the estuary except for evidence of mineral extraction. The original channel and path of the 'Brow Deep' is noted cutting through the 'Cockle Beds' and 'Muscle' Beds through the south of the site. The industrial premises of Redhills Quarry (North East) and Hodbarrow Iron Mine (South East) can be seen in the 1867 Historical Map, including the Hodbarrow scar, an engine house, the Old Windmill and a shaft in the South East of the site.** The surrounding area is also largely undeveloped fields with Haverigg to the west and Millom to the north. At this time Haverigg and Millom are small villages with residential housing, farmland and wells. Steel Green, a small housing with a well, is located 850m west of the Redhill Quarry.	• Potential for uncontrolled deposition of Made Ground and mine spoil associated with the construction and workings of the Redhill Quarry and Hodbarrow Iron Mine grounds. • Potential for gas generation from organic soils associated with Marshland and the Duddon Estuary on the southern boundary.
1898 - 1923	**By 1898 Redhill Quarry and Hodbarrow Iron Mine had undergone a significant expansion, with various 'pits' noted across the east of the site and addition of a major rail network, the construction of reservoirs and a number of spoil pits across the East of the site area. The Hodbarrow Lighthouse, later the Hodbarrow Beacon, is constructed in the South East of the site, along with the Hodbarrow Sea Wall extending across to Steel Green.** Steel Green had been expanded with the addition of Hodbarrow Hospital and additional residential dwellings. The Millom Iron Works Railway, Hodbarrow Mines Railway and Furness Railway extend towards the North East, from the Hodbarrow Iron Ore Mines away from the site. Haverigg is shown to have undergone a significant residential expansion with the addition of St. Luke's church, a school and the concrete square. The construction of the Hodbarrow Sea wall redirected the previous Brow Deep river to two new channels called the Duddon Channel and the smaller Swash Channel. The sea wall had also caused the creation of the Duddon sands, a large area of sands previous occupied by the Cocle and Muscle Beds.	• Potential for spillages and leakages of fuel oils used in industry. • Potential for uncontrolled deposition of Made Ground during on site and surrounding area construction. • Potential for gas generation from organic soils associated with the redirection and subsequent silting of the Brow deep to the Duddon Channel and Duddon Sands.

Date	Description	Potential Sources of Contamination
1923 - 1968	**By 1924 the Outer Barrier was constructed at the south of the site, a large seawall extending further out into the Duddon Channel. The sea wall extends between the Peninsular of Hodbarrow to the East and the west end of Moor Bank towards Haverigg, including the new lighthouse constructed within the centre of the barrier. During this time the spoil pit areas increased and a reservoir to the south east of the site is infilled.** The outer barrier construction causes a heathland and marshland to occupy the area inside of the barriered area. With time lakes and ponds form within this area. The presence of the new barrier causes the Duddon channel to be reroute further south towards the estuary mouth. Haverigg continues to expand with residential dwellings, commercial buildings and public spaces.	• Potential for uncontrolled deposition of Made Ground during outer barrier construction. • Potential for gas generation from organic soils associated with suspected infilling of reservoir in the south east of the site.
1968 - 1986	**During 1968 the mine is closed. Anecdotal evidence suggests subsidence of the Inner Sea Barrier caused the collapse and subsequent flooding of the Hodbarrow mine.** **The extensive rail network within the site are dismantled and buildings are disused. Disused spoil pits remain during this time, a slag heap is noted in the east of the site. Buildings surrounding the Arnold and Annie Lowther Pits are dismantled.** **The area behind the outer barrier becomes gravelled and the lighthouse becomes disused.** Large scale dismantling of the mine infrastructure can be seen from the east side of the site to the west, where it joins with the outer barrier. The dismantling in this area includes the mineral railway, shafts and William Pit. Haverigg to the west continues to expand with both commercial and residential buildings, such as a Tannery.	• Potential for uncontrolled deposition of Made Ground during dismantling and demolition of buildings and infrastructure associated with the iron mine and quarry. • Potential for gas generation from organic soils associated with the continued expansion of the marsh. • Potential for ground contamination and gas contamination from the disused spoil and slag pits throughout the site.
1986 - Present	**During 1986 the majority of the site is converted into a Nature reserve. The remaining buildings associated with the mine and quarry workings are dismantled, the majority of spoil and slag pits are removed, reservoirs throughout the site are infilled. One shaft remains depicted within the northern area of the site.** **Tracks are created within the site for walking access. Heritage buildings such as the Old Mill, Hodbarrow Beacon and Hodbarrow Lighthouse remain. The Hodbarrow sea wall is reduced in size to allow the connection between lakes.** The area behind the outer barrier sea wall is flooded to create a large lake area. New areas of land are created for the nature reserve just off the outer barrier and within the northern area of the lake, next to Steel Green. The Port Haverigg Holiday Village and Marine is created on the north and west of the lake. Haverigg continues to expand with additional residential, commercial and holiday homes.	• Potential for uncontrolled deposition of Made Ground during demolition within the site. • Potential for gas generation from organic soils associated with infilling of reservoirs, spoil and slag heaps across the site.

Potential sources of onsite contamination are further discussed in *Section 6.0*.

4.0 Geology, Hydrogeology and Hydrology

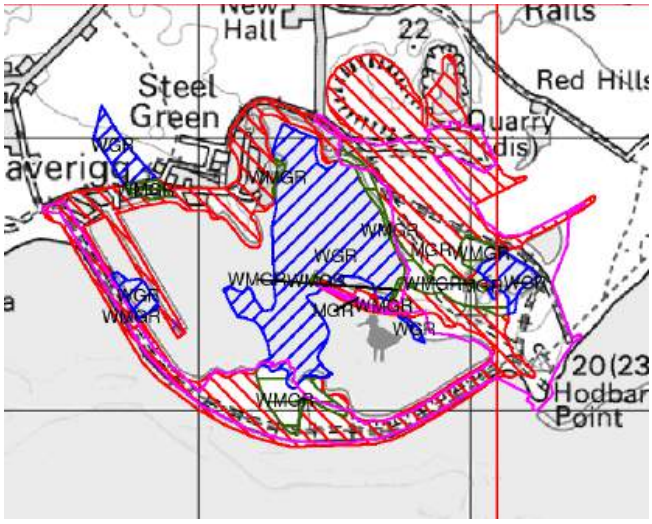
The information presented has been prepared with reference to the following information sources:

- Envirocheck (Ref.1);
- British Geological Society (BGS) 1:50,000 mapping records (Solid) Ulverston Sheet 048 (Ref. 2);
- BGS Borehole Records (opensource website) (Ref. 3);

4.1 Geological Setting

4.1.1 Artificial Ground

Geological Maps indicate the site is heavily worked, as such the presence of Worked and Made Ground is wide spread across the site, as shown in *Figure 4.1.1* below.



Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WMGR	Infilled Ground	Artificial Deposit	Not Supplied - Holocene
	WGR	Worked Ground (Undivided)	Void	Not Supplied - Holocene
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene

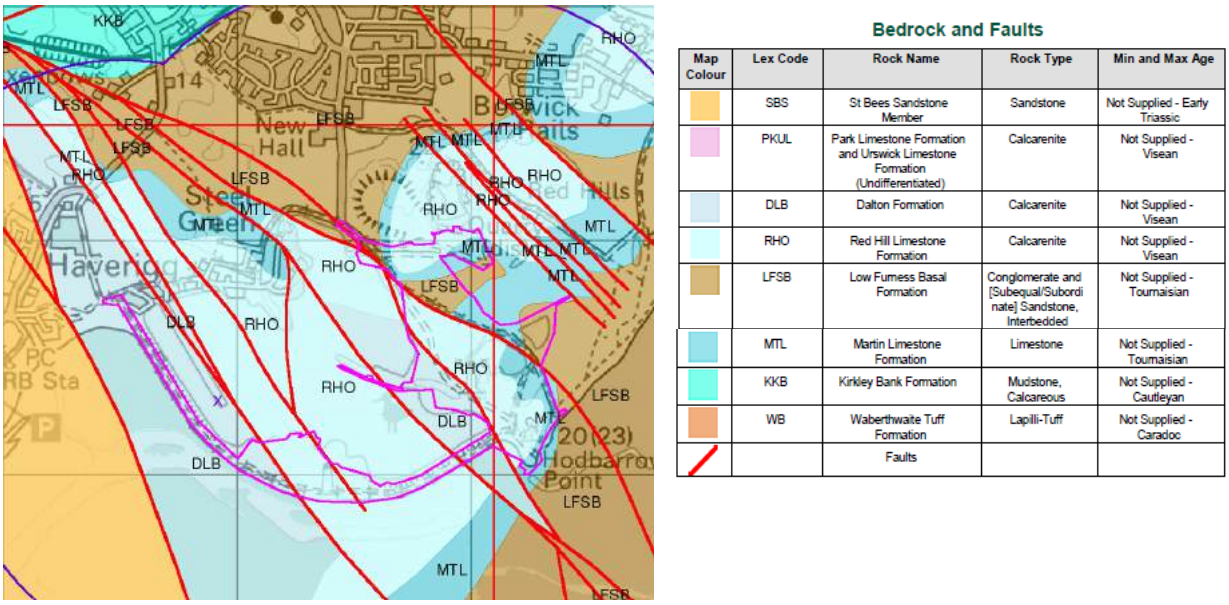
Figure 4.1.1 – *BGS geological mapping extract, 1:50,000 Ulverston (1997) Sheet 048 with Artificial Ground and Landslip Legend relating to the Worked and Made Ground on site included on right hand side. (Purple outline = approximate site boundary).*

4.1.2 Superficial Geology

Geological maps do not indicate the presence of superficial deposits on site.

4.1.3 Bedrock Geology

An extract from BGS mapping for the area are presented in *Figure 4.1.3*



Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	SBS	St Bees Sandstone Member	Sandstone	Not Supplied - Early Triassic
	PKUL	Park Limestone Formation and Urswick Limestone Formation (Undifferentiated)	Calcarenite	Not Supplied - Visean
	DLB	Dalton Formation	Calcarenite	Not Supplied - Visean
	RHO	Red Hill Limestone Formation	Calcarenite	Not Supplied - Visean
	LFSB	Low Furness Basal Formation	Conglomerate and [Subequal/Subordinate] Sandstone, Interbedded	Not Supplied - Tournaisian
	MTL	Martin Limestone Formation	Limestone	Not Supplied - Tournaisian
	KKB	Kirkley Bank Formation	Mudstone, Calcareous	Not Supplied - Cautleyan
	WB	Waberthwaite Tuff Formation	Lapilli-Tuff	Not Supplied - Caradoc
		Faults		

Figure 4.1.3 – *BGS geological mapping extract, 1:50,000 Manchester (1997) Sheet 048 with Bedrock and Faults Legend relating to rocks underlying site included on right hand side. (Purple outline = approximate site location).*

As illustrated in *Figure 4.1.3*, the bedrock geology comprises of multiple lithologies across the site; the Red Hill Limestone, Martin Limestone Formation, Low Furness Basal Formation and the Dalton Formation. The surrounding area is heavily faulted, generally the faults are shallow dipping 5-15 degrees SW and striking NW-SW, cutting across all lithology types.

Given that multiple major faults are recorded on site and all dip shallowly towards the SW it is considered highly probable to encounter these underneath the site, as well as associated secondary faulting.

A summary of the bedrock geology is presented in ***Table 4.1*** below.

Table 4.1 – *BGS Lexicon of Named Rock Units extract & Hydrogeological Classification*

Lithology Name	Age Range	Thickness	Lithological Description	Associated Hydrogeological Description
Red Hill Limestone Formation	Arundian Substage	20 to 60m	Carbonate bioclastic, intraclastic and peloidid grainstones, coarse-grained and virtually structureless following bioturbation.	Secondary A Aquifer[1]

Lithology Name	Age Range	Thickness	Lithological Description	Associated Hydrogeological Description
Martin Limestone Formation	Tournaisian Stage – Chadian Substage	0 – 135m	Mainly carbonate mudstones, but with significant grainstones, locally cross-bedded, and oolites in upper part; ranges from peritidal to marine. Extensively dolomitized	Secondary A Aquifer[1]
Low Furness Basal Formation	Courceyan Substage – Chadian Substage	0 to more than 200m	Conglomerate, sandstones, siltstones and mudstones with subordinate evaporites, presumed of terrigenous origin in lower part (Duddon Conglomerates). Upper part of limestones and siltstones, mostly red with interbedded conglomerates; all presumed of marine origin.	Secondary A Aquifer[1]
Dalton Formation	Arundian Substage – Arundian Substage	90 – 255m	At base, mid to dark grey even-bedded carbonate grainstones and packstones; middle part, dark grey thinly bedded packstones and wackestones with many shaly interbeds; upper part, even bedded packstones and grainstones.	Secondary A Aquifer[1]

[1] *Secondary A aquifers comprise permeable layers that can support local water supplies, and may form an important source of base flow to rivers.*

The site is not situated within a Source Protection Zone (SPZ).

Groundwater vulnerability has been assessed as high risk*; the site is situated on a Productive Bedrock and Secondary Superficial Aquifer which has well connected fractures, contributing to a high pollutant speed and a dilution of >550mm/year.* There is low soluble rock risk in relation to groundwater vulnerability.

No groundwater abstractions are listed within 1km of the site.

Four pollution incidents to controlled waters are listed within 250m of the site. The nearest of which is listed 133m north-west of site to the River Duddon on 1996 as Category 3 minor incident for organic wastes. All others within 250m are also listed as minor incidents and pre-date this incident.

4.1.4 Mining & Mineral Extraction

The site is not situated within a coal mining reporting area and as such risks associated with **coal mining** are considered **Very Low**.

Iron mining was undertaken at Hodbarrow Iron Mine on site. The mine opened circa 1850 and was in operation until 1868. Online searches suggest surface extraction and shallow mining was undertaken

and that subsidence of historic structures (inner barrier) occurred as a result of underground mining. At present it is unknown if the proposed development area is affected by any shallow mining which may have occurred at Hodbarrow Iron Mine.

There are 8 mine entries recorded within the current development boundary, or within 100m of the site boundary.

The risk from opencast mining is assessed to be **High**. There are 5 no. opencast workings recorded within 500m of the surrounding area, detailed below in Table 4.1.4.

Table 4.1.4 BGS recorded Mineral sites within 500m of the development area.

Site Name	Operator	Distance from Site (m)	Commodity	Status
Red Hills Quarry	Unknown	1	Limestone	Ceased
Red Hills Slag Bank	Millom Aggregates	119	Slag (including basic oxygen slag and electric arc furnace slags)	Ceased
Red Hills Quarry	Unknown	188	Limestone	Ceased
Whitriggs Close Clay Pits	Unknown	300	Common Clay and Shale	Ceased
Whitriggs Close Clay Pits	Unknown	411	Common Clay and Shale	Ceased

The risk associated with non-coal mining and mineral extraction is considered **High**. It is recommended that a detailed mining risk assessment is undertaken ahead of development works to further assess the risk from non-coal mining and mineral extraction on site with respect to the proposed development areas of the wider site.

Hazards associated with mining can be broadly characterised by the following scenarios: deep mining, shallow mining, mine entries, opencast mining, mining geology, mining stability hazards and aggressive ground which should be further considered in a Mining Risk Assessment.

4.2 Borehole Records (Historical)

A review of British Geological Survey (BGS) online opensource borehole records notes 160 boreholes located on or within 500m of the site.

23 no. boreholes are recorded within the site boundary, 21 no. of which are deep boreholes (greater than 30m), 1 no. is moderately deep (between 10 – 30m) and 1 no. is shallow (between 0 – 10m). The boreholes on and around the site were undertaken between 1882 - 1971 depths between 5.0m bgl and 222.99m bgl all of which progressed into the bedrock strata.

The majority boreholes located within 500m of the site are observed within the artificial lake of RSPB Hodbarrow and are therefore unlikely to affect the development of the site into the future.

Bedrock was typically encountered at depths between 31.09m and 64.01m bgl comprising predominantly of Grey Limestone, Red Marl, Red Conglomerate and Iron Ore.

There are 8 boreholes within 250m of the development site and are considered to better inform about the likely underlying geology within the areas of proposed development. The details of these borehole records are given in Table 4.3 below.

Table 4.3 Location and strata details of BGS boreholes within 250m of the development area.

Reference Number	Location	Details
SD17NE 91	British National Grid: 318108,479123 (Approx. 240m northeast)	• Drift (0 – 19.20m) • Grey limestone with jointing and interbedded iron ore
SD17NE 93	British National Grid: 318180,478840 (Approx. 250m southeast)	• Fine sand (0 - 6.10m) • Clay, sand and gravel (6.10 – 32.92m) • Brown Limestone (32.92 – 36.58m) • Conglomerate (36.58m – 49.38m)
SD17NE 94	British National Grid: 318181,478999 (Approx. 240m east)	• Sand and cobbles (0 – 18.29m) • Interbedded grey jointed limestone with ore (18.92 – 60.96m) Ore horizons between 0.3 and 1.22m in thickness • Red sandy Marl (60.96 – 61.87m) • Ore (61.87 – 63.09m) • Red Marl with sandstone (63.09 – 67.06m) • Grey limestone and sandstone (67.06 – 70.10m) • Conglomerate with sandy Marl (70.10 – 103.02m)
SD17NE 106	British National Grid: 317860,479059 (Approx. 70m northwest)	• Limestone with traces of ore (0 – 42.98m) • Dark grey and green shale (42.98 – 45.42m) • Green Limestone (45.42 – 48.16m) • Green Shale (48.16 – 49.68m)
SD17NE 107	British National Grid: 317901,479066 (Approx. 75m north)	• Grey limestone (0 – 43.59m) • Green shale (43.59 – 44.81m) • Reddish limestone with shale (44.81 – 46.33m) • Conglomerate (46.33 – 46.94m) • Limestone with shale (46.94 – 49.68m)
SD17NE 108	British National Grid: 317929,479105 (Approx. 120m northeast)	• Grey limestone (0 – 42.67m) • Green marl with limestone and shale (42.67 – 50.60m) • Reddish limestone and marl (50.60 – 52.12m) • Grey limestone (52.12 – 52.73m) • Brown conglomerate (52.73 – 53.64m)

Reference Number	Location	Details
SD17NE 187	British National Grid: 317869,478723 (Approx. 250m south)	• Drift of sand, peat and sandy loam (0 – 58.83m) • Red conglomerate with sandy marl (58.83 – 115.82m)
SD17NE 196	British National Grid: 317739,478796 (Approx. 220m southwest)	• Drift (0 – 61.87m) • Limestone (61.87 – 64.92m)

Only three of the boreholes within 250m of the development site recorded an indication of ore within the encountered strata. None of the boreholes within 250m of the development recorded evidence of underground workings. However borehole dates vary and are not provided on all records so some are likely to pre date mine working.

4.3 Ground Gas

4.3.1 Radon

The Envirocheck report (Ref. 1) shows three different levels of Radon on site: a lower probability radon area, <1%, to the South East, an intermediate probability area, 3 – 5%, and a higher probability radon area, where 10 to 30% of the area is at or above the action level. It is recommended that each development area is assessed on an individually as some areas will require radon protection measures whereas others may not. BGS radon reports should be procured specific to areas where buildings are proposed.

Where the new development incorporates a basement the advice of a specialist Radon assessor must be obtained.

4.3.2 Landfill

The Envirocheck Report (Ref. 1) show that there are seven recorded Landfill sites within the site and 250m of the site boundary, shown in Table 4.3.2 below.

Table 4.3.2 Recorded Landfill sites within the site boundary.

Site Name	Distance from Site/ Location	Operator / Licence Holder	Site Category & Dates Deposited	Licence Number / Provider Reference	Input Rate	Status
Red Hill	On site (north east)	BGS Recorded	N/A	N/A	N/A	N/A
Redhills Quarry	On site (north east)	Cumbria County Council	Special waste and liquid sludge, 1969-1993	EAHLD07 713	N/A	N/A
Milliom Civic Amenity Site, Redhills Quarry (Licenced)	On Site (north east)	Cumbria Waste Management Ltd	Household waste amenity sites	57294	Unknown	Transferred
Redhills Quarry	139m	Cumbria County Contracting	Special waste and liquid sludge including: Inert, Industrial, Commercial and Household	R20/M4	Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year)	Licence lapsed (1st June 1991)
Redhills Quarry	139m	Cumbria County Contracting	Special waste and liquid sludge including: Inert, Industrial, Commercial and Household	R20/M4	Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year)	Record Superseded (1st October 1990)
Redhills Quarry	139m	Cumbria County Contracting	Landfill	R20	Undefined	Record Superseded (1st June 1977)
Millom C.A. Site (Waste Transfer Site)	On site	L&W Wilson (Endmoor) Ltd	Civic Amenity	294/M1	Very Small (Less than 10,000	Operational as far as is known (1st

Site Name	Distance from Site/ Location	Operator / Licence Holder	Site Category & Dates Deposited	Licence Number / Provider Reference	Input Rate	Status
					tonnes per year)	August 1995)

Review of the Envirocheck Report (Ref. 1) has also identified seven areas of potentially infilled land with 500m of the site boundary. Five of these potentially infilled land areas are within the site boundary, all of unknown filled ground (Pit, Quarry etc). The proposed Visitors Centre is situated on or very close to an infilled reservoir associated with Hodbarrow mine. The reservoir first appears on the historical maps in 1900 and was infilled around 1986 when the site was acquired by the RSPB.

4.4 Hydrology

The nearest surface water feature is an unidentified river feature in the south west of site, the RSPB Hodbarrow nature reserve lakes on site and off site, and the tidal Duddon river approximately 16m south from site. There are 23 OS Water Network Lines within 500m of the site.

There have been fourteen pollution incidents to controlled waters within 500m. All but one are classed as Category 3 Incidents (Minor), it is unlikely these will pose any risk to the proposed development. The Category 2 Significant Incident is located 330m northwest of the site at Haverigg Pool, the cause of incident is unknown. The incident occurred on 20th October 1993, incident reference 93210118.

There are seven active discharge consents issued by United Utilities within 500m of the site boundary. These are approximately 326 to 363m north west.

5.0 Unexploded Ordnance Risk Assessment

Military activities including those conducted as part of both the First and Second World Wars have resulted in a legacy of unexploded ordnance (UXO) being present within the shallow soils of the UK.

UXO result from various sources including both allied (military training) and German (bombing raids) with a guide figure of approximately 10% of all munitions failing to function as designed.

An assessment of the likelihood of being UXO encountered has been undertaken to advise any intrusive ground investigation in the event that this is undertaken by Curtins. This risk is influenced by a number of factors including the proximity to strategic targets, the nature of the works being undertaken and evidence of local damage in the post-war periods amongst others. In order to determine the likelihood of UXO being present on a site, a stepwise risk assessment process is followed. This process is outlined within CIRIA C681 Unexploded Ordnance: A Guide for the Construction Industry (Ref. 6). with the following commentary considered to represent a Preliminary Risk Assessment intended to guide if and where there is a requirement for a Detailed Risk Assessment.

5.1 Preliminary UXO Assessment

The risk presented by Unexploded Ordnance, identified using preliminary Unexploded Bomb (UXB) risk maps retrieved from Zetica UXO (Ref. 7) has placed the site in a Low-risk area in respect to the potential presence of UXB as a result of World War Two bombing. Low-risk regions are those with a bombing density of less than 15 bombs per 1000 acres. A Luftwaffe target and industry is noted on risk maps circa 1km north east of the site.

A review of the available historic mapping did not identify the presence any ruins or features indicative of bomb damage following WWII within or close to the site boundary.

Considering the above and the generally limited development in the wider area around the site prior and during WWII, the risk of encountering potential UXO as part of Curtins ground investigation works is considered **Low**, and no further action is required.

If unexploded ordnance is discovered during any works, stop immediately, prevent access to the area, and inform the police. If the site boundary or location changes then the UXO risk should be reassessed.

6.0 Conceptual Site Model & Qualitive Risk Assessment

The conceptual site model (CSM) and Qualitative Risk Assessment (QRA) are presented in the table presented in this section.

The CSM details the source-pathway-receptor linkages or potential pollutant linkages (PPL) that have been identified for the site. The QRA details the associated level of risk relating to these potential pollutant linkages.

The CSM and QRA concern risk to human health and water environment with additional, more specific risk assessment protocols contained within the main body of this reporting, as detailed in Section 3.1 below.

The QRA follows the framework outlined within CIRIA C552 (Ref. 8) which is summarised within *Appendix C.*

The 'risk rating' within the QRA refers to the risk that the source, pathway, receptor linkage or PPL is complete. Unless specifically stated it does not necessarily refer to an immediate risk and is intended to be used as a tool to assess the necessity for further assessment/investigation.

6.1 Additional Risk Assessments

The following risk assessments, listed below, are not included within the main CSM and QRA but none-the-less can be of critical importance to the onward development of the site.

- The risk posed by Radon is discussed and assessed in Section 4.3.1.
- The risk posed by Unexploded Ordnance (for Curtins ground investigation works only) is discussed and assessed in Section 5.1.
- The risk posed by historic mining on site is discussed and assessed in Section 4.1.4.

Under current health and safety legislation, employers are required to carry out their own appropriate risk assessments and mitigation to protect themselves and their employees, other human receptors and the environment from potential contamination. Such risks must be adequately mitigated by law, specifically the Construction Design Management (CDM) Regulations (2015) (Ref. 9) which require that potential risks to human health and the environment from construction activities are appropriately identified and all necessary steps taken to eliminate / manage that risk. It has been assumed that any future construction works on site will be undertaken in compliance with these requirements and therefore construction workers involved in the building works at the site have been discounted as a human receptor in the conceptual site model.

Qualitative Risk Assessment → Generic Quantitative Risk Assessment → Detailed Quantitative Risk Assessment or; Remedial Action

The table below represents the first stage in the land quality risk assessment process: The Qualitative Risk Assessment. In order for a development site to be deemed 'suitable for use', the level of risk needs to be brought down to acceptable levels, i.e. low to negligible risk. The purpose of each stage of risk assessment is ultimately to establish, if there is a requirement for additional levels of assessment to be made in order to have sufficient confidence to support a risk characterisation or management decision, e.g. remedial action. In the absence of specific site data a Generic Quantitative Risk Assessment is invariably recommended.

Conceptual Site Model			Qualitative Risk Assessment			Recommended Actions
Source	**Pathway(s)**	**Receptor(s)**	**Consequence (with explanations, if applicable)**	**Likelihood of Occurrence (with explanations if applicable)**	**Risk Rating**	
On site sources of potential contamination: Uncontrolled deposition of Made Ground during construction and demolition previously undertaken on site. Uncontrolled deposition of spoil associated within mining and mineral extraction. Unknown contamination associated with the sites former industrial use, may include leakages and spillages from plant and machinery. Various landfills on site.	**Direct contact, ingestion, inhalation (dust and vapours)**	**Site end users** Site staff	**Medium** Chronic health risk	**Likely** The site historically was partially Hodbarrow Iron mine. The site was also occupied by the Redhills limestone quarry. Various landfills on site and infilled land. The proposed end use is commercial/educational, the sensitivity of potential receptors is relatively low.	**Moderate**	**Ground Investigation** Including soil sampling **GQRA as part of Ground Investigation**
	Vertical migration through the weathered bedrock (soils) May occur due to processes including; capillary action, burrowing animals inducing soil mixing and downwards into the natural deposits through infiltration.	**Controlled Waters** Bedrock hosts Secondary A aquifer.	**Medium** Pollution of sensitive water resources	**Likely** Moderate levels of contamination are anticipated on-site. Groundwater vulnerability on-site has been assessed as high. Granular geology anticipated may act as a potential pathway to the principal aquifer.	**Moderate**	**Ground Investigation** **GQRA as part of Ground Investigation**

Conceptual Site Model			Qualitative Risk Assessment			Recommended Actions
Source	**Pathway(s)**	**Receptor(s)**	**Consequence (with explanations, if applicable)**	**Likelihood of Occurrence (with explanations if applicable)**	**Risk Rating**	
	Horizontal migration through preferential pathways in the underlying bedrock May occur due to influence of perched or natural groundwater flow patterns and natural or man-made high permeability zones, e.g. fractures or drainage runs.	**Controlled Waters** Nearest surface water feature is the RSPB Hodbarrow nature reserve lakes, a River feature in the south west and the tidal Duddon river approximately 16m south from site.	**Medium** Pollution of sensitive water resources Pollution of sensitive water resources	**Likely** As noted above there are potential sources of contamination at the site which could impact the source given the distance from site.	**Moderate**	**Ground Investigation** **GQRA as part of Ground Investigation**
Off-site sources of potential contamination: Uncontrolled deposition of Made Ground during construction and demolition off site. Uncontrolled deposition of spoil associated within mining and mineral extraction. Unknown contamination associated with current former industrial use, may include leakages and spillages from plant and	**Horizontal migration through the superficial deposits and air (dust/particulates)** Followed by… **Direct contact, ingestion, inhalation (dust and vapours)**	**Site end users** Site staff	**Medium** Chronic health risk	**Low** The realisation of a source – pathway – receptor linkage between the site soils and any of these potential sources of contamination is assessed as being Low however cannot be discounted at this stage.	**Moderate/ Low**	**Ground Investigation** **GQRA as part of Ground Investigation**

Conceptual Site Model			Qualitative Risk Assessment			Recommended Actions
Source	**Pathway(s)**	**Receptor(s)**	**Consequence (with explanations, if applicable)**	**Likelihood of Occurrence (with explanations if applicable)**	**Risk Rating**	
machinery. Current use includes Redhill quarry immediately north of site. Various landfills off site.						
On and off-site soils with the potential to generate ground gases Made Ground deposits on and off site mostly related to phases of redevelopment in the surrounding area. Organic deposits within marshland and reclaimed land. Infilled reservoirs and areas of potential infilled land. Six landfills within 250m of the site boundary including landfills on north east of site.	Vertical and horizontal migration through the superficial and bedrock deposits	**Site end users** Site staff and students.	**Medium** Chronic health risk	**Likely** There may be inclusions within the site soils on site capable of gas generation including various historic landfills.	**Moderate**	**Ground Gas Monitoring as part of ground investigation**

7.0 Potential Geohazards

The following geohazards have been identified following a review of the geological, historical, and environmental information.

- Potential for soft / loose organic soils associated with marshland with a low bearing capacity and potential for excessive settlement.
- Potential for Made Ground associated with mining / structures and landfilling. Made Ground is considered to be an unsuitable founding stratum, due to its poor geotechnical properties, variability, and compressibility particularly where landfills are present.
- Potential for unrecorded mine shafts.
- Infilled pits / reservoirs may contain deep Made Ground which may preclude the use of shallow foundations.
- Potential for buried infrastructure and obstructions associated with structures such as reservoirs and the railway.
- Potential for subsidence / collapse associated with underground iron mining.
- Potential for aggressive ground conditions with regards to chemical attack on buried concrete.
- Potential for fractured bedrock associated with fault zones.
- Potential for ground movement where building adjacent to former quarry highwall/pond

8.0 Conclusion and Recommendations

The qualitative risk assessment (QRA) determined a varied level of level of risk associated ground/groundwater contamination and ground gas risk with respect to the proposed development, Moderate to Low to Moderate risks were identified for potential contaminant linkages. The QRA concluded by recommending that generic quantitative risk assessments (GQRA) were conducted to confirm the assessment of risk ascribed to each of the respective potential pollutant linkages (PPLs). It is recommended that the GQRA is conducted as part of a ground investigation in support of the engineering design of the proposed development.

Initial assessment of available data suggests it is highly likely to have Iron ore mine workings or mine entries beneath areas of the site. It is recommended that a mining risk assessment is conducted followed by appropriate ground investigation;

Risks are likely to be higher in some parts of the site than others, however in summary, the following recommendations are made for development on the site:

- Undertake a Detailed Mining Risk Assessment for the site/ development areas to categorise and understand the extent of mining risk pertaining to the development area. As part of this mine plans and other mining records pertinent to the proposed development site should be obtained where possible;
- Depending on the findings of the Detailed Mining Risk Assessment, undertake an intrusive ground investigation to determine the extent of shallow mining under the footprint of the proposed development area;
- Undertake an intrusive ground investigation to determine foundation solutions and other geotechnical design parameters.
- Undertake an intrusive ground investigation to determine extent of contamination, for soil and water;
- Undertake a GQRA as part of the ground investigation;
- Procure BGS radon report specific to areas of the site where buildings are proposed;
- Undertake ground gas monitoring over a period of three months for potential hazardous gases;
- The Mining Risk Assessment should be further updated following completion of an intrusive investigation.
- Subject to findings of ground investigation, undertake a Remediation Strategy outlining required remedial actions and subsequent validation/completion report.

It is further recommended that the site investigation works are completed in advance of any development works taking place.

8.1 Contaminants of Concern

Potential contaminants of concern associated with the sources identified within the Conceptual Site Model in *Section 6.0* of this reporting include but are not limited to: broad range aliphatic and aromatic

hydrocarbons present within any fuel oils; polycyclic aromatic hydrocarbons (PAHs); inorganic compounds including heavy metals; and asbestos present in discarded building materials.

Potential contaminants associated with the airborne dust/particulates include but are not limited to: polycyclic aromatic hydrocarbons and inorganic compounds including toxic metals that are also accounted for by potential onsite contaminants of concern.

8.2 Other Considerations

The site is a Site of Special Scientific Interest (SSSI), Ramsar Site, Special Protection Area and Special Area of Conservation. Heritage structures on site may be protected. Appropriate stakeholders should be consulted ahead of GI works.

The requirement for additional surveys, e.g. arboricultural, heritage and ecological surveys, should be confirmed through advice from a suitably qualified and experienced professional.

9.0 References

1. Landmark (2023) Envirocheck Report (report no. 307697430_1_1).
2. British Geological Survey (BGS) (1997) Solid and Drift Editions (2010) 1:50,000 mapping, Sheet No. 048 (Ulverston).
3. BGS Geology of Britain Viewer http://mapapps.bgs.ac.uk/geologyofbritain/home.html (accessed February 2023).
4. Coal Authority Interactive Map Viewer [online], http://mapapps2.bgs.ac.uk/coalauthority/home.html (accessed January 2023).
5. UK Maps of Radon [online], http://www.ukradon.org/information/ukmaps (accessed February 2023).
6. CIRIA (2009) Unexploded Ordnance: A Guide for the Construction Industry (report no. C681).
7. Zetica Regional Unexploded Bomb Risk map [online], https://zeticauxo.com/downloads-and-resources/risk-maps/ (accessed February 2023).
8. CIRIA (2001) Contaminated Land Risk Assessment. A guide to good practice (report no. C552).
9. Health and Safety Executive (2015) Construction (Design and Management) Regulations.

Appendix A Drawings

- Proposed Development Plans

NOTES:

1. DO NOT SCALE FROM THIS DRAWING. ALWAYS WORK TO NOTED DIMENSIONS.
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07/04/25	P02		Issued for planning	MDM

KEY

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HARDWORKS

S1.0 **S1.0 – SELF BINDING GRAVEL WITHOUT EDGINGS EXCEPT ON STEEP GRADIENTS (P)**
Location: To primary pedestrian routes
Dims: 1.5m wide

S2.0 **S2.0 – STONE TO DUST SURFACE (V)**
Assumed: Existing surface planed - pot holes filled - Type 1 dressing with Grano Dust surface finish
Location: To Byway
Dims: As existing

S3.0 **S3.0 – TIMBER BOARDWALK (P)**
Location: To sand dune raised walkway
Dims: 1.8m wide w/ low upstand

S4.0 **S4.0 – VEHICULAR MACADAM (V)**
Location: Visitor Centre car park / Access Road Trench
Dims: 1.5m wide trench cover w/ passing places

S5.0 **S5.0 – VEHICULAR ROUTE (MACADAM) (V)**
Assumed: Some resurfacing as per S4.0 specification
Location: To access road from Mainsgate Road to visitor centre - existing surface made good
Dims: 4.8m wide

S6.0 **S6.0 – NATURAL STONE PAVING (P)**
Location: To Towsey Hole Windmill

S7.0 **S7.0 – INSITU CONCRETE w/ SMOOTH FINISH (P)**
Location: To in ground railway details / Visitor Centre / Hodbarrow Lighthouse

S7.1 **S7.1 – INSITU CONCRETE w/ EXPOSED AGGREGATE FINISH (P / V)**
Location: To Visitor Centre / Whiterock Junction

S8.0 **S8.0 – REINFORCED GRAVEL (P)**
Location: To Visitor Centre car park / Annie Lowther Hide

S9.0 **S9.0 – RAISED STEEL WALKWAY w TIMBER EDGE (P)**
Location: To Visitor Centre

SE **SE – SURFACE EXISTING**
Location: As noted

ORIGINATOR

Layer.studio

W layer.studio
T 01625 523 157
E manchester or newcastle@layer.studio

MANCHESTER
8b Grove Street
Wilmslow
Cheshire
SK9 1DR

NEWCASTLE
Studio 29
39 High Bridge Works
Newcastle-upon-Tyne
NE1 1EW

Client
Cumberland Council

Project
The Iron Line
Millom, Cumbria

Drawing Title
GA | Site Masterplan

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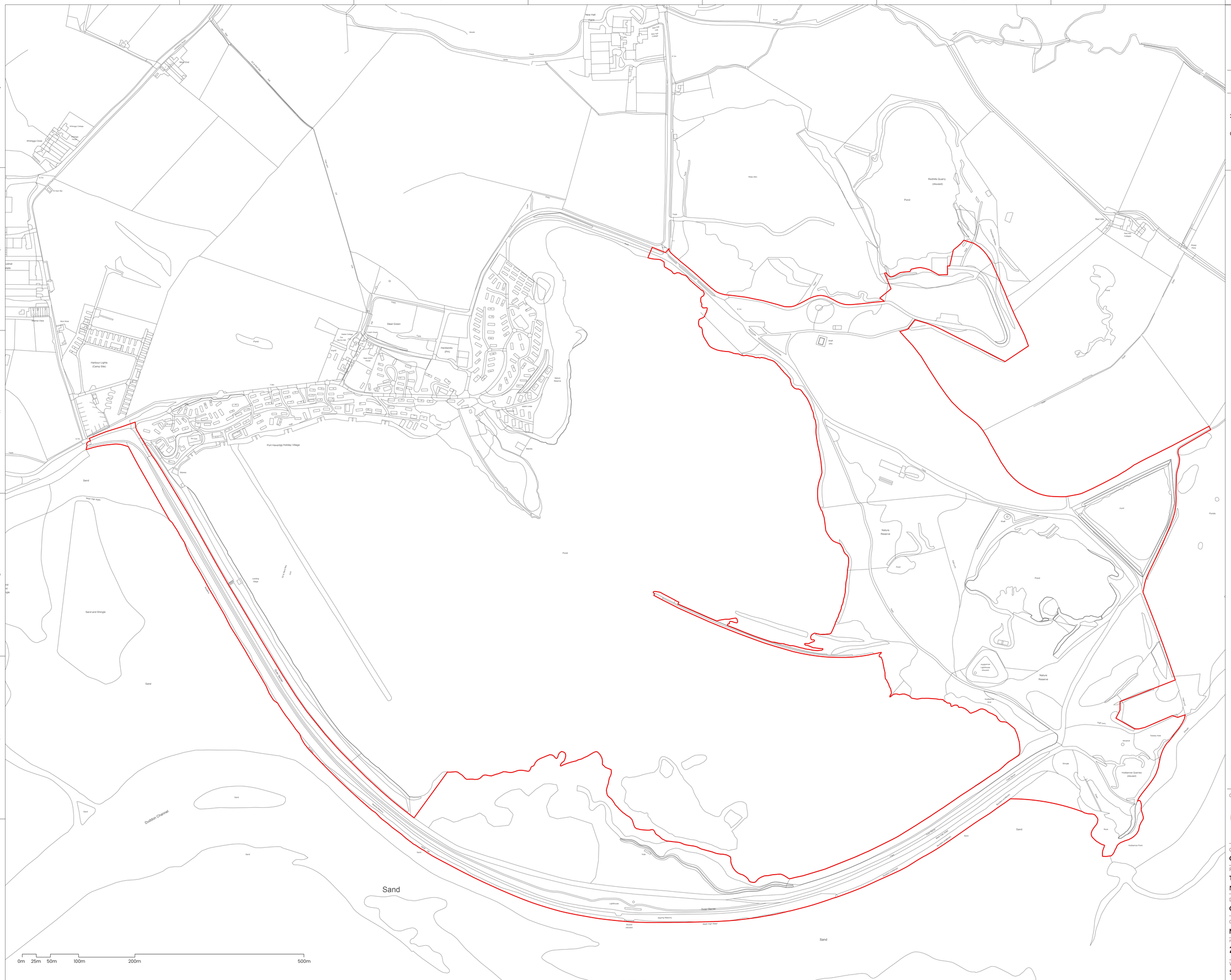
MDM	CL	1:3000	A1

Project Number	Originator	Volume	Level	File Type	Discipline	Number
289	LYR	XX	ZZ	DWG	L	1000

Work Stage	Status	Revision
Stage 3	Planning	P02



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ORIGINATOR

Layer.studio

W layer.studio
T 01625 523 157
E manchester or newcastle@layer.studio

MANCHESTER
8b Grove Street
Wilmslow
Cheshire
SK9 1DR

NEWCASTLE
Studio 29
39 High Bridge Works
Newcastle-upon-Tyne
NE1 1EW

Client

Cumberland Council

Project

The Iron Line

Millom, Cumbria

Drawing Title

GA | Application Boundary

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FURNITURE / BOUNDARIES

F1.0 – PICNIC TABLE
Location: Site wide
Material: Corten Steel / Timber / Concrete

F2.0 – BENCH
Location: Site wide
Material: Corten Steel / Timber / Concrete

F2.1 – BENCH (EXISTING)
Location: Site wide
Material: Timber

F3.0 – WAYFINDING – SITE NAVIGATION
Location: Site wide
Material: Corten Steel w/ laser cuttings

F4.0 – WAYFINDING – ARRIVAL
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.0 – INFO BOARD: ECOLOGY
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.1 – INFO BOARD: MAP LOCATION
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.2 – INFO BOARD: HERITAGE
Location: Site wide
Material: Corten Steel w/ laser cuttings

F6.0 – VIEWING SCREEN
Location: To Hidden Lagoon
Material: Timber

F7.0 – DOUBLE LEAF GATE
Location: Road to Welcome Building / HWRC
Material: Subject to future detail

F7.1 – SINGLE LEAF GATE
Location: To RSPB BOAT boundary
Material: Subject to future detail

F8.0 – FEATURE FENCE
Location: Site wide
Material: Timber

F8.1 – EXISTING FENCE
Location: Site wide
Material: Timber

F9.0 – FEATURE ARTWORK
Location: Site wide
Refer to Design & Access Statement Chapter 7

F10.0 – CAR PARK PAY MACHINE
Location: To Visitor Centre car park
Material: -

F11.0 – FEATURE CONC BENCH w/ TIMBER TOP
Location: Site wide
Material: Concrete / Timber

F12.0 – CYCLE PARKING
Location: Site wide
Material: Steel

F13.0 – TIMBER LOGS
Location: To car parking spaces
Material: Timber

F14.0 – EV CHARGING LOCATIONS
Location: To welcome building car park
Material: -

F15.0 – THRESHOLD DETAIL
Location: To key thresholds
Material: Corten

F16.0 – BIRD HIDE
Location: To Hidden Lagoon / Lagoon
Material: Timber

F17.0 – PV CANOPY
Location: To welcome building car park
Material: Subject to future detail

F18.0 – WASTE BIN
Location: Site wide
Material: Subject to future detail

F19.0 – HAND RAIL
Location: To entrance steps
Material: Subject to future detail

F20.0 – BOLLARD
Location: To Byway Entrances
Material: Timber

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W layer.studio
T 01625 523 157
E manchester or newcastle@layer.studio

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Cheshire
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NEWCASTLE
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Location: To Hidden Lagoon / Lagoon
Material: Timber

F17.0 – PV CANOPY
Location: To welcome building car park
Material: Subject to future detail

F18.0 – WASTE BIN
Location: Site wide
Material: Subject to future detail

F19.0 – HAND RAIL
Location: To entrance steps
Material: Subject to future detail

F20.0 – BOLLARD
Location: To Byway Entrances
Material: Timber

NOTES:
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THIS DRAWING WAS PLOTTED ON:
07/04/2025

REVISION HISTORY

DATE	REV	ZONE	DESCRIPTION	CHK
26/03/25	P01		Stage 03 draft issue - for coordination	MDM
07/04/25	P02		Issued for planning	MDM

KEY

GENERAL INFORMATION

APPLICATION BOUNDARY

HARDWORKS

S1.0 **S1.0 – SELF BINDING GRAVEL WITHOUT EDGINGS EXCEPT ON STEEP GRADIENTS (P)**
Location: To primary pedestrian routes
Dims: 1.5m wide

S2.0 **S2.0 – STONE TO DUST SURFACE (V)**
Assumed: Existing surface planed - pot holes filled - Type 1 dressing with Grano Dust surface finish
Location: To Byway
Dims: As existing

S3.0 **S3.0 – TIMBER BOARDWALK (P)**
Location: To sand dune raised walkway
Dims: 1.8m wide w/ low upstand

S4.0 **S4.0 – VEHICULAR MACADAM (V)**
Location: Visitor Centre car park / Access Road Trench
Dims: 1.5m wide trench cover w/ passing places

S5.0 **S5.0 – VEHICULAR ROUTE (MACADAM) (V)**
Assumed: Some resurfacing as per S4.0 specification
Location: To access road from Mainsgate Road to visitor centre - existing surface made good
Dims: 4.8m wide

S6.0 **S6.0 – NATURAL STONE PAVING (P)**
Location: To Towsey Hole Windmill

S7.0 **S7.0 – INSITU CONCRETE w/ SMOOTH FINISH (P)**
Location: To in ground railway details / Visitor Centre / Hodbarrow Lighthouse

S7.1 **S7.1 – INSITU CONCRETE w/ EXPOSED AGGREGATE FINISH (P / V)**
Location: To Visitor Centre / Whiterock Junction

S8.0 **S8.0 – REINFORCED GRAVEL (P)**
Location: To Visitor Centre car park / Annie Lowther Hide

S9.0 **S9.0 – RAISED STEEL WALKWAY w TIMBER EDGE (P)**
Location: To Visitor Centre

SE **SE – SURFACE EXISTING**
Location: As noted

ORIGINATOR
Layer.studio
W layer.studio
T 01625 523 157
E manchester or newcastle@layer.studio
MANCHESTER
8b Grove Street
Wilmslow
Cheshire
SK9 1DR
NEWCASTLE
Studio 29
39 High Bridge Works
Newcastle-upon-Tyne
NE1 1EW

Client
Cumberland Council

Project
The Iron Line
Millom, Cumbria

Drawing Title
GA | Hodbarrow Car Park

Created By	Checked By	Scale	Sheet Size
MDM	CL	1:100	A1

Project Number	Originator	Volume	Level	File Type	Discipline	Number
289	LYR	XX	ZZ	DWG	L	1201

Work Stage	Status	Revision
Stage 3	Planning	P02

FURNITURE / BOUNDARIES

F1.0 – PICNIC TABLE
Location: Site wide
Material: Corten Steel / Timber / Concrete

F2.0 – BENCH
Location: Site wide
Material: Corten Steel / Timber / Concrete

F2.1 – BENCH (EXISTING)
Location: Site wide
Material: Timber

F3.0 – WAYFINDING - SITE NAVIGATION
Location: Site wide
Material: Corten Steel w/ laser cuttings

F4.0 – WAYFINDING - ARRIVAL
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.0 – INFO BOARD: ECOLOGY
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.1 – INFO BOARD: MAP LOCATION
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.2 – INFO BOARD: HERITAGE
Location: Site wide
Material: Corten Steel w/ laser cuttings

F6.0 – VIEWING SCREEN
Location: To Hidden Lagoon
Material: Timber

F7.0 – DOUBLE LEAF GATE
Location: Road to Welcome Building / HWRC
Material: Subject to future detail

F7.1 – SINGLE LEAF GATE
Location: To RSPB BOAT boundary
Material: Subject to future detail

F8.0 – FEATURE FENCE
Location: Site wide
Material: Timber

F8.1 – EXISTING FENCE
Location: Site wide
Material: Timber

F9.0 – FEATURE ARTWORK
Location: Site wide
Refer to Design & Access Statement Chapter 7

F10.0 – CAR PARK PAY MACHINE
Location: To Visitor Centre car park
Material: -

F11.0 – FEATURE CONC BENCH w/ TIMBER TOP
Location: Site wide
Material: Concrete / Timber

F12.0 – CYCLE PARKING
Location: Site wide
Material: Steel

F13.0 – TIMBER LOGS
Location: To car parking spaces
Material: Timber

F14.0 – EV CHARGING LOCATIONS
Location: To welcome building car park
Material: -

F15.0 – THRESHOLD DETAIL
Location: To key thresholds
Material: Corten

F16.0 – BIRD HIDE
Location: To Hidden Lagoon / Lagoon
Material: Timber

F17.0 – PV CANOPY
Location: To welcome building car park
Material: Subject to future detail

F18.0 – WASTE BIN
Location: Site wide
Material: Subject to future detail

F19.0 – HAND RAIL
Location: To entrance steps
Material: Subject to future detail

F20.0 – BOLLARD
Location: To Byway Entrances
Material: Timber

NOTES:
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THIS DRAWING WAS PLOTTED ON:
07/04/2025

REVISION HISTORY

DATE	REV	ZONE	DESCRIPTION	CHK
26/03/25	P01		Stage 03 draft issue - for coordination	MDM
07/04/25	P02		Issued for planning	MDM

KEY

GENERAL INFORMATION

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S1.0 **S1.0 - SELF BINDING GRAVEL WITHOUT EDGINGS EXCEPT ON STEEP GRADIENTS (P)**
Location: To primary pedestrian routes
Dims: 1.5m wide

S2.0 **S2.0 - STONE TO DUST SURFACE (V)**
Assumed: Existing surface planed - pot holes filled - Type 1 dressing with Grano Dust surface finish
Location: To Byway
Dims: As existing

S3.0 **S3.0 - TIMBER BOARDWALK (P)**
Location: To sand dune raised walkway
Dims: 1.8m wide w/ low upstand

S4.0 **S4.0 - VEHICULAR MACADAM (V)**
Location: Visitor Centre car park / Access Road Trench
Dims: 1.5m wide trench cover w/ passing places

S5.0 **S5.0 - VEHICULAR ROUTE (MACADAM) (V)**
Assumed: Some resurfacing as per S4.0 specification
Location: To access road from Mainsgate Road to visitor centre - existing surface made good
Dims: 4.8m wide

S6.0 **S6.0 - NATURAL STONE PAVING (P)**
Location: To Towsey Hole Windmill

S7.0 **S7.0 - INSITU CONCRETE w/ SMOOTH FINISH (P)**
Location: To in ground railway details / Visitor Centre / Hodbarrow Lighthouse

S7.1 **S7.1 - INSITU CONCRETE w/ EXPOSED AGGREGATE FINISH (P / V)**
Location: To Visitor Centre / Whitehouse Junction

S8.0 **S8.0 - REINFORCED GRAVEL (P)**
Location: To Visitor Centre car park / Annie Lowther Hide

S9.0 **S9.0 - RAISED STEEL WALKWAY w TIMBER EDGE (P)**
Location: To Visitor Centre

SE **SE - SURFACE EXISTING**
Location: As noted

ORIGINATOR
Layer.studio
W layer.studio
T 01625 523 157
E manchester or newcastle@layer.studio
MANCHESTER
8b Grove Street
Wilmslow
Cheshire
SK9 1DR
NEWCASTLE
Studio 29
39 High Bridge Works
Newcastle-upon-Tyne
NE1 1EW

Client
Cumberland Council

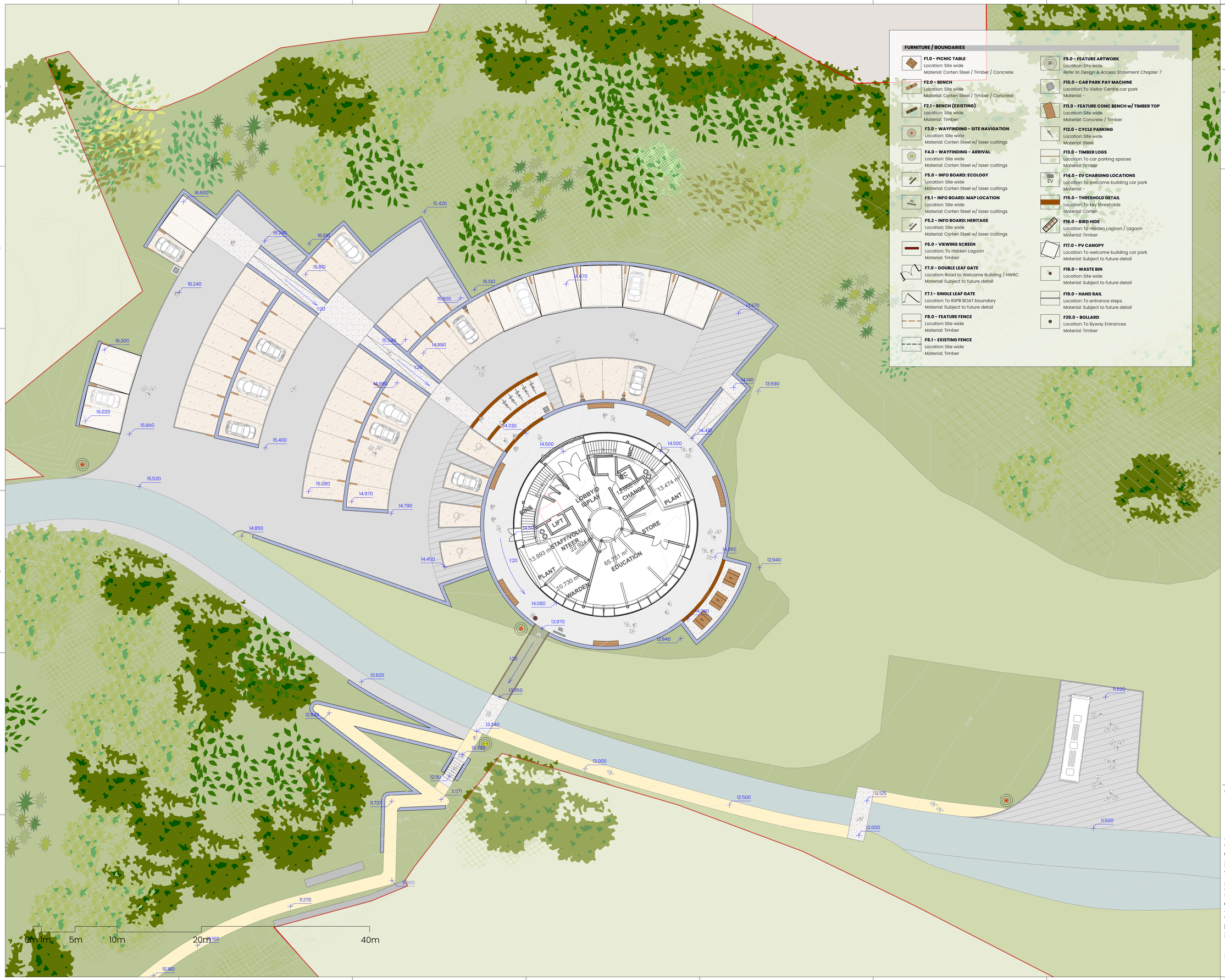
Project
The Iron Line
Millom, Cumbria

Drawing Title
GA | Visitor Centre 1:500

Created By	Checked By	Scale	Sheet Size
MDM	CL	1:500	A1

Project Number	Originator	Volume	Level	File Type	Discipline	Number
289	LYR	XX-ZZ-DWG-L-1202				

Work Stage	Status	Revision
Stage 3	Planning	P02



FURNITURE / BOUNDARIES

F1.0 – PICNIC TABLE
Location: Site wide
Material: Corten Steel / Timber / Concrete

F2.0 – BENCH
Location: Site wide
Material: Corten Steel / Timber / Concrete

F2.1 – BENCH (EXISTING)
Location: Site wide
Material: Timber

F3.0 – WAYFINDING – SITE NAVIGATION
Location: Site wide
Material: Corten Steel w/ laser cuttings

F4.0 – WAYFINDING – ARRIVAL
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.0 – INFO BOARD: ECOLOGY
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.1 – INFO BOARD: MAP LOCATION
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.2 – INFO BOARD: HERITAGE
Location: Site wide
Material: Corten Steel w/ laser cuttings

F6.0 – VIEWING SCREEN
Location: To Hidden Lagoon
Material: Timber

F7.0 – DOUBLE LEAF GATE
Location: Road to Welcome Building / HWRC
Material: Subject to future detail

F7.1 – SINGLE LEAF GATE
Location: To RSPB BOAT boundary
Material: Subject to future detail

F8.0 – FEATURE FENCE
Location: Site wide
Material: Timber

F8.1 – EXISTING FENCE
Location: Site wide
Material: Timber

F9.0 – FEATURE ARTWORK
Location: Site Wide
Refer to Design & Access Statement Chapter 7

F10.0 – CAR PARK PAY MACHINE
Location: To Visitor Centre car park
Material: -

F11.0 – FEATURE CONC BENCH w/ TIMBER TOP
Location: Site wide
Material: Concrete / Timber

F12.0 – CYCLE PARKING
Location: Site wide
Material: Steel

F13.0 – TIMBER LOGS
Location: To car parking spaces
Material: Timber

F14.0 – EV CHARGING LOCATIONS
Location: To welcome building car park
Material: -

F15.0 – THRESHOLD DETAIL
Location: To key thresholds
Material: Corten

F16.0 – BIRD HIDE
Location: To Hidden Lagoon / Lagoon
Material: Timber

F17.0 – PV CANOPY
Location: To welcome building car park
Material: Subject to future detail

F18.0 – WASTE BIN
Location: Site wide
Material: Subject to future detail

F19.0 – HAND RAIL
Location: To entrance steps
Material: Subject to future detail

F20.0 – BOLLARD
Location: To Byway Entrances
Material: Timber

NOTES:

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07/04/2025

REVISION HISTORY

DATE	REV	ZONE	DESCRIPTION	CHK
26/03/25	P01		Stage 03 draft issue - for coordination	MDM
03/04/25	P02		Updates	MDM
07/04/25	P02		Issued for planning	MDM

KEY

GENERAL INFORMATION

APPLICATION BOUNDARY

HARDWORKS

S1.0 **S1.0 – SELF BINDING GRAVEL WITHOUT EDGINGS EXCEPT ON STEEP GRADIENTS (P)**
Location: To primary pedestrian routes
Dims: 1.5m wide

S2.0 **S2.0 – STONE TO DUST SURFACE (V)**
Assumed: Existing surface planed - pot holes filled - Type 1 dressing with Grano Dust surface finish
Location: To Byway
Dims: As existing

S3.0 **S3.0 – TIMBER BOARDWALK (P)**
Location: To sand dune raised walkway
Dims: 1.8m wide w/ low upstand

S4.0 **S4.0 – VEHICULAR MACADAM (V)**
Location: Visitor Centre car park / Access Road Trench
Dims: 1.5m wide trench cover w/ passing places

S5.0 **S5.0 – VEHICULAR ROUTE (MACADAM) (V)**
Assumed: Some resurfacing as per S4.0 specification
Location: To access road from Mainsgate Road to visitor centre - existing surface made good
Dims: 4.8m wide

S6.0 **S6.0 – NATURAL STONE PAVING (P)**
Location: To Towsey Hole Windmill

S7.0 **S7.0 – INSITU CONCRETE w/ SMOOTH FINISH (P)**
Location: To in ground railway details / Visitor Centre / Hodbarrow Lighthouse

S7.1 **S7.1 – INSITU CONCRETE w/ EXPOSED AGGREGATE FINISH (P / V)**
Location: To Visitor Centre / Whitehorse Junction

S8.0 **S8.0 – REINFORCED GRAVEL (P)**
Location: To Visitor Centre car park / Annie Lowther Hide

S9.0 **S9.0 – RAISED STEEL WALKWAY w TIMBER EDGE (P)**
Location: To Visitor Centre

SE **SE – SURFACE EXISTING**
Location: As noted

ORIGINATOR

Layer.studio

W layer.studio
T 01625 523 157
E manchester or newcastle@layer.studio

MANCHESTER
8b Grove Street
Wilmslow
Cheshire
SK9 1DR

NEWCASTLE
Studio 29
39 High Bridge Works
Newcastle-upon-Tyne
NE1 1EW

Client
Cumberland Council

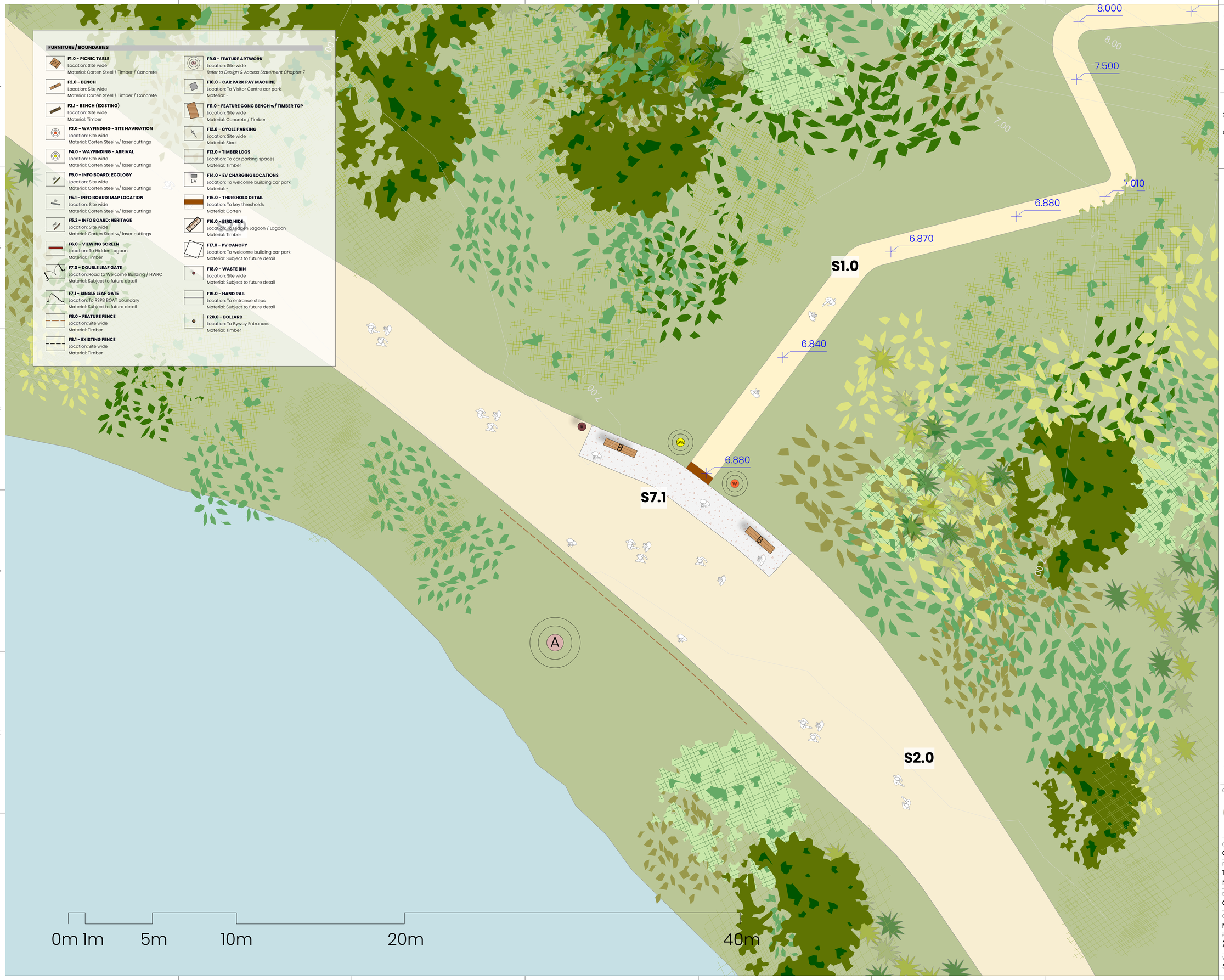
Project
The Iron Line
Millom, Cumbria

Drawing Title
GA | Visitor Centre 1:200

Created By	Checked By	Scale	Sheet Size
MDM	CL	1:200	A1

Project Number	Originator	Volume	Level	File Type	Discipline	Number
289	LYR	XX	ZZ	DWG	L	1203

Work Stage	Status	Revision
Stage 3	Planning	P02



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REVISION HISTORY

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Dims: 1.8m wide w/ low upstand

S4.0 **S4.0 – VEHICULAR MACADAM (V)**
Location: Visitor Centre car park / Access Road Trench
Dims: 1.5m wide trench cover w/ passing places

S5.0 **S5.0 – VEHICULAR ROUTE (MACADAM) (V)**
Assumed: Some resurfacing as per S4.0 specification
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S6.0 **S6.0 – NATURAL STONE PAVING (P)**
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S7.0 **S7.0 – INSITU CONCRETE w/ SMOOTH FINISH (P)**
Location: To in ground railway details / Visitor Centre / Hodbarrow Lighthouse

S7.1 **S7.1 – INSITU CONCRETE w/ EXPOSED AGGREGATE FINISH (P / V)**
Location: To Visitor Centre / Whitehrock Junction

S8.0 **S8.0 – REINFORCED GRAVEL (P)**
Location: To Visitor Centre car park / Annie Lowther Hide

S9.0 **S9.0 – RAISED STEEL WALKWAY w TIMBER EDGE (P)**
Location: To Visitor Centre

SE **SE – SURFACE EXISTING**
Location: As noted

ORIGINATOR
Layer.studio
W layer.studio
T 01625 523 157
E manchester or newcastle@layer.studio
MANCHESTER
8b Grove Street
Wilmslow
Cheshire
SK9 1DR
NEWCASTLE
Studio 29
39 High Bridge Works
Newcastle-upon-Tyne
NE1 1EW

Client
Cumberland Council

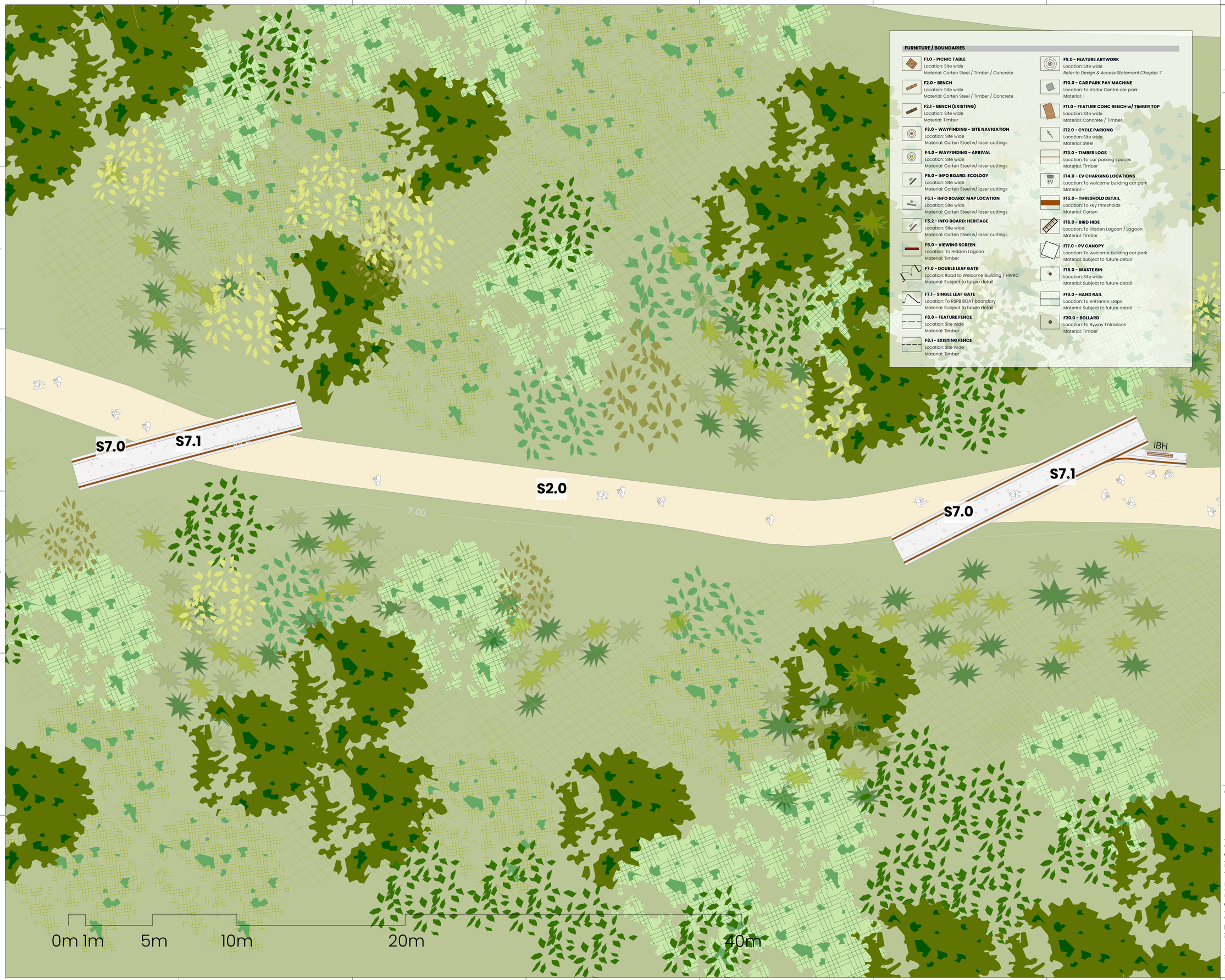
Project
The Iron Line
Millom, Cumbria

Drawing Title
GA | Iron Line Entrance

Created By	Checked By	Scale	Sheet Size
MDM	CL	1:100	A1

Project Number	Originator	Volume	Level	File Type	Discipline	Number
289	LYR	XX	ZZ	DWG	L	1204

Work Stage	Status	Revision
Stage 3	Planning	P02



FURNITURE / BOUNDARIES

F1.0 – PICNIC TABLE
Location: Site wide
Material: Corten Steel / Timber / Concrete

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Location: Site wide
Material: Corten Steel / Timber / Concrete

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Location: Site wide
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F5.1 – INFO BOARD: MAP LOCATION
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Material: Corten Steel w/ laser cuttings

F5.2 – INFO BOARD: HERITAGE
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Material: Corten Steel w/ laser cuttings

F6.0 – VIEWING SCREEN
Location: To Hidden Lagoon
Material: Timber

F7.0 – DOUBLE LEAF GATE
Location: Road to Welcome Building / HWRC
Material: Subject to future detail

F7.1 – SINGLE LEAF GATE
Location: To RSPB BOAT boundary
Material: Subject to future detail

F8.0 – FEATURE FENCE
Location: Site wide
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REVISION HISTORY

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26/03/25	P01		Stage 03 draft issue - for coordination	MDM
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S7.1 **S7.1 – INSITU CONCRETE w/ EXPOSED AGGREGATE FINISH (P / V)**
Location: To Visitor Centre / Whiterock Junction

S8.0 **S8.0 – REINFORCED GRAVEL (P)**
Location: To Visitor Centre car park / Annie Lowther Hide

S9.0 **S9.0 – RAISED STEEL WALKWAY w TIMBER EDGE (P)**
Location: To Visitor Centre

SE **SE – SURFACE EXISTING**
Location: As noted

ORIGINATOR
Layer.studio
W layer.studio
T 01625 523 157
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MANCHESTER
8b Grove Street
Wilmslow
Cheshire
SK9 1DR
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Studio 29
39 High Bridge Works
Newcastle-upon-Tyne
NE1 1EW

Client
Cumberland Council

Project
The Iron Line
Millom, Cumbria

Drawing Title
GA | Iron Line Railway Pass

Created By	Checked By	Scale	Sheet Size
MDM	CL	1:100	A1

Project Number	Originator	Volume	Level	File Type	Discipline	Number
289	LYR	XX-ZZ-DWG-L-1205				

Work Stage	Status	Revision
Stage 3	Planning	P02

FURNITURE / BOUNDARIES

F1.0 – PICNIC TABLE
Location: Site wide
Material: Corten Steel / Timber / Concrete

F2.0 – BENCH
Location: Site wide
Material: Corten Steel / Timber / Concrete

F2.1 – BENCH (EXISTING)
Location: Site wide
Material: Timber

F3.0 – WAYFINDING - SITE NAVIGATION
Location: Site wide
Material: Corten Steel w/ laser cuttings

F4.0 – WAYFINDING - ARRIVAL
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.0 – INFO BOARD: ECOLOGY
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.1 – INFO BOARD: MAP LOCATION
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.2 – INFO BOARD: HERITAGE
Location: Site wide
Material: Corten Steel w/ laser cuttings

F6.0 – VIEWING SCREEN
Location: To Hidden Lagoon
Material: Timber

F7.0 – DOUBLE LEAF GATE
Location: Road to Welcome Building / HWRC
Material: Subject to future detail

F7.1 – SINGLE LEAF GATE
Location: To RSPB BOAT boundary
Material: Subject to future detail

F8.0 – FEATURE FENCE
Location: Site wide
Material: Timber

F8.1 – EXISTING FENCE
Location: Site wide
Material: Timber

F9.0 – FEATURE ARTWORK
Location: Site wide
Refer to Design & Access Statement Chapter 7

F10.0 – CAR PARK PAY MACHINE
Location: To Visitor Centre car park
Material: -

F11.0 – FEATURE CONC BENCH w/ TIMBER TOP
Location: Site wide
Material: Concrete / Timber

F12.0 – CYCLE PARKING
Location: Site wide
Material: Steel

F13.0 – TIMBER LOGS
Location: To car parking spaces
Material: Timber

F14.0 – EV CHARGING LOCATIONS
Location: To welcome building car park
Material: -

F15.0 – THRESHOLD DETAIL
Location: To key thresholds
Material: Corten

F16.0 – BIRD HIDE
Location: To Hidden Lagoon / Lagoon
Material: Timber

F17.0 – PV CANOPY
Location: To welcome building car park
Material: Subject to future detail

F18.0 – WASTE BIN
Location: Site wide
Material: Subject to future detail

F19.0 – HAND RAIL
Location: To entrance steps
Material: Subject to future detail

F20.0 – BOLLARD
Location: To Byway Entrances
Material: Timber

NOTES:

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THIS DRAWING WAS PLOTTED ON:
07/04/2025

REVISION HISTORY

DATE	REV	ZONE	DESCRIPTION	CHK
26/03/25	P01		Stage 03 draft issue - for coordination	MDM
07/04/25	P02		Issued for planning	MDM

KEY

GENERAL INFORMATION

APPLICATION BOUNDARY

HARDWORKS

S1.0 **S1.0 – SELF BINDING GRAVEL WITHOUT EDGINGS EXCEPT ON STEEP GRADIENTS (P)**
Location: To primary pedestrian routes
Dims: 1.5m wide

S2.0 **S2.0 – STONE TO DUST SURFACE (V)**
Assumed: Existing surface planed - pot holes filled - Type 1 dressing with Grano Dust surface finish
Location: To Byway
Dims: As existing

S3.0 **S3.0 – TIMBER BOARDWALK (P)**
Location: To sand dune raised walkway
Dims: 1.8m wide w/ low upstand

S4.0 **S4.0 – VEHICULAR MACADAM (V)**
Location: Visitor Centre car park / Access Road Trench
Dims: 1.5m wide trench cover w/ passing places

S5.0 **S5.0 – VEHICULAR ROUTE (MACADAM) (V)**
Assumed: Some resurfacing as per S4.0 specification
Location: To access road from Mainsgate Road to visitor centre - existing surface made good
Dims: 4.8m wide

S6.0 **S6.0 – NATURAL STONE PAVING (P)**
Location: To Towsey Hole Windmill

S7.0 **S7.0 – INSITU CONCRETE w/ SMOOTH FINISH (P)**
Location: To in ground railway details / Visitor Centre / Hodbarrow Lighthouse

S7.1 **S7.1 – INSITU CONCRETE w/ EXPOSED AGGREGATE FINISH (P / V)**
Location: To Visitor Centre / Whiterock Junction

S8.0 **S8.0 – REINFORCED GRAVEL (P)**
Location: To Visitor Centre car park / Annie Lowther Hide

S9.0 **S9.0 – RAISED STEEL WALKWAY w TIMBER EDGE (P)**
Location: To Visitor Centre

SE **SE – SURFACE EXISTING**
Location: As noted

ORIGINATOR
Layer.studio
W layer.studio
T 01625 523 157
E manchester or newcastle@layer.studio
MANCHESTER
8b Grove Street
Wilmslow
Cheshire
SK9 1DR
NEWCASTLE
Studio 29
39 High Bridge Works
Newcastle-upon-Tyne
NE1 1EW

Client
Cumberland Council

Project
The Iron Line
Millom, Cumbria

Drawing Title
GA | Coal Pit Hide

Created By	Checked By	Scale	Sheet Size
MDM	CL	1:100	A1

Project Number	Originator	Volume	Level	File Type	Discipline	Number
289	LYR	XX	ZZ	DWG	L	1206

Work Stage	Status	Revision
Stage 3	Planning	P02

FURNITURE / BOUNDARIES

F1.0 – PICNIC TABLE
Location: Site wide
Material: Corten Steel / Timber / Concrete

F2.0 – BENCH
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Material: Timber

F3.0 – WAYFINDING – SITE NAVIGATION
Location: Site wide
Material: Corten Steel w/ laser cuttings

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F5.0 – INFO BOARD: ECOLOGY
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F5.1 – INFO BOARD: MAP LOCATION
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F5.2 – INFO BOARD: HERITAGE
Location: Site wide
Material: Corten Steel w/ laser cuttings

F6.0 – VIEWING SCREEN
Location: To Hidden Lagoon
Material: Timber

F7.0 – DOUBLE LEAF GATE
Location: Road to Welcome Building / HWRC
Material: Subject to future detail

F7.1 – SINGLE LEAF GATE
Location: To RSPB BOAT boundary
Material: Subject to future detail

F8.0 – FEATURE FENCE
Location: Site wide
Material: Timber

F8.1 – EXISTING FENCE
Location: Site wide
Material: Timber

F9.0 – FEATURE ARTWORK
Location: Site wide
Refer to Design & Access Statement Chapter 7

F10.0 - CAR PARK PAY MACHINE
Location: To Visitor Centre car park
Material: -

F11.0 – FEATURE CONC BENCH w/ TIMBER TOP
Location: Site wide
Material: Concrete / Timber

F12.0 - CYCLE PARKING
Location: Site wide
Material: Steel

F13.0 – TIMBER LOGS
Location: To car parking spaces
Material: Timber

F14.0 - EV CHARGING LOCATIONS
Location: To welcome building car park
Material: -

F15.0 - THRESHOLD DETAIL
Location: To key thresholds
Material: Corten

F16.0 - BIRD HIDE
Location: To Hidden Lagoon / Lagoon
Material: Timber

F17.0 - PV CANOPY
Location: To welcome building car park
Material: Subject to future detail

F18.0 - WASTE BIN
Location: Site wide
Material: Subject to future detail

F19.0 - HAND RAIL
Location: To entrance steps
Material: Subject to future detail

F20.0 – BOLLARD
Location: To Byway Entrances
Material: Timber

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THIS DRAWING WAS PLOTTED ON:
07/04/2025

REVISION HISTORY

DATE	REV	ZONE	DESCRIPTION	CHK
26/03/25	P01		Stage 03 draft issue - for coordination	MDM
07/04/25	P02		Issued for planning	MDM

KEY

GENERAL INFORMATION

APPLICATION BOUNDARY

HARDWORKS

S1.0 **S1.0 – SELF BINDING GRAVEL WITHOUT EDGINGS EXCEPT ON STEEP GRADIENTS (P)**
Location: To primary pedestrian routes
Dims: 1.5m wide

S2.0 **S2.0 – STONE TO DUST SURFACE (V)**
Assumed: Existing surface planed - pot holes filled - Type 1 dressing with Grano Dust surface finish
Location: To Byway
Dims: As existing

S3.0 **S3.0 – TIMBER BOARDWALK (P)**
Location: To sand dune raised walkway
Dims: 1.8m wide w/ low upstand

S4.0 **S4.0 – VEHICULAR MACADAM (V)**
Location: Visitor Centre car park / Access Road Trench
Dims: 1.5m wide trench cover w/ passing places

S5.0 **S5.0 – VEHICULAR ROUTE (MACADAM) (V)**
Assumed: Some resurfacing as per S4.0 specification
Location: To access road from Mainsgate Road to visitor centre - existing surface made good
Dims: 4.8m wide

S6.0 **S6.0 – NATURAL STONE PAVING (P)**
Location: To Towsey Hole Windmill

S7.0 **S7.0 – INSITU CONCRETE w/ SMOOTH FINISH (P)**
Location: To in ground railway details / Visitor Centre / Hodbarrow Lighthouse

S7.1 **S7.1 – INSITU CONCRETE w/ EXPOSED AGGREGATE FINISH (P / V)**
Location: To Visitor Centre / Whiterock Junction

S8.0 **S8.0 – REINFORCED GRAVEL (P)**
Location: To Visitor Centre car park / Annie Lowther Hide

S9.0 **S9.0 – RAISED STEEL WALKWAY w TIMBER EDGE (P)**
Location: To Visitor Centre

SE **SE – SURFACE EXISTING**
Location: As noted

ORIGINATOR
Layer.studio
W layer.studio
T 01625 523 157
E manchester or newcastle@layer.studio
MANCHESTER
8b Grove Street
Wilmslow
Cheshire
SK9 1DR
NEWCASTLE
Studio 29
39 High Bridge Works
Newcastle-upon-Tyne
NE1 1EW

Client
Cumberland Council

Project
The Iron Line
Millom, Cumbria

Drawing Title
GA | Whiterock Junction

Created By	Checked By	Scale	Sheet Size
MDM	CL	1:200	A1

Project Number	Originator	Volume	Level	File Type	Discipline	Number
289	LYR	XX	ZZ	DWG	L	1207

Work Stage	Status	Revision
Stage 3	Planning	P02

FURNITURE / BOUNDARIES

F1.0 – PICNIC TABLE
Location: Site wide
Material: Corten Steel / Timber / Concrete

F2.0 – BENCH
Location: Site wide
Material: Corten Steel / Timber / Concrete

F2.1 – BENCH (EXISTING)
Location: Site wide
Material: Timber

F3.0 – WAYFINDING – SITE NAVIGATION
Location: Site wide
Material: Corten Steel w/ laser cuttings

F4.0 – WAYFINDING – ARRIVAL
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.0 – INFO BOARD: ECOLOGY
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.1 – INFO BOARD: MAP LOCATION
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.2 – INFO BOARD: HERITAGE
Location: Site wide
Material: Corten Steel w/ laser cuttings

F6.0 – VIEWING SCREEN
Location: To Hidden Lagoon
Material: Timber

F7.0 – DOUBLE LEAF GATE
Location: Road to Welcome Building / HWRC
Material: Subject to future detail

F7.1 – SINGLE LEAF GATE
Location: To RSPB BOAT boundary
Material: Subject to future detail

F8.0 – FEATURE FENCE
Location: Site wide
Material: Timber

F8.1 – EXISTING FENCE
Location: Site wide
Material: Timber

F9.0 – FEATURE ARTWORK
Location: Site wide
Refer to Design & Access Statement Chapter 7

F10.0 – CAR PARK PAY MACHINE
Location: To Visitor Centre car park
Material: -

F11.0 – FEATURE CONC BENCH w/ TIMBER TOP
Location: Site wide
Material: Concrete / Timber

F12.0 – CYCLE PARKING
Location: Site wide
Material: Steel

F13.0 – TIMBER LOGS
Location: To car parking spaces
Material: Timber

F14.0 – EV CHARGING LOCATIONS
Location: To welcome building car park
Material: -

F15.0 – THRESHOLD DETAIL
Location: To key thresholds
Material: Corten

F16.0 – BIRD HIDE
Location: To Hidden Lagoon / Lagoon
Material: Timber

F17.0 – PV CANOPY
Location: To welcome building car park
Material: Subject to future detail

F18.0 – WASTE BIN
Location: Site wide
Material: Subject to future detail

F19.0 – HAND RAIL
Location: To entrance steps
Material: Subject to future detail

F20.0 – BOLLARD
Location: To Byway Entrances
Material: Timber

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THIS DRAWING WAS PLOTTED ON:
07/04/2025

REVISION HISTORY

DATE	REV	ZONE	DESCRIPTION	CHK
26/03/25	P01		Stage 03 draft issue - for coordination	MDM
07/04/25	P02		Issued for planning	MDM

KEY

GENERAL INFORMATION

APPLICATION BOUNDARY

HARDWORKS

S1.0 **S1.0 – SELF BINDING GRAVEL WITHOUT EDGINGS EXCEPT ON STEEP GRADIENTS (P)**
Location: To primary pedestrian routes
Dims: 1.5m wide

S2.0 **S2.0 – STONE TO DUST SURFACE (V)**
Assumed: Existing surface planed - pot holes filled - Type 1 dressing with Grano Dust surface finish
Location: To Byway
Dims: As existing

S3.0 **S3.0 – TIMBER BOARDWALK (P)**
Location: To sand dune raised walkway
Dims: 1.8m wide w/ low upstand

S4.0 **S4.0 – VEHICULAR MACADAM (V)**
Location: Visitor Centre car park / Access Road Trench
Dims: 1.5m wide trench cover w/ passing places

S5.0 **S5.0 – VEHICULAR ROUTE (MACADAM) (V)**
Assumed: Some resurfacing as per S4.0 specification
Location: To access road from Mainsgate Road to visitor centre - existing surface made good
Dims: 4.8m wide

S6.0 **S6.0 – NATURAL STONE PAVING (P)**
Location: To Towsey Hole Windmill

S7.0 **S7.0 – INSITU CONCRETE w/ SMOOTH FINISH (P)**
Location: To in ground railway details / Visitor Centre / Hodbarrow Lighthouse

S7.1 **S7.1 – INSITU CONCRETE w/ EXPOSED AGGREGATE FINISH (P / V)**
Location: To Visitor Centre / Whiterock Junction

S8.0 **S8.0 – REINFORCED GRAVEL (P)**
Location: To Visitor Centre car park / Annie Lowther Hide

S9.0 **S9.0 – RAISED STEEL WALKWAY w TIMBER EDGE (P)**
Location: To Visitor Centre

SE **SE – SURFACE EXISTING**
Location: As noted

ORIGINATOR
Layer.studio
W layer.studio
T 01625 523 157
E manchester or newcastle@layer.studio
MANCHESTER
8b Grove Street
Wilmslow
Cheshire
SK9 1DR
NEWCASTLE
Studio 29
39 High Bridge Works
Newcastle-upon-Tyne
NE1 1EW

Client
Cumberland Council

Project
The Iron Line
Millom, Cumbria

Drawing Title
GA | Towsey Hole Windmill

Created By	Checked By	Scale	Sheet Size
MDM	CL	1:200	A1

Project Number	Originator	Volume	Level	File Type	Discipline	Number
289	LYR	XX	ZZ	DWG	L	1208

Work Stage	Status	Revision
Stage 3	Planning	P02

FURNITURE / BOUNDARIES

F1.0 - PICNIC TABLE
Location: Site wide
Material: Corten Steel / Timber / Concrete

F2.0 - BENCH
Location: Site wide
Material: Corten Steel / Timber / Concrete

F2.1 - BENCH (EXISTING)
Location: Site wide
Material: Timber

F3.0 - WAYFINDING - SITE NAVIGATION
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F5.0 - INFO BOARD: ECOLOGY
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F5.1 - INFO BOARD: MAP LOCATION
Location: Site wide
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F5.2 - INFO BOARD: HERITAGE
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F6.0 - VIEWING SCREEN
Location: To Hidden Lagoon
Material: Timber

F7.0 - DOUBLE LEAF GATE
Location: Road to Welcome Building / HWRC
Material: Subject to future detail

F7.1 - SINGLE LEAF GATE
Location: To RSPB BOAT boundary
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F8.0 - FEATURE FENCE
Location: Site wide
Material: Timber

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Location: Site wide
Refer to Design & Access Statement Chapter 7

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Location: To Visitor Centre car park
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Location: Site wide
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F19.0 - HAND RAIL
Location: To entrance steps
Material: Subject to future detail

F20.0 - BOLLARD
Location: To Byway Entrances
Material: Timber

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07/04/2025

REVISION HISTORY

DATE	REV	ZONE	DESCRIPTION	CHK
26/03/25	P01		Stage 03 draft issue - for coordination	MDM
07/04/25	P02		Issued for planning	MDM

KEY

GENERAL INFORMATION

APPLICATION BOUNDARY

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Location: To Visitor Centre

SE **SE - SURFACE EXISTING**
Location: As noted

ORIGINATOR
layer.studio
W layer.studio
T 01625 523 157
E manchester or newcastle@layer.studio

MANCHESTER
The Barn
One Hollin Lane
Styal
Cheshire
SK9 4JH

NEWCASTLE
Flintlab
1 Salters Road
Gosforth
Newcastle upon Tyne
NE3 1DH

Client
Cumberland Council

Project
The Iron Line
Millom, Cumbria

Drawing Title
GA | Hodbarrow Beacon

Created By	Checked By	Scale	Sheet Size
MDM	CL	1:100	A1

Project Number	Originator	Volume	Level	File Type	Discipline	Number
289	LYR	XX	ZZ	DWG	L	1209

Work Stage	Status	Revision
Planning	Information	P02

FURNITURE / BOUNDARIES

F1.0 – PICNIC TABLE
Location: Site wide
Material: Corten Steel / Timber / Concrete

F2.0 – BENCH
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F7.1 – SINGLE LEAF GATE
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Material: Subject to future detail

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Location: Site wide
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F19.0 – HAND RAIL
Location: To entrance steps
Material: Subject to future detail

F20.0 – BOLLARD
Location: To Byway Entrances
Material: Timber

S1.0

10.000

10.500

11.000

S8.0

S1.0

IBE

0m 1m 5m 10m 20m 40m

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THIS DRAWING WAS PLOTTED ON:
07/04/2025

REVISION HISTORY

DATE	REV	ZONE	DESCRIPTION	CHK
26/03/25	P01		Stage 03 draft issue - for coordination	MDM
07/04/25	P02		Issued for planning	MDM

KEY

GENERAL INFORMATION

APPLICATION BOUNDARY

HARDWORKS

S1.0 **S1.0 – SELF BINDING GRAVEL WITHOUT EDGINGS EXCEPT ON STEEP GRADIENTS (P)**
Location: To primary pedestrian routes
Dims: 1.5m wide

S2.0 **S2.0 – STONE TO DUST SURFACE (V)**
Assumed: Existing surface planed - pot holes filled - Type 1 dressing with Grano Dust surface finish
Location: To Byway
Dims: As existing

S3.0 **S3.0 – TIMBER BOARDWALK (P)**
Location: To sand dune raised walkway
Dims: 1.8m wide w/ low upstand

S4.0 **S4.0 – VEHICULAR MACADAM (V)**
Location: Visitor Centre car park / Access Road Trench
Dims: 1.5m wide trench cover w/ passing places

S5.0 **S5.0 – VEHICULAR ROUTE (MACADAM) (V)**
Assumed: Some resurfacing as per S4.0 specification
Location: To access road from Mainsgate Road to visitor centre - existing surface made good
Dims: 4.8m wide

S6.0 **S6.0 – NATURAL STONE PAVING (P)**
Location: To Towsey Hole Windmill

S7.0 **S7.0 – INSITU CONCRETE w/ SMOOTH FINISH (P)**
Location: To in ground railway details / Visitor Centre / Hodbarrow Lighthouse

S7.1 **S7.1 – INSITU CONCRETE w/ EXPOSED AGGREGATE FINISH (P / V)**
Location: To Visitor Centre / Whiterock Junction

S8.0 **S8.0 – REINFORCED GRAVEL (P)**
Location: To Visitor Centre car park / Annie Lowther Hide

S9.0 **S9.0 – RAISED STEEL WALKWAY w TIMBER EDGE (P)**
Location: To Visitor Centre

SE **SE – SURFACE EXISTING**
Location: As noted

ORIGINATOR

Layer.studio

W layer.studio
T 01625 523 157
E manchester or newcastle@layer.studio

MANCHESTER
8b Grove Street
Wilmslow
Cheshire
SK9 1DR

NEWCASTLE
Studio 29
39 High Bridge Works
Newcastle-upon-Tyne
NE1 1EW

Client
Cumberland Council

Project
The Iron Line
Millom, Cumbria

Drawing Title
GA | Annie Lowther Hide

Created By	Checked By	Scale	Sheet Size
MDM	CL	1:100	A1

Project Number	Originator	Volume	Level	File Type	Discipline	Number
289	LYR	XX	ZZ	DWG	L	1210

Work Stage	Status	Revision
Stage 3	Planning	P02

FURNITURE / BOUNDARIES

F1.0 – PICNIC TABLE
Location: Site wide
Material: Corten Steel / Timber / Concrete

F2.0 – BENCH
Location: Site wide
Material: Corten Steel / Timber / Concrete

F2.1 – BENCH (EXISTING)
Location: Site wide
Material: Timber

F3.0 – WAYFINDING – SITE NAVIGATION
Location: Site wide
Material: Corten Steel w/ laser cuttings

F4.0 – WAYFINDING – ARRIVAL
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.0 – INFO BOARD: ECOLOGY
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.1 – INFO BOARD: MAP LOCATION
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.2 – INFO BOARD: HERITAGE
Location: Site wide
Material: Corten Steel w/ laser cuttings

F6.0 – VIEWING SCREEN
Location: To Hidden Lagoon
Material: Timber

F7.0 – DOUBLE LEAF GATE
Location: Road to Welcome Building / HWRC
Material: Subject to future detail

F7.1 – SINGLE LEAF GATE
Location: To RSPB BOAT boundary
Material: Subject to future detail

F8.0 – FEATURE FENCE
Location: Site wide
Material: Timber

F8.1 – EXISTING FENCE
Location: Site wide
Material: Timber

F9.0 – FEATURE ARTWORK
Location: Site wide
Refer to Design & Access Statement Chapter 7

F10.0 – CAR PARK PAY MACHINE
Location: To Visitor Centre car park
Material: -

F11.0 – FEATURE CONC BENCH w/ TIMBER TOP
Location: Site wide
Material: Concrete / Timber

F12.0 – CYCLE PARKING
Location: Site wide
Material: Steel

F13.0 – TIMBER LOGS
Location: To car parking spaces
Material: Timber

F14.0 – EV CHARGING LOCATIONS
Location: To welcome building car park
Material: -

F15.0 – THRESHOLD DETAIL
Location: To key thresholds
Material: Corten

F16.0 – BIRD HIDE
Location: To Hidden Lagoon / Lagoon
Material: Timber

F17.0 – PV CANOPY
Location: To welcome building car park
Material: Subject to future detail

F18.0 – WASTE BIN
Location: Site wide
Material: Subject to future detail

F19.0 – HAND RAIL
Location: To entrance steps
Material: Subject to future detail

F20.0 – BOLLARD
Location: To Byway Entrances
Material: Timber

0m 1m 5m 10m 20m 40m

NOTES:
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THIS DRAWING WAS PLOTTED ON:
07/04/2025

REVISION HISTORY

DATE	REV	ZONE	DESCRIPTION	CHK
26/03/25	P01		Stage 03 draft issue - for coordination	MDM
07/04/25	P02		Issued for planning	MDM

KEY

GENERAL INFORMATION

APPLICATION BOUNDARY

HARDWORKS

S1.0 **S1.0 – SELF BINDING GRAVEL WITHOUT EDGINGS EXCEPT ON STEEP GRADIENTS (P)**
Location: To primary pedestrian routes
Dims: 1.5m wide

S2.0 **S2.0 – STONE TO DUST SURFACE (V)**
Assumed: Existing surface planed - pot holes filled - Type 1 dressing with Grano Dust surface finish
Location: To Byway
Dims: As existing

S3.0 **S3.0 – TIMBER BOARDWALK (P)**
Location: To sand dune raised walkway
Dims: 1.8m wide w/ low upstand

S4.0 **S4.0 – VEHICULAR MACADAM (V)**
Location: Visitor Centre car park / Access Road Trench
Dims: 1.5m wide trench cover w/ passing places

S5.0 **S5.0 – VEHICULAR ROUTE (MACADAM) (V)**
Assumed: Some resurfacing as per S4.0 specification
Location: To access road from Mainsgate Road to visitor centre - existing surface made good
Dims: 4.8m wide

S6.0 **S6.0 – NATURAL STONE PAVING (P)**
Location: To Towsey Hole Windmill

S7.0 **S7.0 – INSITU CONCRETE w/ SMOOTH FINISH (P)**
Location: To in ground railway details / Visitor Centre / Hodbarrow Lighthouse

S7.1 **S7.1 – INSITU CONCRETE w/ EXPOSED AGGREGATE FINISH (P / V)**
Location: To Visitor Centre / Whiterock Junction

S8.0 **S8.0 – REINFORCED GRAVEL (P)**
Location: To Visitor Centre car park / Annie Lowther Hide

S9.0 **S9.0 – RAISED STEEL WALKWAY w TIMBER EDGE (P)**
Location: To Visitor Centre

SE **SE – SURFACE EXISTING**
Location: As noted

ORIGINATOR

Layer.studio

W layer.studio
T 01625 523 157
E manchester or newcastle@layer.studio

MANCHESTER
8b Grove Street
Wilmslow
Cheshire
SK9 1DR

NEWCASTLE
Studio 29
39 High Bridge Works
Newcastle-upon-Tyne
NE1 1EW

Client
Cumberland Council

Project
The Iron Line
Millom, Cumbria

Drawing Title
GA | Sea Wall (Typical Arrangement)

Created By	Checked By	Scale	Sheet Size
MDM	CL	1:200	A1

Project Number	Originator	Volume	Level	File Type	Discipline	Number
289	LYR	XX	ZZ	DWG	L	1211

Work Stage	Status	Revision
Stage 3	Planning	P02

FURNITURE / BOUNDARIES

F1.0 – PICNIC TABLE
Location: Site wide
Material: Corten Steel / Timber / Concrete

F2.0 – BENCH
Location: Site wide
Material: Corten Steel / Timber / Concrete

F2.1 – BENCH (EXISTING)
Location: Site wide
Material: Timber

F3.0 – WAYFINDING – SITE NAVIGATION
Location: Site wide
Material: Corten Steel w/ laser cuttings

F4.0 – WAYFINDING – ARRIVAL
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.0 – INFO BOARD: ECOLOGY
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.1 – INFO BOARD: MAP LOCATION
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.2 – INFO BOARD: HERITAGE
Location: Site wide
Material: Corten Steel w/ laser cuttings

F6.0 – VIEWING SCREEN
Location: To Hidden Lagoon
Material: Timber

F7.0 – DOUBLE LEAF GATE
Location: Road to Welcome Building / HWRC
Material: Subject to future detail

F7.1 – SINGLE LEAF GATE
Location: To RSPB BOAT boundary
Material: Subject to future detail

F8.0 – FEATURE FENCE
Location: Site wide
Material: Timber

F8.1 – EXISTING FENCE
Location: Site wide
Material: Timber

F9.0 – FEATURE ARTWORK
Location: Site wide
Refer to Design & Access Statement Chapter 7

F10.0 – CAR PARK PAY MACHINE
Location: To Visitor Centre car park
Material: -

F11.0 – FEATURE CONC BENCH w/ TIMBER TOP
Location: Site wide
Material: Concrete / Timber

F12.0 – CYCLE PARKING
Location: Site wide
Material: Steel

F13.0 – TIMBER LOGS
Location: To car parking spaces
Material: Timber

F14.0 – EV CHARGING LOCATIONS
Location: To welcome building car park
Material: -

F15.0 – THRESHOLD DETAIL
Location: To key thresholds
Material: Corten

F16.0 – BIRD HIDE
Location: To Hidden Lagoon / Lagoon
Material: Timber

F17.0 – PV CANOPY
Location: To welcome building car park
Material: Subject to future detail

F18.0 – WASTE BIN
Location: Site wide
Material: Subject to future detail

F19.0 – HAND RAIL
Location: To entrance steps
Material: Subject to future detail

F20.0 – BOLLARD
Location: To Byway Entrances
Material: Timber

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07/04/2025

REVISION HISTORY

DATE	REV	ZONE	DESCRIPTION	CHK
26/03/25	P01		Stage 03 draft issue - for coordination	MDM
07/04/25	P02		Issued for planning	MDM

KEY

GENERAL INFORMATION

APPLICATION BOUNDARY

HARDWORKS

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Location: To primary pedestrian routes
Dims: 1.5m wide

S2.0 **S2.0 – STONE TO DUST SURFACE (V)**
Assumed: Existing surface planed - pot holes filled - Type 1 dressing with Grano Dust surface finish
Location: To Byway
Dims: As existing

S3.0 **S3.0 – TIMBER BOARDWALK (P)**
Location: To sand dune raised walkway
Dims: 1.8m wide w/ low upstand

S4.0 **S4.0 – VEHICULAR MACADAM (V)**
Location: Visitor Centre car park / Access Road Trench
Dims: 1.5m wide trench cover w/ passing places

S5.0 **S5.0 – VEHICULAR ROUTE (MACADAM) (V)**
Assumed: Some resurfacing as per S4.0 specification
Location: To access road from Mainsgate Road to visitor centre - existing surface made good
Dims: 4.8m wide

S6.0 **S6.0 – NATURAL STONE PAVING (P)**
Location: To Towsey Hole Windmill

S7.0 **S7.0 – INSITU CONCRETE w/ SMOOTH FINISH (P)**
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S7.1 **S7.1 – INSITU CONCRETE w/ EXPOSED AGGREGATE FINISH (P / V)**
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Location: To Visitor Centre car park / Annie Lowther Hide

S9.0 **S9.0 – RAISED STEEL WALKWAY w TIMBER EDGE (P)**
Location: To Visitor Centre

SE **SE – SURFACE EXISTING**
Location: As noted

ORIGINATOR
Layer.studio
W layer.studio
T 01625 523 157
E manchester or newcastle@layer.studio
MANCHESTER 8b Grove Street Wilmslow Cheshire SK9 1DR
NEWCASTLE Studio 29 39 High Bridge Works Newcastle-upon-Tyne NE1 1EW

Client
Cumberland Council

Project
The Iron Line
Millom, Cumbria

Drawing Title
GA | Haverigg Lighthouse

Created By	Checked By	Scale	Sheet Size
MDM	CL	1:100	A1

Project Number	Originator	Volume	Level	File Type	Discipline	Number
289	LYR	XX	ZZ	DWG	L	1212

Work Stage	Status	Revision
Stage 3	Planning	P02

FURNITURE / BOUNDARIES

F1.0 – PICNIC TABLE
Location: Site wide
Material: Corten Steel / Timber / Concrete

F2.0 – BENCH
Location: Site wide
Material: Corten Steel / Timber / Concrete

F2.1 – BENCH (EXISTING)
Location: Site wide
Material: Timber

F3.0 – WAYFINDING – SITE NAVIGATION
Location: Site wide
Material: Corten Steel w/ laser cuttings

F4.0 – WAYFINDING – ARRIVAL
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.0 – INFO BOARD: ECOLOGY
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.1 – INFO BOARD: MAP LOCATION
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.2 – INFO BOARD: HERITAGE
Location: Site wide
Material: Corten Steel w/ laser cuttings

F6.0 – VIEWING SCREEN
Location: To Hidden Lagoon
Material: Timber

F7.0 – DOUBLE LEAF GATE
Location: Road to Welcome Building / HWRC
Material: Subject to future detail

F7.1 – SINGLE LEAF GATE
Location: To RSPB BOAT boundary
Material: Subject to future detail

F8.0 – FEATURE FENCE
Location: Site wide
Material: Timber

F8.1 – EXISTING FENCE
Location: Site wide
Material: Timber

F9.0 – FEATURE ARTWORK
Location: Site wide
Refer to Design & Access Statement Chapter 7

F10.0 – CAR PARK PAY MACHINE
Location: To Visitor Centre car park
Material: -

F11.0 – FEATURE CONC BENCH w/ TIMBER TOP
Location: Site wide
Material: Concrete / Timber

F12.0 – CYCLE PARKING
Location: Site wide
Material: Steel

F13.0 – TIMBER LOGS
Location: To car parking spaces
Material: Timber

F14.0 – EV CHARGING LOCATIONS
Location: To welcome building car park
Material: -

F15.0 – THRESHOLD DETAIL
Location: To key thresholds
Material: Corten

F16.0 – BIRD HIDE
Location: To Hidden Lagoon / Lagoon
Material: Timber

F17.0 – PV CANOPY
Location: To welcome building car park
Material: Subject to future detail

F18.0 – WASTE BIN
Location: Site wide
Material: Subject to future detail

F19.0 – HAND RAIL
Location: To entrance steps
Material: Subject to future detail

F20.0 – BOLLARD
Location: To Byway Entrances
Material: Timber

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THIS DRAWING WAS PLOTTED ON:
07/04/2025

REVISION HISTORY

DATE	REV	ZONE	DESCRIPTION	CHK
26/03/25	P01		Stage 03 draft issue - for coordination	MDM
07/04/25	P02		Issued for planning	MDM

KEY

GENERAL INFORMATION

APPLICATION BOUNDARY

HARDWORKS

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Location: To primary pedestrian routes
Dims: 1.5m wide

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Assumed: Existing surface planed - pot holes filled - Type 1 dressing with Grano Dust surface finish
Location: To Byway
Dims: As existing

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Location: To sand dune raised walkway
Dims: 1.8m wide w/ low upstand

S4.0 **S4.0 – VEHICULAR MACADAM (V)**
Location: Visitor Centre car park / Access Road Trench
Dims: 1.5m wide trench cover w/ passing places

S5.0 **S5.0 – VEHICULAR ROUTE (MACADAM) (V)**
Assumed: Some resurfacing as per S4.0 specification
Location: To access road from Mainsgate Road to visitor centre - existing surface made good
Dims: 4.8m wide

S6.0 **S6.0 – NATURAL STONE PAVING (P)**
Location: To Towsey Hole Windmill

S7.0 **S7.0 – INSITU CONCRETE w/ SMOOTH FINISH (P)**
Location: To in ground railway details / Visitor Centre / Hodbarrow Lighthouse

S7.1 **S7.1 – INSITU CONCRETE w/ EXPOSED AGGREGATE FINISH (P / V)**
Location: To Visitor Centre / Whiterock Junction

S8.0 **S8.0 – REINFORCED GRAVEL (P)**
Location: To Visitor Centre car park / Annie Lowther Hide

S9.0 **S9.0 – RAISED STEEL WALKWAY w TIMBER EDGE (P)**
Location: To Visitor Centre

SE **SE – SURFACE EXISTING**
Location: As noted

ORIGINATOR
Layer.studio
W layer.studio
T 01625 523 157
E manchester or newcastle@layer.studio

MANCHESTER
8b Grove Street
Wilmslow
Cheshire
SK9 1DR

NEWCASTLE
Studio 29
39 High Bridge Works
Newcastle-upon-Tyne
NE1 1EW

Client
Cumberland Council

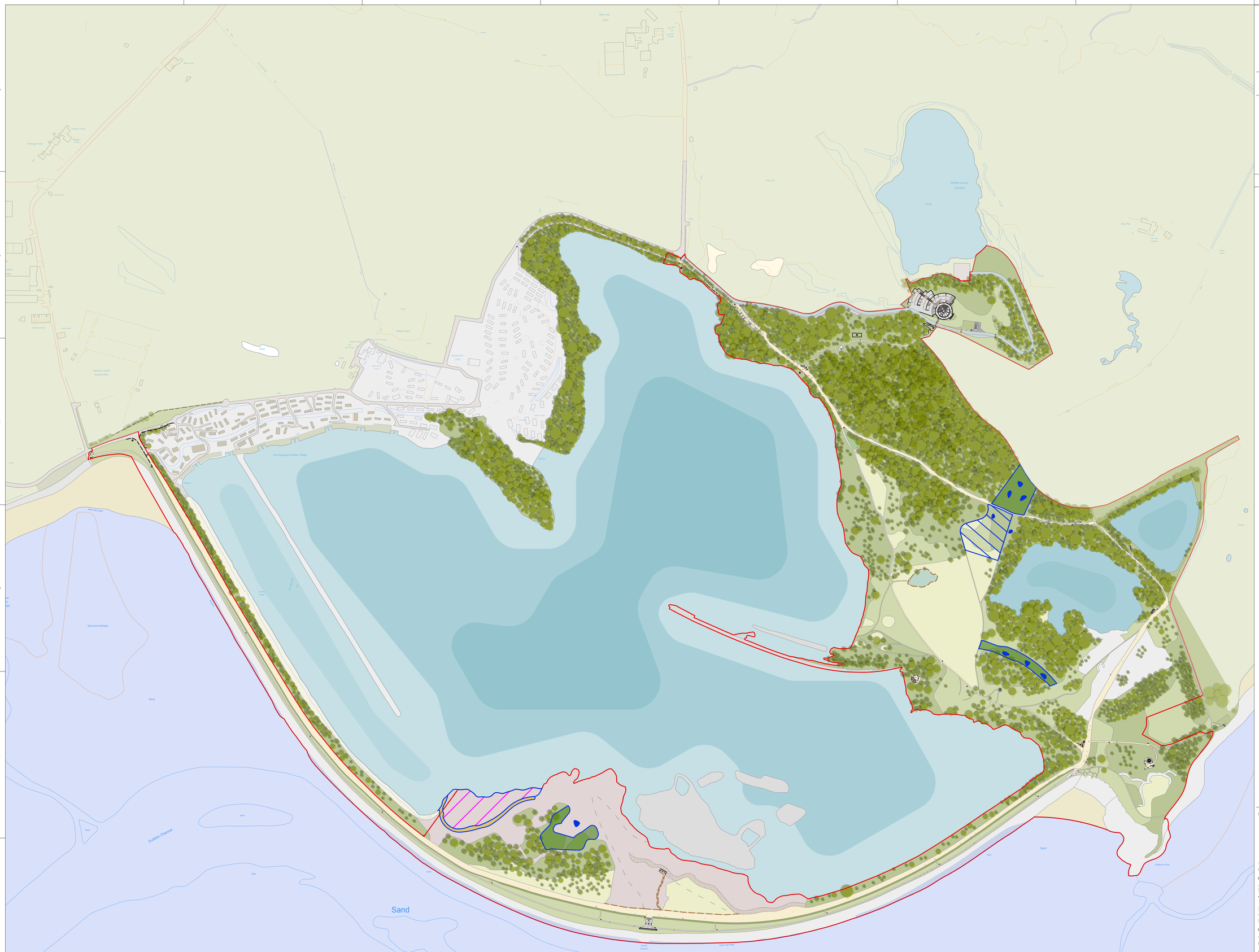
Project
The Iron Line
Millom, Cumbria

Drawing Title
GA | Haverigg Lighthouse & Tern Island Hide

Created By	Checked By	Scale	Sheet Size
MDM	CL	1:200	A1

Project Number	Originator	Volume	Level	File Type	Discipline	Number
289	LYR	XX	ZZ	DWG	L	1213

Work Stage	Status	Revision
Stage 3	Planning	P02



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THIS DRAWING WAS PLOTTED ON:
07/04/2025

REVISION HISTORY

DATE	REV	ZONE	DESCRIPTION	CHK
03/06/24	P01		Preliminary Issue	MDM
04/04/25	P02		Revised Issue	CE
07/04/25	P03		Issued for planning	MDM

KEY

GENERAL INFORMATION

- APPLICATION BOUNDARY

RSPB SRP WORKS

- UNDISTURBED SLAG HABITAT CREATED
- CHANNEL CUT IN SLAG
- POOL CREATION
- BRACKEN CLEARANCE
- BRACKEN CLEARANCE

ORIGINATOR

Layer.studio

W layer.studio
T 01625 523 157
E manchester or newcastle@layer.studio

MANCHESTER
8b Grove Street
Wilmslow
Cheshire
SK9 1DR

NEWCASTLE
Studio 29
39 High Bridge Works
Newcastle-upon-Tyne
NE1 1EW

Client
Cumberland Council

Project
The Iron Line
Millom, Cumbria

Drawing Title
GA | RSPB SRP Works

Created By	Checked By	Scale	Sheet Size
MDM	CL	1:3000	A1

Project Number	Originator	Volume	Level	File Type	Discipline	Number
289	LYR	XX	ZZ	DWG	L	1300

Work Stage	Status	Revision
Stage 3	Planning	P03

FURNITURE / BOUNDARIES

F1.0 – PICNIC TABLE
Location: Site wide
Material: Corten Steel / Timber / Concrete

F2.0 – BENCH
Location: Site wide
Material: Corten Steel / Timber / Concrete

F2.1 – BENCH (EXISTING)
Location: Site wide
Material: Timber

F3.0 – WAYFINDING - SITE NAVIGATION
Location: Site wide
Material: Corten Steel w/ laser cuttings

F4.0 – WAYFINDING - ARRIVAL
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.0 – INFO BOARD: ECOLOGY
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.1 – INFO BOARD: MAP LOCATION
Location: Site wide
Material: Corten Steel w/ laser cuttings

F5.2 – INFO BOARD: HERITAGE
Location: Site wide
Material: Corten Steel w/ laser cuttings

F6.0 – VIEWING SCREEN
Location: To Hidden Lagoon
Material: Timber

F7.0 – DOUBLE LEAF GATE
Location: Road to Welcome Building / HWRC
Material: Subject to future detail

F7.1 – SINGLE LEAF GATE
Location: To RSPB BOAT boundary
Material: Subject to future detail

F8.0 – FEATURE FENCE
Location: Site wide
Material: Timber

F8.1 – EXISTING FENCE
Location: Site wide
Material: Timber

F9.0 – FEATURE ARTWORK
Location: Site wide
Refer to Design & Access Statement Chapter 7

F10.0 – CAR PARK PAY MACHINE
Location: To Visitor Centre car park
Material: -

F11.0 – FEATURE CONC BENCH w/ TIMBER TOP
Location: Site wide
Material: Concrete / Timber

F12.0 – CYCLE PARKING
Location: Site wide
Material: Steel

F13.0 – TIMBER LOGS
Location: To car parking spaces
Material: Timber

F14.0 – EV CHARGING LOCATIONS
Location: To welcome building car park
Material: -

F15.0 – THRESHOLD DETAIL
Location: To key thresholds
Material: Corten

F16.0 – BIRD HIDE
Location: To Hidden Lagoon / Lagoon
Material: Timber

F17.0 – PV CANOPY
Location: To welcome building car park
Material: Subject to future detail

F18.0 – WASTE BIN
Location: Site wide
Material: Subject to future detail

F19.0 – HAND RAIL
Location: To entrance steps
Material: Subject to future detail

F20.0 – BOLLARD
Location: To Byway Entrances
Material: Timber

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07/04/2025

REVISION HISTORY

DATE	REV	ZONE	DESCRIPTION	CHK
03/06/24	P01		Preliminary Issue	MDM
04/04/25	P02		Revised Issue	CE
07/04/25	P03		Issued for planning	MDM

KEY

GENERAL INFORMATION

APPLICATION BOUNDARY

HARDWORKS

S1.0 **S1.0 - SELF BINDING GRAVEL WITHOUT EDGINGS EXCEPT ON STEEP GRADIENTS (P)**
Location: To primary pedestrian routes
Dims: 1.5m wide

S2.0 **S2.0 - STONE TO DUST SURFACE (V)**
Assumed: Existing surface planed - pot holes filled - Type 1 dressing with Grano Dust surface finish
Location: To Byway
Dims: As existing

S3.0 **S3.0 - TIMBER BOARDWALK (P)**
Location: To sand dune raised walkway
Dims: 1.8m wide w/ low upstand

S4.0 **S4.0 - VEHICULAR MACADAM (V)**
Location: Visitor Centre car park / Access Road Trench
Dims: 1.5m wide trench cover w/ passing places

S5.0 **S5.0 - VEHICULAR ROUTE (MACADAM) (V)**
Assumed: Some resurfacing as per S4.0 specification
Location: To access road from Mainsgate Road to visitor centre - existing surface made good
Dims: 4.8m wide

S6.0 **S6.0 - NATURAL STONE PAVING (P)**
Location: To Towsey Hole Windmill

S7.0 **S7.0 - INSITU CONCRETE w/ SMOOTH FINISH (P)**
Location: To in ground railway details / Visitor Centre / Hodbarrow Lighthouse

S7.1 **S7.1 - INSITU CONCRETE w/ EXPOSED AGGREGATE FINISH (P / V)**
Location: To Visitor Centre / Whitehouse Junction

S8.0 **S8.0 - REINFORCED GRAVEL (P)**
Location: To Visitor Centre car park / Annie Lowther Hide

S9.0 **S9.0 - RAISED STEEL WALKWAY w TIMBER EDGE (P)**
Location: To Visitor Centre

SE **SE - SURFACE EXISTING**
Location: As noted

PRIORITY HABITAT TYPES

ANNEX 1 H6210 CALCAREOUS GRASSLAND
Type: Briza-Brachypodium
Status: Maintained

ANNEX 1 H6210 CALCAREOUS GRASSLAND
Type: CG1
Status: Maintained

PRIORITY HABITAT LOWLAND MEADOWS
Type: MG1e
Status: Maintained

PRIORITY HABITAT LOWLAND MEADOWS
Type: MG1e
Status: Maintained

RENATURED CALCAREOUS GRASSLAND
Type: Existing land
Status: Re-natured to calcareous grassland

NON PRIORITY HABITAT

ORIGINATOR
Layer.studio
W layer.studio
T 01625 523 157
E manchester or newcastle@layer.studio
MANCHESTER
8b Grove Street
Wilmslow
Cheshire
SK9 1DR
NEWCASTLE
Studio 29
39 High Bridge Works
Newcastle-upon-Tyne
NE1 1EW

Client
Cumberland Council

Project
The Iron Line
Millom, Cumbria

Drawing Title
GA | Visitor Centre 1:500

Created By	Checked By	Scale	Sheet Size
MDM	CL	1:500	A1

Project Number	Originator	Volume	Level	File Type	Discipline	Number
289	LYR	XX	ZZ	DWG	L	1301

Work Stage	Status	Revision
Stage 3	Planning	P03

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S9.0 **S9.0 - RAISED STEEL WALKWAY w TIMBER EDGE (P)**
Location: To Visitor Centre

SE **SE - SURFACE EXISTING**
Location: As noted

HABITAT TYPES

DENSE CONTINUOUS SCRUB
Type: A2.1
Status: Maintained

MOSAIC: SAND DUNE GRASSLAND / SAND DUNE SCRUB
Type: H6.5 / H6.7
Status: Maintained

UNIMPROVED CALCAREOUS GRASSLAND
Type: B3.1
Status: Maintained

QUARRY
Type: I1.2
Status: Maintained

HIGHLIGHTED SPECIES
Type: Montbretia
Status: Removed

HIGHLIGHTED SPECIES
Type: Sea Buckthorn
Status: Removed

ORIGINATOR
Layer.studio
W layer.studio
T 01625 523 157
E manchester or newcastle@layer.studio
MANCHESTER
8h Grove Street
Wilmslow
Cheshire
SK9 1DR
NEWCASTLE
Studio 29
39 High Bridge Works
Newcastle-upon-Tyne
NE1 1EW

Client
Cumberland Council

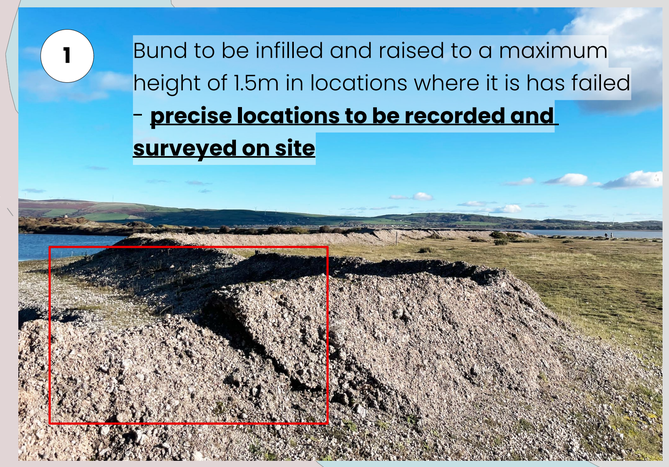
Project
The Iron Line
Millom, Cumbria

Drawing Title
GA | Lighthouse & Tern Island Hide - Overview

Created By	Checked By	Scale	Sheet Size
MDM	CL	1:500	A1

Project Number	Originator	Volume	Level	File Type	Discipline	Number
289	LYR	XX	ZZ	DWG	L	1302

Work Stage	Status	Revision
Stage 3	Planning	P03



Bund to be infilled and raised to a maximum height of 1.5m in locations where it is has failed - **precise locations to be recorded and surveyed on site**

I1.2 - Quarry

Sea buckthorn to be removed

B3.1 - Unimproved calcareous grassland.

A2.1 - Dense / continuous scrub

A-A1

S1.0

S2.0

S7.0

SE

0m 10m 25m 50m 100m 150m

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Location: To Visitor Centre

SE **SE - SURFACE EXISTING**
Location: As noted

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GENERAL INFORMATION

APPLICATION BOUNDARY

SLAG BUND REMEDIATION WORKS

SLAG BUND - EXISITING

SLAG BUND - INCREASED HEIGHT
To a maximum of 1500mm

SLAG BUND - INFILL

ORIGINATOR

Layer.studio

W layer.studio
T 01625 523 157
E manchester or newcastle@layer.studio

MANCHESTER
8b Grove Street
Wilmslow
Cheshire
SK9 1DR

NEWCASTLE
Studio 29
39 High Bridge Works
Newcastle-upon-Tyne
NE1 1EW

Client
Cumberland Council

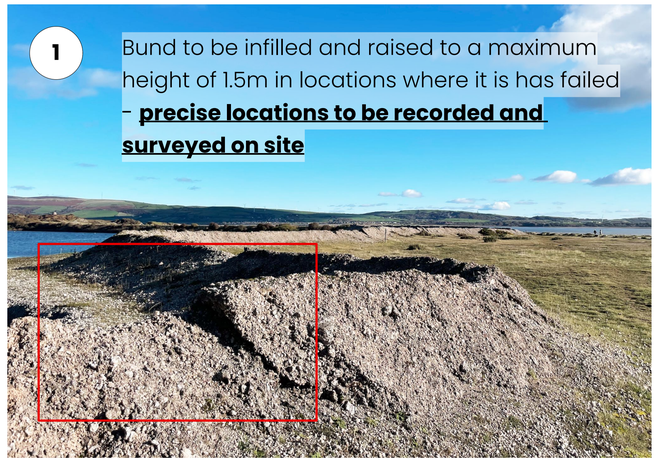
Project
The Iron Line
Millom, Cumbria

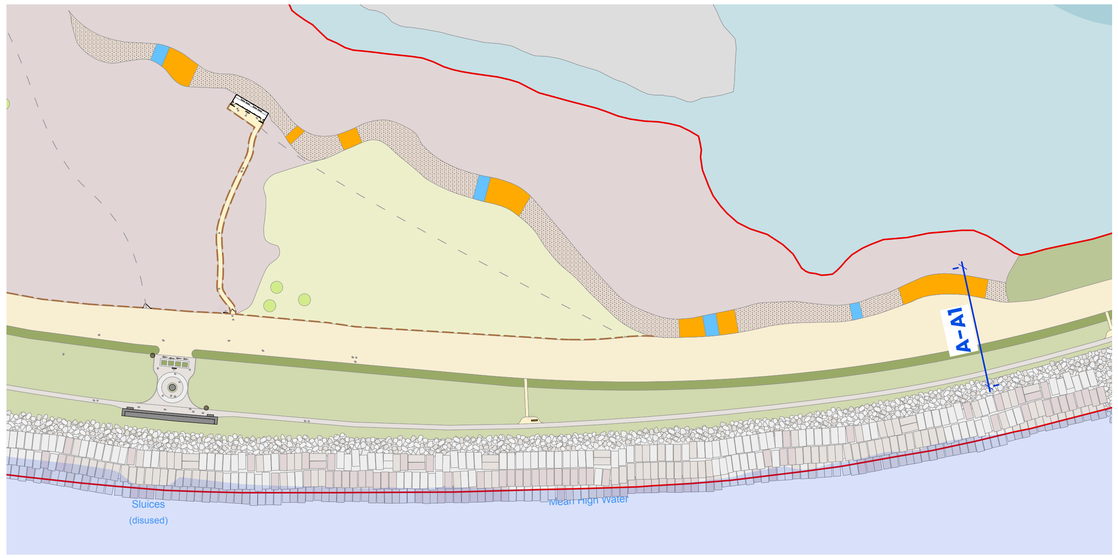
Drawing Title
GA | Lighthouse & Tern Island Hide - Slag Bund

Created By	Checked By	Scale	Sheet Size
MDM	CL	1:500	A1

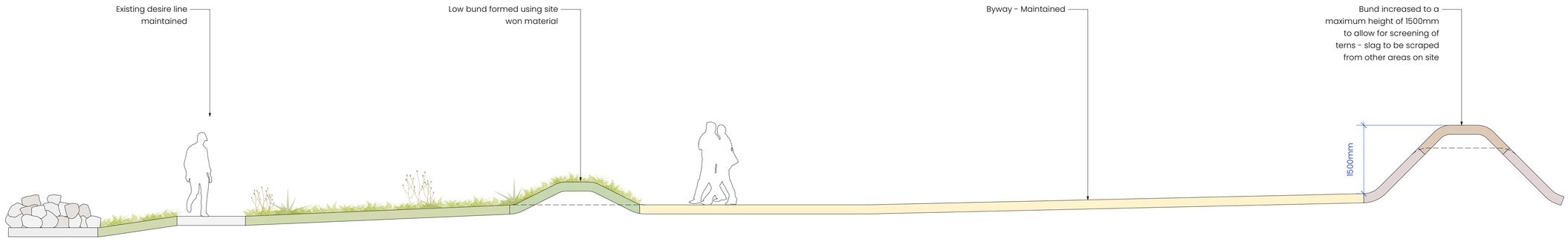
Project Number	Originator	Volume	Level	File Type	Discipline	Number
289	LYR	XX	ZZ	DWG	L	1303

Work Stage	Status	Revision
Stage 3	Planning	P03





D01 Location Map
Scale: 1:100



D02 Section A-A1
Scale: 1:50

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ORIGINATOR
Layer.studio
W layer.studio
T 01625 523 157
E manchester or newcastle@layer.studio
MANCHESTER
8b Grove Street
Wilmslow
Cheshire
SK9 1DR
NEWCASTLE
Studio 29
39 High Bridge Works
Newcastle-upon-Tyne
NE1 1EW

Client
Cumberland Council

Project
The Iron Line
Millom, Cumbria

Drawing Title
S | Sea Wall Cross Section

Created By	Checked By	Scale	Sheet Size
MDM	CL	As Noted	A1

Project Number	Originator	Volume	Level	File Type	Discipline	Number
289	LYR	XX	ZZ	DWG	L	1304

Work Stage	Status	Revision
Stage 3	Planning	P03

Appendix B Envirocheck Report

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
307697430_1_1

Customer Reference:
No. 4229

National Grid Reference:
316920, 478320

Slice:
A

Site Area (Ha):
57.66

Search Buffer (m):
1000

Site Details:

The Gin Mill, Steel Green
MILLOM
LA18 4LG

Client Details:

Mr R Taylor
Curtins Consulting Ltd
Merchant Exchange
17-19 Whitworth Street West
Manchester
M1 5WG

Contents

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.

Report Version v53.0

curtins

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 4			7	6
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 7	Yes			
Pollution Incidents to Controlled Waters	pg 8		4	10	2
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 10			1	1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 11				1
Water Abstractions					
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 11	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 14	6	n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 14	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 14	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 15	Yes	Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 15	Yes	Yes	n/a	n/a
Areas Benefiting from Flood Defences	pg 16	Yes	Yes	n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 16		4	19	4

curtins

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 20	1			
Historical Landfill Sites	pg 20	1			
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 20	1			
Local Authority Landfill Coverage	pg 20	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 20	1			
Potentially Infilled Land (Non-Water)	pg 20	5	1	1	
Potentially Infilled Land (Water)					
Registered Landfill Sites	pg 21		3		
Registered Waste Transfer Sites	pg 23	1			
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

curtins

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 24	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 24	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 26	2	3	2	
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability	pg 27	Yes	n/a	n/a	n/a
Man-Made Mining Cavities	pg 27	8	2		
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 28	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 29	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 29	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 30	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 30	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 31	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 31	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 32	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 32	Yes	n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 33			18	
Fuel Station Entries					
Points of Interest - Commercial Services	pg 34			8	
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 35	4	3	4	1
Points of Interest - Public Infrastructure	pg 36		4		
Points of Interest - Recreational and Environmental	pg 36			3	1
Gas Pipelines	pg 37		1		
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 38				1
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites	pg 38	1			
Sites of Special Scientific Interest	pg 38	1			
Special Areas of Conservation	pg 38	1			
Special Protection Areas	pg 38	1			
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NW (S)	0	1	316950 478050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SE)	0	1	317450 478050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (E)	0	1	317850 478050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (SW)	0	1	316850 478250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SE)	0	1	317700 477950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NW (NE)	0	1	317700 478750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	0	1	318100 478800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SW (E)	0	1	317500 478400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (E)	0	1	317900 478100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	0	1	318200 478100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16SW (NE)	0	1	317500 478900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16SE (NE)	0	1	317950 479000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SE (NE)	0	1	318000 479000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10SE (W)	0	1	316700 478350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (W)	0	1	316750 478350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SW (E)	0	1	317650 478350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10NE (NW)	0	1	316600 478550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NW (S)	0	1	316918 478100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NE (SE)	0	1	317350 478100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NE (SE)	0	1	317400 478100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (E)	0	1	317950 478100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (E)	0	1	318000 478100

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	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10SE (NW)	0	1	316650 478450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10SE (NW)	0	1	316700 478450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SE (NE)	0	1	317850 479050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16SW (NE)	0	1	317550 478900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NE (NE)	0	1	317150 478650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10NE (NW)	0	1	316650 478600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NE (SE)	0	1	317150 477950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (SE)	0	1	317050 478150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NW (E)	0	1	317750 478500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (E)	0	1	317850 478500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (SW)	0	1	316850 478200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (S)	0	1	316900 478200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NW (S)	0	1	317050 478000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SE)	0	1	317550 478050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SW (NE)	0	1	317000 478400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (W)	0	1	316750 478320
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (W)	0	1	316800 478320
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NE (SE)	0	1	317300 477900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (S)	0	1	316900 478150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (S)	0	1	316918 478150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (NE)	0	1	316918 478320

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	A11SW (SE)	0	1	317000 478150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (E)	0	1	317850 478300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (E)	0	1	318000 478150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	0	1	318150 478150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (E)	0	1	317700 478000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (E)	0	1	317750 478000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (E)	0	1	317800 478000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10NE (NW)	0	1	316550 478650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NW (NE)	0	1	317700 478650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10NE (NW)	0	1	316500 478700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (E)	0	1	318000 478450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SE)	18	1	317450 478100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SE (E)	33	1	317400 478150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SE (NE)	37	1	317800 479150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SE (NW)	61	1	316600 478850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16SE (NE)	64	1	317800 479100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	93	1	318450 478850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SW (E)	99	1	317450 478200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NW (NW)	133	1	316750 478700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15SE (NE)	137	1	317250 478950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16NE (NE)	139	1	317850 479200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16NE (NE)	155	1	317800 479200

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	A11NE (NE)	219	1	317200 478600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	222	1	318250 479100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NE (NE)	228	1	317250 478750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10NW (W)	279	1	316150 478600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NE (NE)	306	1	317100 478600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NW (N)	306	1	316918 478700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NE (NE)	330	1	317100 478650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (NW)	341	1	316200 479000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (NW)	342	1	316100 478850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10NW (W)	352	1	316100 478550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (NW)	376	1	316150 479000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A9NE (W)	386	1	316050 478600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A9SE (W)	418	1	316050 478400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	473	1	318250 479500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (NW)	488	1	316250 479200
1	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Pumping Station - Water Company Location: Haverigg Ps, Barrow-In-Furness, Cumbria Authority: Environment Agency, North West Region Catchment Area: Duddon Reference: 017480403 Permit Version: 1 Effective Date: 29th March 2004 Issued Date: 29th March 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Estuary Receiving Water: Haverigg Pool **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A10NW (NW)	326	2	316100 478750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Haverigg Sps, Copeland, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 017480256 Permit Version: 1 Effective Date: 1st January 1900 Issued Date: Not Supplied Revocation Date: 29th March 2004 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Saline Estuary Receiving Water: Haverigg Pool **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A10NW (NW)	336	2	316090 478750
1	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Haverigg Pumping Station Haverigg Cricket Club, Horn Hill Road, Haverigg, Cumbria, La18 4ew Authority: Environment Agency, North West Region Catchment Area: Duddon Reference: 017480403 Permit Version: 2 Effective Date: 7th February 2019 Issued Date: 7th February 2019 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Saline Estuary Receiving Water: Haverigg Pool **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A10NW (NW)	346	2	316080 478760
1	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Haverigg Pumping Station Haverigg Cricket Club, Horn Hill Road, Haverigg, Cumbria, La18 4ew Authority: Environment Agency, North West Region Catchment Area: Duddon Reference: 017480403 Permit Version: 2 Effective Date: 7th February 2019 Issued Date: 7th February 2019 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Saline Estuary Receiving Water: Haverigg Pool **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A10NW (NW)	346	2	316080 478760
1	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Haverigg Pumping Station Haverigg Cricket Club, Horn Hill Road, Haverigg, Cumbria, La18 4ew Authority: Environment Agency, North West Region Catchment Area: Duddon Reference: 017480403 Permit Version: 1 Effective Date: 29th March 2004 Issued Date: 29th March 2004 Revocation Date: 6th February 2019 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Saline Estuary Receiving Water: Haverigg Pool **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A10NW (NW)	346	2	316080 478760

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Willowside, Haverigg, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01brw0087 Permit Version: 1 Effective Date: 1st July 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge Environment: Not Supplied Receiving Water: Not Supplied **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A14SW (NW)	364	2	316140 478970
2	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Willowside, Haverigg, Cumbria Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01BRW0087 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 22nd June 2001 Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge Environment: Pond/Lake Receiving Water: Haverigg Pool **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A14SW (NW)	364	2	316140 478970
3	**Discharge Consents** Operator: [redacted] Property Type: Not Given Location: Laurel Cottage, Whitriggs Close, Haverigg, MILLOM Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 22.T Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 1st April 1996 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Treated Effluent Discharge Environment: Unknown Receiving Water: Not Supplied **Status: Not Supplied** Positional Accuracy: Located by supplier to within 100m	A14NW (NW)	510	2	316240 479220
4	**Discharge Consents** Operator: [redacted] Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Land Adjoining 6 Whitriggs Close, Haverigg Road, Millom, Cumbria, La18 4el Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprxb3399dc Permit Version: 1 Effective Date: 31st May 2022 Issued Date: 31st May 2022 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Groundwater **Status: New issued under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A14NW (NW)	522	2	316326 479262

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Discharge Consents** Operator: [redacted] Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Land Adjoining 6 Whitriggs Close, Haverigg Road, Millom, Cumbria, La18 4el Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprxb3399dc Permit Version: 1 Effective Date: 31st May 2022 Issued Date: 31st May 2022 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Groundwater **Status: New issued under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A14NW (NW)	522	2	316326 479262
4	**Discharge Consents** Operator: [redacted] Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Land Adjoining 6 Whitriggs Close, Haverigg Road, Millom, Cumbria, La18 4el Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprxb3399dc Permit Version: 1 Effective Date: 31st May 2022 Issued Date: 31st May 2022 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Groundwater **Status: New issued under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A14NW (NW)	522	2	316326 479262
4	**Discharge Consents** Operator: [redacted] Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Land Adjoining 6 Whitriggs Close, Haverigg Road, Millom, Cumbria, La18 4el Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprxb3399dc Permit Version: 1 Effective Date: 31st May 2022 Issued Date: 31st May 2022 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Groundwater **Status: New issued under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A14NW (NW)	522	2	316326 479262
4	**Discharge Consents** Operator: [redacted] Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Land Adjoining 6 Whitriggs Close, Haverigg Road, Millom, Cumbria, La18 4el Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprxb3399dc Permit Version: 1 Effective Date: 31st May 2022 Issued Date: 31st May 2022 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Groundwater **Status: New issued under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A14NW (NW)	522	2	316326 479262
	Nearest Surface Water Feature	A16SW (NE)	0	-	317529 479011

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Cumbria Authority: Environment Agency, North West Region Pollutant: Organic Wastes: Animal Carcasses Note: River Duddon; Solid Refuse Incident Date: 9th June 1996 Incident Reference: 96210046 Catchment Area: Duddon Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A10NW (NW)	133	2	316400 478600
6	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Haverigg Pool Incident Date: 8th February 1994 Incident Reference: 94210011 Catchment Area: Duddon Receiving Water: Not Given Cause of Incident: Electrical Failure Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A10NW (NW)	230	2	316200 478700
7	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Cumbria Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Haverigg Pool; Sewerage Incident Date: 20th September 1996 Incident Reference: 96210074 Catchment Area: Duddon Receiving Water: Not Given Cause of Incident: Electrical Failure Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A10NW (NW)	231	2	316200 478795
7	**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: Haverigg Pool Incident Date: 20th January 1992 Incident Reference: 92210003 Catchment Area: Irish Sea Coastal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A10NW (NW)	232	2	316200 478800
8	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Haverigg Pool Incident Date: 16th December 1991 Incident Reference: 91210114 Catchment Area: Irish Sea Coastal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (NW)	280	2	316300 478995
8	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Whicham Beck Incident Date: 3rd March 1993 Incident Reference: 93210018 Catchment Area: Irish Sea Coastal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (NW)	284	2	316300 479000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	**Pollution Incidents to Controlled Waters** Property Type: Boats/Ships Location: Cumbria Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Found Incident Date: 24th January 1994 Incident Reference: 94210005 Catchment Area: Duddon Receiving Water: Watercourse Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A10NW (NW)	325	2	316105 478795
9	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Unknown Sewage Note: Haverigg Pool Incident Date: 20th October 1993 Incident Reference: 93210118 Catchment Area: Duddon Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A10NW (NW)	330	2	316100 478795
9	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Unknown Sewage Note: Whicham Beck Incident Date: 26th August 1993 Incident Reference: 93210090 Catchment Area: Duddon Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A10NW (NW)	330	2	316100 478800
10	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Pumping Station Location: Haverigg Pool, HAVERIGG Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Crude Sewage Incident Date: 19th April 1997 Incident Reference: 97210029 Catchment Area: Duddon Receiving Water: Estuary Cause of Incident: Electrical Failure Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A10NW (NW)	329	2	316100 478695
10	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Storm Sewage Note: Haverigg Pool; Sewerage Overflow Incident Date: 1st February 1994 Incident Reference: 94210007 Catchment Area: Irish Sea Coastal Receiving Water: Not Given Cause of Incident: High Flow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A10NW (NW)	329	2	316100 478700
11	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Haverigg Pool Incident Date: 19th June 1992 Incident Reference: 92210100 Catchment Area: Irish Sea Coastal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (NW)	361	2	316100 478900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	**Pollution Incidents to Controlled Waters** Property Type: WSC Sewage, Sewerage & Supply: Severn Trent Water Ltd Location: Haverigg Pumping Station, Haverigg, HAVERIGG, Cumbria Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 28th September 1999 Incident Reference: 32819 Catchment Area: Duddon Receiving Water: River Stretch (Freshwater) Cause of Incident: Power / Electronic Failures : External Power Supply Failed Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A11NE (NE)	400	2	317100 478700
13	**Pollution Incidents to Controlled Waters** Property Type: Pollution Found Source Not Determined Location: Cumbria Authority: Environment Agency, North West Region Pollutant: Sewage Debris/Litter Note: Haverigg Beach; Sewage Litter Incident Date: 22nd October 1996 Incident Reference: 96210084 Catchment Area: Duddon Receiving Water: Not Given Cause of Incident: High Flow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A10SW (W)	401	2	316200 478400
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: Haverigg Pool Incident Date: 20th June 1992 Incident Reference: 92210102 Catchment Area: Duddon Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (NW)	508	2	316200 479200
15	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Cumbria Authority: Environment Agency, North West Region Pollutant: Unknown Note: Duddon Channel; Sewage Incident Date: 24th October 1996 Incident Reference: 96210087 Catchment Area: Irish Sea Coastal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SE (W)	540	2	316000 478400
	River Quality Name: Not Supplied GQA Grade: Unclassified Tidal River Reach: Not Supplied Estimated Distance (km): Not Supplied Flow Rate: Not Supplied Flow Type: Not Supplied Year: 1995	A10NW (W)	369	2	316116 478496
	River Quality Name: Haverigg Pool GQA Grade: River Quality B Reach: Qsl Stoupdale Beck To Fwl(Haverigg Rd) Estimated Distance (km): 9.4 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	A14NW (NW)	550	2	316149 479221

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**Substantiated Pollution Incident Register** Authority: Environment Agency - North West Region, North Area Incident Date: 28th May 2001 Incident Reference: 6846 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: General Biodegradable : Natural Organic Material	A5NE (W)	819	2	315860 478140
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: No Data	A15SW (N)	0	3	317000 479000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	A16SE (NE)	0	3	318037 479000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: No Data	A11NW (N)	0	3	316926 478817
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: >10m Superficial Recharge: No Data	A16SW (NE)	0	3	317545 479000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: >10m Superficial Recharge: High	A12NE (E)	0	3	318014 478752
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: >10m Superficial Recharge: High	(E)	0	3	318380 478258
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: >10m Superficial Recharge: High	(E)	0	3	318211 478242
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: >10m Superficial Recharge: High	A8NE (E)	0	3	318000 478056

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: No Data	A11SW (NE)	0	3	316918 478320
	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: >10m Superficial Recharge: No Data	A11SW (E)	0	3	317000 478320
	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: >10m Superficial Recharge: High	A12SE (E)	0	3	318000 478320
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: No Data	A7NW (S)	0	3	317008 478000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: No Data	A16SW (NE)	0	3	317524 479057
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability Combined Vulnerability: Low 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: >10m Superficial Recharge: No Data	A15SE (N)	0	3	317113 479000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Low Vulnerability Combined Vulnerability: Low 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: >10m Superficial Recharge: High	A16SE (NE)	0	3	318000 479000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	A7NW (S)	0	3	317000 478000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	A15SW (N)	0	3	317000 479000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	A16SE (NE)	0	3	318000 479000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	A11SW (NE)	0	3	316918 478320
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	A11SW (E)	0	3	317000 478320
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	A12SE (E)	0	3	318000 478320
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A11SW (NE)	0	3	316918 478320
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(E)	0	3	318211 478242

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A11NW (N)	0	3	316926 478817
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(E)	0	3	318380 478258
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A11SW (SW)	0	3	316764 478226
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A11NE (N)	0	3	317088 478816
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A10SE (W)	0	2	316448 478320
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A8NW (SE)	0	2	317608 477899
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11SW (NE)	0	2	316918 478320
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A15SW (N)	1	2	316775 478844
	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	A10NW (NW)	83	2	316370 478669
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A10NW (NW)	84	2	316368 478669
	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	A10NW (NW)	105	2	316350 478659
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A10NW (NW)	105	2	316349 478659
	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	A10NW (NW)	160	2	316295 478639
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A10SE (W)	0	2	316443 478320
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A11SW (NE)	0	2	316918 478320
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A15SW (N)	1	2	316840 478859
	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	A10NW (NW)	83	2	316370 478669

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A10NW (NW)	84	2	316370 478669
	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	A10NW (NW)	105	2	316350 478659
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A10NW (NW)	105	2	316350 478659
	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	A10NW (NW)	160	2	316295 478639
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A10NW (NW)	161	2	316294 478639
	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	A10NW (NW)	247	2	316180 478769
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A11SW (NE)	0	2	316918 478320
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A15SW (N)	1	2	316840 478859
	Flood Water Storage Areas None				
	Flood Defences None				
17	**OS Water Network Lines** Watercourse Form: Tidal river Watercourse Length: 760.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 1	A8SE (SE)	16	4	318032 477623
18	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 56.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Duddon Primacy: 1	A15NE (N)	178	4	317215 479179
19	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 128.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Duddon Primacy: 1	A15NE (NE)	232	4	317331 479315
20	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 288.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Duddon Primacy: 1	A16NW (NE)	232	4	317449 479318

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Duddon Primacy: 1	A15NE (N)	259	4	317325 479323
22	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 195.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Duddon Primacy: 1	A15NE (N)	263	4	317322 479325
23	**OS Water Network Lines** Watercourse Form: Tidal river Watercourse Length: 761.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Haverigg Pool Catchment Name: Duddon Primacy: 1	A6NW (W)	318	4	316396 478107
24	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1725.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Haverigg Pool Catchment Name: Duddon Primacy: 1	A10NW (NW)	322	4	316084 478695
25	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Duddon Primacy: 1	A10NW (NW)	342	4	316087 478695
26	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 193.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Duddon Primacy: 1	(NE)	348	4	318104 479393
27	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 161.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Duddon Primacy: 1	(NE)	378	4	317816 479511
28	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 18.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Duddon Primacy: 1	A16NE (NE)	381	4	317945 479443
29	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 99.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Duddon Primacy: 1	A16NE (NE)	383	4	317964 479445

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Duddon Primacy: 1	A16NE (NE)	391	4	318049 479444
31	**OS Water Network Lines** Watercourse Form: Tidal river Watercourse Length: 697.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Haverigg Pool Catchment Name: Duddon Primacy: 1	A6NW (SW)	413	4	316403 478069
32	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 78.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Duddon Primacy: 1	A15NE (N)	424	4	317160 479412
33	**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: Duddon Primacy: 1	A16NW (NE)	434	4	317648 479468
34	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Duddon Primacy: 1	A16NW (NE)	434	4	317648 479468
35	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 4.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Duddon Primacy: 1	A16NW (NE)	444	4	317647 479481
36	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 1.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Duddon Primacy: 1	A16NW (NE)	444	4	317650 479479
37	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 2.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Duddon Primacy: 1	A16NW (NE)	446	4	317651 479480
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 208.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Duddon Primacy: 1	A16NW (NE)	448	4	317652 479482

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 358.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Duddon Primacy: 1	A15NE (N)	500	4	317097 479459
40	**OS Water Network Lines** Watercourse Form: Tidal river Watercourse Length: 1527.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Duddon Channel Catchment Name: Duddon Primacy: 1	A3SE (S)	672	4	317401 477017
41	**OS Water Network Lines** Watercourse Form: Tidal river Watercourse Length: 3747.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Duddon Channel Catchment Name: Duddon Primacy: 1	A4NE (SE)	672	4	318023 477317
42	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 21.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Duddon Primacy: 1	A13SW (NW)	870	4	315591 478991
43	**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: Duddon Primacy: 1	A9NW (W)	955	4	315488 478564

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	**BGS Recorded Landfill Sites** Site Name: Red Hill Location: MILLOM, Cumbria Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate	A16SE (NE)	0	-	317841 479006
45	**Historical Landfill Sites** Licence Holder: Cumbria County Council Location: Millom, Cumbria Name: Redhills Quarry Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD07713 First Input Date: 31st December 1969 Last Input Date: 31st December 1993 Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial, Household and Special Waste, and Liquid Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0900/0180 BGS Ref: 97 Other Ref: 294, R20	A16SE (NE)	0	2	317842 479006
46	**Licensed Waste Management Facilities (Locations)** Licence Number: 57294 Location: Millom Civic Amenity Site, Redhills Quarry, Millom, Cumbria, LA18 4JZ Operator Name: Cumbria Waste Management Ltd Operator Location: Not Supplied Authority: Environment Agency - North West Region, North Area Site Category: Household Waste Amenity Sites **Licence Status: Transferred** Issued: 1st August 1995 Last Modified: 14th January 2004 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SE (NE)	0	2	317936 479050
	Local Authority Landfill Coverage Name: Copeland Borough Council - Has supplied landfill data		0	5	316918 478320
	Local Authority Landfill Coverage Name: Cumbria County Council - Had landfill data but passed it to the relevant environment agency		0	6	316918 478320
47	**Local Authority Recorded Landfill Sites** Location: Millom Civic Amenity Site, Redhills Quarry, Millom Reference: 294 Authority: Copeland Borough Council, Environmental Health Department **Last Reported Status: Unknown** Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A16SE (NE)	0	5	317843 479032
48	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A16SE (NE)	0	9	318049 478873
49	**Potentially Infilled Land (Non-Water)** Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A12SW (E)	0	9	317736 478399
50	**Potentially Infilled Land (Non-Water)** Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A12SE (E)	0	9	318040 478367
51	**Potentially Infilled Land (Non-Water)** Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A11SW (SE)	0	9	317053 478151

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A11NE (NE)	0	9	317172 478626
53	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A16SW (NE)	8	9	317650 478987
54	**Potentially Infilled Land (Non-Water)** Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A14SE (NW)	252	9	316624 479002
55	**Registered Landfill Sites** Licence Holder: Cumbria County Contracting Licence Reference: R20/M4 Site Location: Redhills Quarry, Millom, Cumbria Licence Easting: 317900 Licence Northing: 479200 Operator Location: Barras Lane, DALSTON, Cumbria, CA5 7ND Authority: Environment Agency - North West Region, North Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1991 Preceded By Licence: R20/M2 Superseded By Licence: R20/M2 Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Asbestos Bentonite Slurry From Oil Drilling Ops Commercial Waste Const'N/Demol. (Incl. Non-Inerts) Gulley Emptyings H'Core,Concrete,Brick,Slate,Glass,Cera Hard Bonded Asbestos From Const/Demol. Household Waste Industrial Wastes Inert Mat'L Consisting Of Max.Waste Permitted By Licence-Stated Septic Tank Emptyings Soil,Sand,Clay,Stone Prohibited Waste: Animal Flesh Foodstuffs Leachate Forming Mat'Ls Incl. Liquid Wastes Other Than Spec.Below Metal Objects Paper/Cardboard Waste Plasterboard/Plaster Plastic Objects Sawdust Textiles Vegetable Matter Wood/Timber Environment Agency must give specific authorisation for this waste to be acceptedWaste requires prior approval: Other Special Waste (Except By P.A.)	A16NE (NE)	139	2	317900 479200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	**Registered Landfill Sites** Licence Holder: Cumbria County Contracting Licence Reference: R20/M2 Site Location: Redhills Quarry, Millom, Cumbria Licence Easting: 317900 Licence Northing: 479200 Operator Location: Barras Lane, DALSTON, Cumbria, CA5 7ND Authority: Environment Agency - North West Region, North Area Site Category: Landfill - with civic amenity Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Record supersededSuperseded Dated: 1st October 1990 Preceded By Licence: R20/M4 Superseded By Licence: R20/M4 Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Asbestos Bentonite Slurry Ex Oil Drilling Op'Ns Commercial Waste Construction And Demolition Wastes Gulley Emptyings - J40 Hard Bonded Asbestos Prods Ex Constr'N Hardcore, Brick, Concrete, Household Waste Industrial Wastes Inert Mat'Ls Consisting Of Max.Waste Permitted By Licence-Stated Septic Tank Emptyings Slag, Slate, Glass, Ceramic Mat'Ls Soil, Stone, Sand, Clay Prohibited Waste: Animal Flesh Difficult Waste N.O.S. Foodstuffs Liquid Waste N.O.S. - Except By P.A. Loose Asbestos Fibres Metal Objects Paper/Cardboard Waste Plasterboard/Plaster Plastic Objects Sawdust Special Wastes N.O.S. Textiles Vegetable Matter Waste Forming Polluting Leachate Wood, Timber	A16NE (NE)	139	2	317900 479200
55	**Registered Landfill Sites** Licence Holder: Cumbria County Contracting Licence Reference: R20 Site Location: Redhills Quarry, Millom, Cumbria Licence Easting: 317900 Licence Northing: 479200 Operator Location: Barras Lane, DALSTON, Cumbria, CA5 7ND Authority: Environment Agency - North West Region, North Area Site Category: Landfill Max Input Rate: Undefined Waste Source Restrictions: No known restriction on source of waste Status: Record supersededSuperseded Dated: 1st June 1977 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Certain Special Wastes Hard/Bonded Asbestos House, Com + Ind.Waste	A16NE (NE)	139	2	317900 479200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	**Registered Waste Transfer Sites** Licence Holder: L & W Wilson (Endmoor) Ltd Licence Reference: 294/M1 Site Location: Millom C.A.Site, Redhills Quarry, Millom, Cumbria Operator Location: Shiralee, Gatebeck Road, Endmoor, Kendal, Cumbria, La8 0hl Authority: Environment Agency - North West Region, North Area Site Category: Civic Amenity Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Operational as far as is knownOperational Dated: 1st August 1995 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Commercial Waste Construction And Demolition Wastes Hard/Bonded Asbestos Prods Household Waste Industrial Wastes Inert Hardcore, Concrete, Brick Inert Slate, Glass, Ceramic Inert Soil, Sand, Clay, Stone Max.Waste Permitted By Licence Prohibited Waste: Clinical - As In Control.Waste Regs'92 Difficult Wastes (As In Wmp.26) Liquid Wastes Spec.Waste (Epa'90:S62/1996 Regs)N.O.S Waste N.O.S.	A16SE (NE)	0	2	317930 479050

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Dinantian Rocks (Undifferentiated)	A11SW (NE)	0	1	316983 478382
	BGS 1:625,000 Solid Geology Description: Dinantian Rocks (Undifferentiated)	A15SE (NE)	0	1	317247 479108
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11SW (NE)	0	1	316918 478320
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15SE (N)	0	1	317231 479141
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A10NW (NW)	162	1	316289 478646
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15SW (N)	227	1	317000 478855
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SE (NW)	229	1	316565 479000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: no data Chromium Concentration: 60 - 90 mg/kg Lead Concentration: no data Nickel Concentration: 15 - 30 mg/kg	A6NE (SW)	370	1	316500 478000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (NW)	448	1	316002 478893
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NW)	680	1	316052 479312
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: no data Chromium Concentration: 60 - 90 mg/kg Lead Concentration: no data Nickel Concentration: 15 - 30 mg/kg	A3SW (S)	950	1	316944 477000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9SW (W)	956	1	315500 478320
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: no data Chromium Concentration: 90 - 120 mg/kg Lead Concentration: no data Nickel Concentration: 15 - 30 mg/kg	A4SE (SE)	960	1	318000 477000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	**BGS Recorded Mineral Sites** Site Name: Hodbarrow Iron Ore Mines Location: Haverigg, Millom, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 143778 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Not Available Geology: ! Commodity: Iron ore Positional Accuracy: Located by supplier to within 10m	A12NE (E)	0	1	317785 478594
58	**BGS Recorded Mineral Sites** Site Name: Hodbarrow Iron Ore Mines Location: Haverigg, Millom, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 143779 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Not Available Geology: ! Commodity: Iron ore Positional Accuracy: Located by supplier to within 10m	A16SW (NE)	0	1	317716 478906
59	**BGS Recorded Mineral Sites** Site Name: Red Hills Quarry Location: Haverigg, Millom, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 143774 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Red Hill Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A16SE (NE)	18	1	317790 478999
60	**BGS Recorded Mineral Sites** Site Name: Red Hills Slag Bank Location: Millom, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 5962 Type: Tip **Status: Ceased** Operator: Millom Aggregates Operator Location: Not Supplied Periodic Type: Not Available Geology: Blast Furnace Slag Commodity: Slag (Including Basic Oxygen Slag and Electric Arc Furnace Slags) Positional Accuracy: Located by supplier to within 10m	A16NW (NE)	119	1	317500 479190
61	**BGS Recorded Mineral Sites** Site Name: Red Hills Quarry Location: Millom, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 1148 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Red Hill Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A16NE (NE)	188	1	317900 479250
62	**BGS Recorded Mineral Sites** Site Name: Whitriggs Close Clay Pits Location: Haverigg, Millom, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 143781 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A14SE (NW)	300	1	316540 479069

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	**BGS Recorded Mineral Sites** Site Name: Whitriggs Close Clay Pits Location: Haverigg, Millom, Cumbria Source: British Geological Survey, National Geoscience Information Service Reference: 143782 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A14NW (NW)	411	1	316399 479168
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Mining Instability Mining Evidence: Conclusive Iron Ore Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A11SW (NE)	0	-	316918 478320
	Man-Made Mining Cavities Easting: 317700 Northing: 478900 Distance: 0 Quadrant Reference: A16 Quadrant Reference: SW Bearing Ref: NE Cavity Type: Not supplied Commodity: Hematite Solid Geology Detail: No Details Superficial Geology Detail: No Details	A16SW (NE)	0	7	317700 478900
	Man-Made Mining Cavities Easting: 317700 Northing: 478900 Distance: 0 Quadrant Reference: A16 Quadrant Reference: SW Bearing Ref: NE Cavity Type: Iron Mine Entry Shaft Commodity: Iron Solid Geology Detail: No Details Superficial Geology Detail: No Details	A16SW (NE)	0	7	317700 478900
	Man-Made Mining Cavities Easting: 317800 Northing: 478400 Distance: 0 Quadrant Reference: A12 Quadrant Reference: SE Bearing Ref: E Cavity Type: Iron Mine Entry Shaft Commodity: Iron Solid Geology Detail: No Details Superficial Geology Detail: No Details	A12SE (E)	0	7	317800 478400
	Man-Made Mining Cavities Easting: 317800 Northing: 478500 Distance: 0 Quadrant Reference: A12 Quadrant Reference: NE Bearing Ref: E Cavity Type: Iron Mine Entry Shaft Commodity: Iron Solid Geology Detail: No Details Superficial Geology Detail: No Details	A12NE (E)	0	7	317800 478500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Man-Made Mining Cavities Easting: 317800 Northing: 478700 Distance: 0 Quadrant Reference: A12 Quadrant Reference: NE Bearing Ref: NE Cavity Type: Iron Mine Entry Shaft Commodity: Iron Solid Geology Detail: No Details Superficial Geology Detail: No Details	A12NE (NE)	0	7	317800 478700
	Man-Made Mining Cavities Easting: 317800 Northing: 478800 Distance: 0 Quadrant Reference: A12 Quadrant Reference: NE Bearing Ref: NE Cavity Type: Iron Mine Entry Shaft Commodity: Iron Solid Geology Detail: No Details Superficial Geology Detail: No Details	A12NE (NE)	0	7	317800 478800
	Man-Made Mining Cavities Easting: 317900 Northing: 478500 Distance: 0 Quadrant Reference: A12 Quadrant Reference: NE Bearing Ref: E Cavity Type: Iron Mine Entry Shaft Commodity: Iron Solid Geology Detail: No Details Superficial Geology Detail: No Details	A12NE (E)	0	7	317900 478500
	Man-Made Mining Cavities Easting: 318000 Northing: 478400 Distance: 0 Quadrant Reference: A12 Quadrant Reference: SE Bearing Ref: E Cavity Type: Iron Mine Entry Shaft Commodity: Iron Solid Geology Detail: No Details Superficial Geology Detail: No Details	A12SE (E)	0	7	318000 478400
	Man-Made Mining Cavities Easting: 317300 Northing: 479000 Distance: 137 Quadrant Reference: A15 Quadrant Reference: SE Bearing Ref: NE Cavity Type: Iron Mine Entry Shaft Commodity: Iron Solid Geology Detail: No Details Superficial Geology Detail: No Details	A15SE (NE)	137	7	317300 479000
	Man-Made Mining Cavities Easting: 316700 Northing: 478800 Distance: 184 Quadrant Reference: A10 Quadrant Reference: NE Bearing Ref: NW Cavity Type: Iron Mine Entry Shaft Commodity: Iron Solid Geology Detail: No Details Superficial Geology Detail: No Details	A10NE (NW)	184	7	316700 478800
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	317953 478736

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A16SW (NE)	0	1	317755 478827
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	0	1	318017 478905
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A11SW (NE)	0	1	316918 478320
	Non Coal Mining Areas of Great Britain Risk: Highly Likely Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	317894 478612
	Non Coal Mining Areas of Great Britain Risk: Highly Likely Source: British Geological Survey, National Geoscience Information Service	A11SW (N)	0	1	316912 478347
	Non Coal Mining Areas of Great Britain Risk: Highly Likely Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	0	1	317954 479116
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A11SW (S)	0	1	316934 478250
	Non Coal Mining Areas of Great Britain Risk: Highly Likely Source: British Geological Survey, National Geoscience Information Service	A11SW (NW)	8	1	316840 478405
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A15SW (N)	15	1	316898 479103
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A11SE (E)	82	1	317162 478374
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (NE)	0	1	316918 478320
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (SW)	0	1	316764 478226
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (NE)	0	1	316918 478320
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12SE (E)	0	1	318029 478460
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12SW (E)	0	1	317438 478472
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11SW (SW)	0	1	316764 478226
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11SW (W)	0	1	316782 478336
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A12SW (E)	0	1	317651 478420
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11SE (SE)	0	1	317212 478151
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A16SW (NE)	0	1	317510 478920
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11SE (E)	0	1	317411 478481

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	317968 478538
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (NE)	0	1	316926 478325
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (N)	0	1	317088 478816
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	316468 478760
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	1	1	316849 478780
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A12SW (E)	9	1	317702 478405
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11NE (NE)	190	1	317277 478786
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (NE)	0	1	316918 478320
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A16SW (NE)	0	1	317679 478825
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	0	1	318043 478983
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (SW)	0	1	316764 478226
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	26	1	317995 479131
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A16NE (NE)	175	1	317774 479199
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (NE)	0	1	316918 478320
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A16NW (NE)	0	1	317573 479297
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A8NE (E)	9	1	317868 477978
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	11	1	316458 478699
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A8NE (E)	14	1	317953 478026
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A15SE (NE)	33	1	317320 479048
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	63	1	317981 479129
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A16NE (NE)	116	1	317982 479174

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A16NE (NE)	175	1	317774 479199
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A16NE (NE)	225	1	317770 479257
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11SW (SW)	0	1	316764 478226
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12SE (E)	0	1	317980 478480
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	316468 478760
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (NE)	0	1	316918 478320
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (NE)	0	1	316926 478325
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	0	1	317827 479045
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	1	1	316926 478817
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A16NW (NE)	0	1	317573 479297
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (NE)	0	1	316918 478320
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	318014 478752
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11SW (SW)	0	1	316764 478226
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (N)	1	1	316926 478817
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A12NE (NE)	0	1	317775 478775
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Higher probability radon area (10 to 30% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	316500 478750
	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	A16SW (NE)	0	1	317575 479025
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A15SW (N)	0	1	316918 479125
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Higher probability radon area (10 to 30% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	318075 478775

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A11SW (NE)	0	1	316918 478320
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A8NW (SE)	0	1	317750 477900
	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	A7NE (SE)	0	1	317125 477975
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A12NE (NE)	0	1	317775 478775
	Radon Potential - Radon Protection Measures Protection Measure: Full radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A10NE (NW)	0	1	316500 478750
	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	A16SW (NE)	0	1	317575 479025
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A15SW (N)	0	1	316918 479125
	Radon Potential - Radon Protection Measures Protection Measure: Full radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	318075 478775
	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	A11SW (NE)	0	1	316918 478320
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A8NW (SE)	0	1	317750 477900
	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	A7NE (SE)	0	1	317125 477975

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	**Contemporary Trade Directory Entries** Name: Scurrah Nassau Group Location: Haverigg Industrial Estate, Haverigg, Millom, Cumbria, LA18 4NG Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (NW)	290	-	316295 479005
64	**Contemporary Trade Directory Entries** Name: Poolside Garage Location: Haverigg Industrial Estate, Haverigg, Millom, LA18 4NG Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (NW)	314	-	316326 479043
65	**Contemporary Trade Directory Entries** Name: Ian Hudson & Co Location: Tannery Complex, Haverigg Industrial Estate, Haverigg, Millom, LA18 4NG Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (NW)	309	-	316292 479024
65	**Contemporary Trade Directory Entries** Name: Textile Linking Services Location: Tannery Complex, Haverigg Industrial Estate, Haverigg, Millom, Cumbria, LA18 4NG Classification: Lingerie & Hosiery Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (NW)	314	-	316292 479029
65	**Contemporary Trade Directory Entries** Name: Ian Hudson Location: Tannery Complex, Haverigg Industrial Estate, Haverigg, Millom, Cumbria, LA18 4NG Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (NW)	314	-	316292 479029
65	**Contemporary Trade Directory Entries** Name: Ian Hudson Location: Tannery Complex, Haverigg Industrial Estate, Haverigg, Millom, Cumbria, LA18 4NG Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (NW)	314	-	316292 479029
65	**Contemporary Trade Directory Entries** Name: Ian Jackson & Son Location: Unit E1, Haverigg Industrial Estate, Haverigg, LA18 4NG Classification: Plant & Machinery Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (NW)	316	-	316293 479032
65	**Contemporary Trade Directory Entries** Name: Agriculture & Commercial Engineering Location: Unit E1, Haverigg Industrial Estate, Haverigg, LA18 4NG Classification: Agricultural Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (NW)	316	-	316293 479032
65	**Contemporary Trade Directory Entries** Name: Mike Huddleston Motor Engineers Ltd Location: Unit E1, Haverigg Industrial Estate, Haverigg, LA18 4NG Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (NW)	316	-	316293 479032
65	**Contemporary Trade Directory Entries** Name: S N Group Location: Haverigg Industrial Estate, Haverigg, Millom, Cumbria, LA18 4NG Classification: Engineers - General **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A14SW (NW)	321	-	316275 479028
65	**Contemporary Trade Directory Entries** Name: Haverigg Exhaust & Tyre Centre Location: Haverigg Industrial Estate, Haverigg, Millom, Cumbria, LA18 4NG Classification: Exhaust & Shock Absorber Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (NW)	340	-	316245 479033

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	**Contemporary Trade Directory Entries** Name: W Milligan & Sons Location: Haverigg Industrial Estate, Haverigg, Millom, Cumbria, LA18 4NG Classification: Car Customisation & Conversion Specialists **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A14SW (NW)	340	-	316245 479033
65	**Contemporary Trade Directory Entries** Name: Trolley Makers Uk Location: D5 Haverigg Industrial Estate, Haverigg, Millom, Cumbria, LA18 4NG Classification: Trolley, Truck & Barrow Makers **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A14SW (NW)	340	-	316245 479033
65	**Contemporary Trade Directory Entries** Name: Top Cars Garage Location: Haverigg Ind Est, Haverigg, Millom, Cumbria, LA18 4NG Classification: Car Dealers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A14SW (NW)	340	-	316245 479033
65	**Contemporary Trade Directory Entries** Name: Ian Hudson Co Location: Unit 4, Tannery Complex, Haverigg Industrial Estate, Haverigg, Millom, Cumbria, LA18 4NG Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (NW)	365	-	316204 479035
66	**Contemporary Trade Directory Entries** Name: Lagoon Marine Location: 20, Poolside, Haverigg, Millom, Cumbria, LA18 4HW Classification: Marine Engineering Equipment Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (NW)	351	-	316086 478836
67	**Contemporary Trade Directory Entries** Name: Cryopod Location: Heron House, Sea View, Haverigg, Millom, LA18 4ER Classification: Sports Equipment Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (W)	405	-	316060 478561
68	**Contemporary Trade Directory Entries** Name: Abicool Ltd Location: Steel Green House, Steel Green, Millom, Cumbria, LA18 4LG Classification: Refrigerators & Freezers - Servicing & Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A15SW (N)	438	-	316936 478901
69	**Points of Interest - Commercial Services** Name: Ian Hudson & Co Location: Unit D2, Haverigg Industrial Estate, Haverigg, LA18 4NG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (NW)	314	8	316291 479029
69	**Points of Interest - Commercial Services** Name: Hudson Location: Tannery Complex, Haverigg Industrial Estate, Haverigg, Millom, LA18 4NG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (NW)	314	8	316292 479029
69	**Points of Interest - Commercial Services** Name: Mike Huddleston Location: Unit E1, Haverigg Industrial Estate, Haverigg, LA18 4NG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (NW)	316	8	316292 479031
69	**Points of Interest - Commercial Services** Name: Haverigg Tyre Centre Location: Haverigg Industrial Estate, Haverigg, Millom, LA18 4NG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (NW)	339	8	316245 479032
69	**Points of Interest - Commercial Services** Name: Haverigg Exhaust & Tyre Centre Location: Haverigg Industrial Estate, Haverigg, Millom, LA18 4NG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (NW)	339	8	316245 479032

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
69	**Points of Interest - Commercial Services** Name: Poolside Garage Location: Haverigg Industrial Estate, Haverigg, Millom, LA18 4NG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (NW)	372	8	316216 479052
69	**Points of Interest - Commercial Services** Name: Poolside Garage Location: Haverigg Industrial Estate, Haverigg, LA18 4NG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (NW)	385	8	316205 479061
70	**Points of Interest - Commercial Services** Name: Top Cars Garage Location: Haverigg Industrial Estate, Haverigg, Millom, LA18 4NG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (NW)	365	8	316302 479089
71	**Points of Interest - Manufacturing and Production** Name: Shaft (Disused) Location: LA18 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A16SW (NE)	0	8	317742 478914
71	**Points of Interest - Manufacturing and Production** Name: Shaft (Disused) Location: LA18 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A16SW (NE)	0	8	317726 478916
72	**Points of Interest - Manufacturing and Production** Name: Shaft Location: LA18 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A12NE (E)	0	8	318048 478595
72	**Points of Interest - Manufacturing and Production** Name: Shaft Location: LA18 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A12NE (E)	0	8	318056 478603
73	**Points of Interest - Manufacturing and Production** Name: Redhills Quarry (disused) Location: LA18 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to address or location	A16SE (NE)	15	8	317911 479073
74	**Points of Interest - Manufacturing and Production** Name: Redhills Quarry (Disused) Location: LA18 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A16SE (NE)	26	8	318070 479023
75	**Points of Interest - Manufacturing and Production** Name: Redhills Quarry (Disused) Location: LA18 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A16NE (NE)	137	8	317930 479200
76	**Points of Interest - Manufacturing and Production** Name: Industrial Estate Location: LA18 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A14SW (NW)	290	8	316258 478982
76	**Points of Interest - Manufacturing and Production** Name: Industrial Estate Location: LA18 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A14SW (NW)	334	8	316280 479046

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
76	**Points of Interest - Manufacturing and Production** Name: Industrial Estate Location: LA18 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A14SW (NW)	335	8	316282 479048
77	**Points of Interest - Manufacturing and Production** Name: Rothery Location: New Hall Farm, Mainsgate Road, Millom, LA18 4JY Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A15NE (NE)	371	8	317403 479455
78	**Points of Interest - Manufacturing and Production** Name: James Craghill Location: 1 Red Brow, Haverigg, LA18 4PR Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A13SW (NW)	886	8	315596 479055
79	**Points of Interest - Public Infrastructure** Name: Sluices Location: LA18 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NE (SE)	8	8	317384 477881
79	**Points of Interest - Public Infrastructure** Name: Sluice (Disused) Location: LA18 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NE (SE)	12	8	317385 477877
80	**Points of Interest - Public Infrastructure** Name: Heap (Dis) Location: LA18 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A16NW (NE)	196	8	317603 479206
80	**Points of Interest - Public Infrastructure** Name: Slag Heap Location: LA18 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A16NW (NE)	202	8	317630 479191
81	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9SE (W)	466	8	316035 478479
81	**Points of Interest - Recreational and Environmental** Name: Playground Location: Nr Bank End, LA18 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A9SE (W)	469	8	316034 478474
81	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9SE (W)	494	8	316013 478461
81	**Points of Interest - Recreational and Environmental** Name: Playground Location: Nr Bank End, LA18 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9SE (W)	532	8	315981 478441

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
82	**Gas Pipelines** Name: PENNINGTON TO SELLAFIELD Nat Grid: Owned By National Grid Diameter (mm): 300 Building Proximity Distance (m): Not Supplied Status: Active Pipe Length (m): 44359.04 Pipe Number: Not Supplied	A15NE (N)	243	9	317303 479325

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
83	**Local Nature Reserves** Name: Millom Ironworks Multiple Area: N Area (m2): 210265.62 Source: Natural England Designation Date: 21st June 2002	(NE)	799	10	317907 479870
84	**Ramsar Sites** Name: Duddon Estuary Multiple Areas: N Total Area (m2): 67797115.58 Source: Natural England Reference: UK11022 Designation Date: Not Supplied	A11SW (NE)	0	10	316918 478320
85	**Sites of Special Scientific Interest** Name: Duddon Estuary Multiple Areas: N Total Area (m2): 67859465.7 Source: Natural England Reference: 1000104 Designation Details: Nature Conservation Review Designation Date: 27th February 1991 Date Type: Notified Designation Details: National Nature Reserve Designation Date: 27th February 1991 Date Type: Notified Designation Details: National Park Designation Date: 27th February 1991 Date Type: Notified Designation Details: National Trust Reserve Designation Date: 27th February 1991 Date Type: Notified Designation Details: Ramsar Site Designation Date: 27th February 1991 Date Type: Notified Designation Details: RSPB Reserve Designation Date: 27th February 1991 Date Type: Notified Designation Details: Special Area Of Conservation Designation Date: 27th February 1991 Date Type: Notified Designation Details: Special Protection Area Designation Date: 27th February 1991 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 27th February 1991 Date Type: Notified Designation Details: Water Framework Directive (WFD) Designation Date: 27th February 1991 Date Type: Notified	A11SW (NE)	0	10	316918 478320
86	**Special Areas of Conservation** Name: Morecambe Bay Multiple Areas: N Total Area (m2): 615375122.7 Source: Natural England Reference: UK0013027 **Status: Designated**	A11SW (NE)	0	10	316918 478320
87	**Special Protection Areas** Name: Morecambe Bay And Duddon Estuary Multiple Areas: Y Total Area (m2): 668993797.85 Source: Natural England Reference: UK9020326 Designation Date: Not Supplied	A11SW (NE)	0	10	316918 478320

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Barrow In Furness Borough Council - Environmental Health Department	January 2020	Annual Rolling Update
Environment Agency - Head Office	June 2020	Annually
Copeland Borough Council - Environmental Health Department	September 2017	Annual Rolling Update
Discharge Consents		
Environment Agency - North West Region	January 2023	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - North West Region	March 2013	
Integrated Pollution Controls		
Environment Agency - North West Region	January 2009	
Integrated Pollution Prevention And Control		
Environment Agency - North West Region	October 2022	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Copeland Borough Council - Environmental Health Department	February 2015	Variable
Barrow In Furness Borough Council - Environmental Health Department	October 2014	Variable
Local Authority Pollution Prevention and Controls		
Copeland Borough Council - Environmental Health Department	February 2015	Not Applicable
Barrow In Furness Borough Council - Environmental Health Department	October 2014	Not Applicable
Local Authority Pollution Prevention and Control Enforcements		
Copeland Borough Council - Environmental Health Department	February 2015	Variable
Barrow In Furness Borough Council - Environmental Health Department	October 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	December 2022	
Pollution Incidents to Controlled Waters		
Environment Agency - North West Region	January 2000	
Prosecutions Relating to Authorised Processes		
Environment Agency - North West Region	July 2015	
Prosecutions Relating to Controlled Waters		
Environment Agency - North West Region	March 2013	
Registered Radioactive Substances		
Environment Agency - North West Region	June 2016	As notified
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register		
Environment Agency - North West Region - North Area	October 2022	Quarterly
Water Abstractions		
Environment Agency - North West Region	January 2023	Quarterly
Water Industry Act Referrals		
Environment Agency - North West Region	October 2017	
Groundwater Vulnerability Map		
Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk		
Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually

Agency & Hydrological	Version	Update Cycle
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	January 2023	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites		
Environment Agency - Head Office	November 2022	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North West Region - North Area	October 2022	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North West Region - North Area	July 2022	Quarterly
Local Authority Landfill Coverage		
Barrow In Furness Borough Council - Environmental Health Department	February 2003	Not Applicable
Copeland Borough Council - Environmental Health Department	February 2003	Not Applicable
Cumbria County Council - Economy And Environment Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Barrow In Furness Borough Council - Environmental Health Department	October 2018	
Copeland Borough Council - Environmental Health Department	October 2018	
Cumbria County Council - Economy And Environment Department	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - North West Region - North Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North West Region - North Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - North West Region - North Area	June 2015	
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Barrow In Furness Borough Council	February 2016	Variable
Copeland Borough Council - Planning	February 2016	Variable
Cumbria County Council - Development Control	February 2016	Variable
Planning Hazardous Substance Consents		
Barrow In Furness Borough Council	February 2016	Variable
Copeland Borough Council - Planning	February 2016	Variable
Cumbria County Council - Development Control	February 2016	Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	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	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	September 2022	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	September 2022	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	January 2023	Quarterly
Fuel Station Entries Catalist Ltd - Experian	January 2023	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	December 2022	Quarterly
Points of Interest - Education and Health PointX	December 2022	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2022	Quarterly
Points of Interest - Public Infrastructure PointX	December 2022	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2022	Quarterly
Underground Electrical Cables National Grid	February 2023	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt		
Barrow In Furness Borough Council	July 2022	Quarterly
Copeland Borough Council - Planning	July 2022	Quarterly
Areas of Unadopted Green Belt		
Barrow In Furness Borough Council	July 2022	Quarterly
Copeland Borough Council - Planning	July 2022	Quarterly
Areas of Outstanding Natural Beauty		
Natural England	August 2022	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	February 2023	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)	April 2016	
Environment Agency - Head Office	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

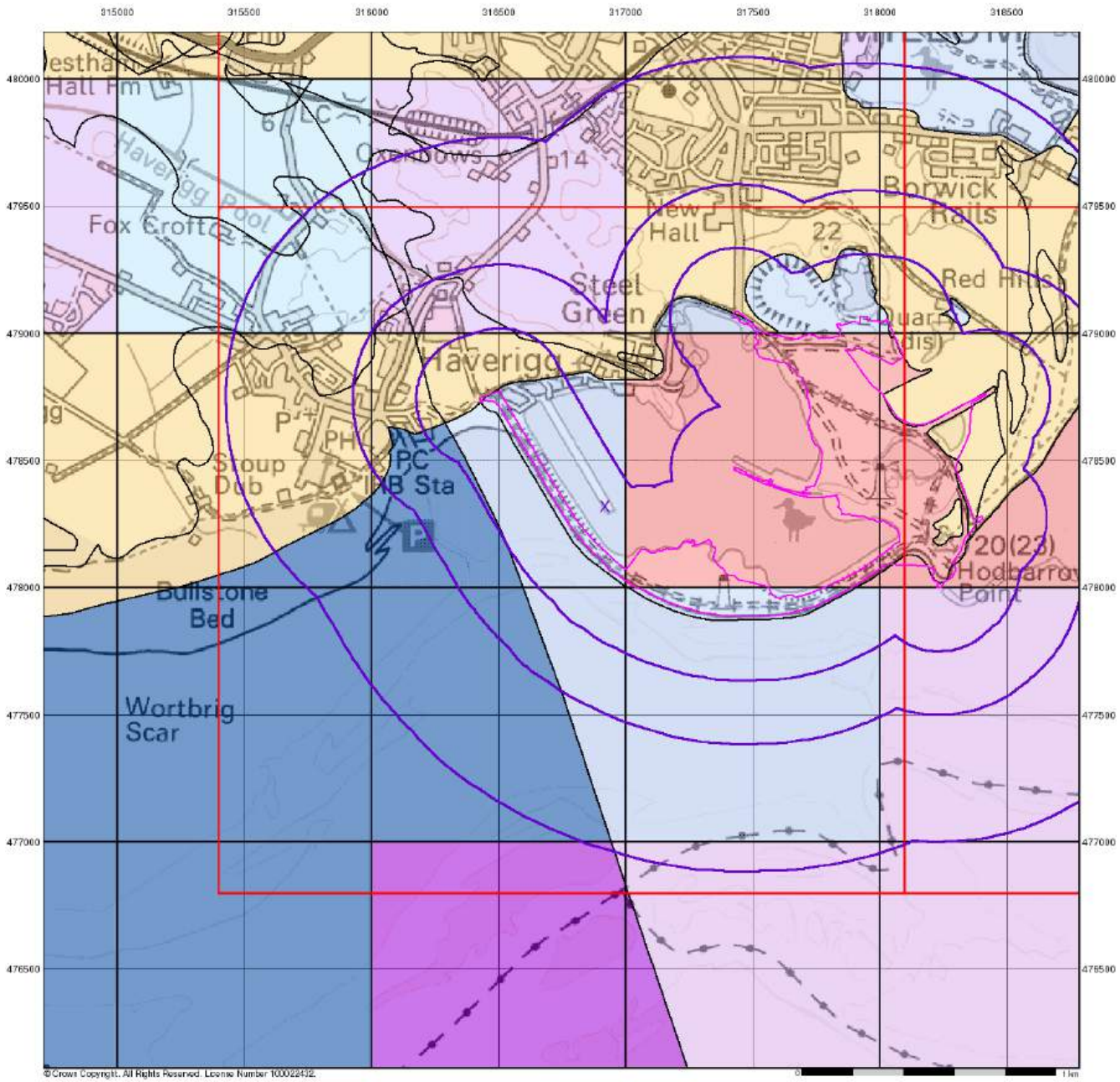
Data Suppliers

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	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	**Copeland Borough Council - Environmental Health Department** P O Box 19, Council Offices, Catherine Street, Whitehaven, Cumbria, CA28 7NY	Telephone: 01946 852585 Fax: 01946 590123 Email: dev.env@copelandbc.gov.uk Website: www.copelandbc.gov.uk
6	**Cumbria County Council - Economy And Environment Department** Citadel Chambers, Citadel Row, Carlisle, Cumbria, CA3 8SG	Telephone: 01228 606718 Website: www.cumbria.gov.uk
7	**Stantec UK Ltd** Caversham Bridge House, Waterman Place, Reading, RG1 8DN	Telephone: 0118 950 0761 Email: pba.reading@stantec.com Website: www.stantec.com
8	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9966 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk
10	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



curtins

Groundwater Vulnerability

General

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

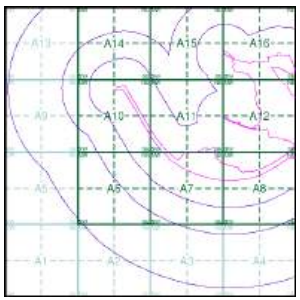
Agency and Hydrological

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

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

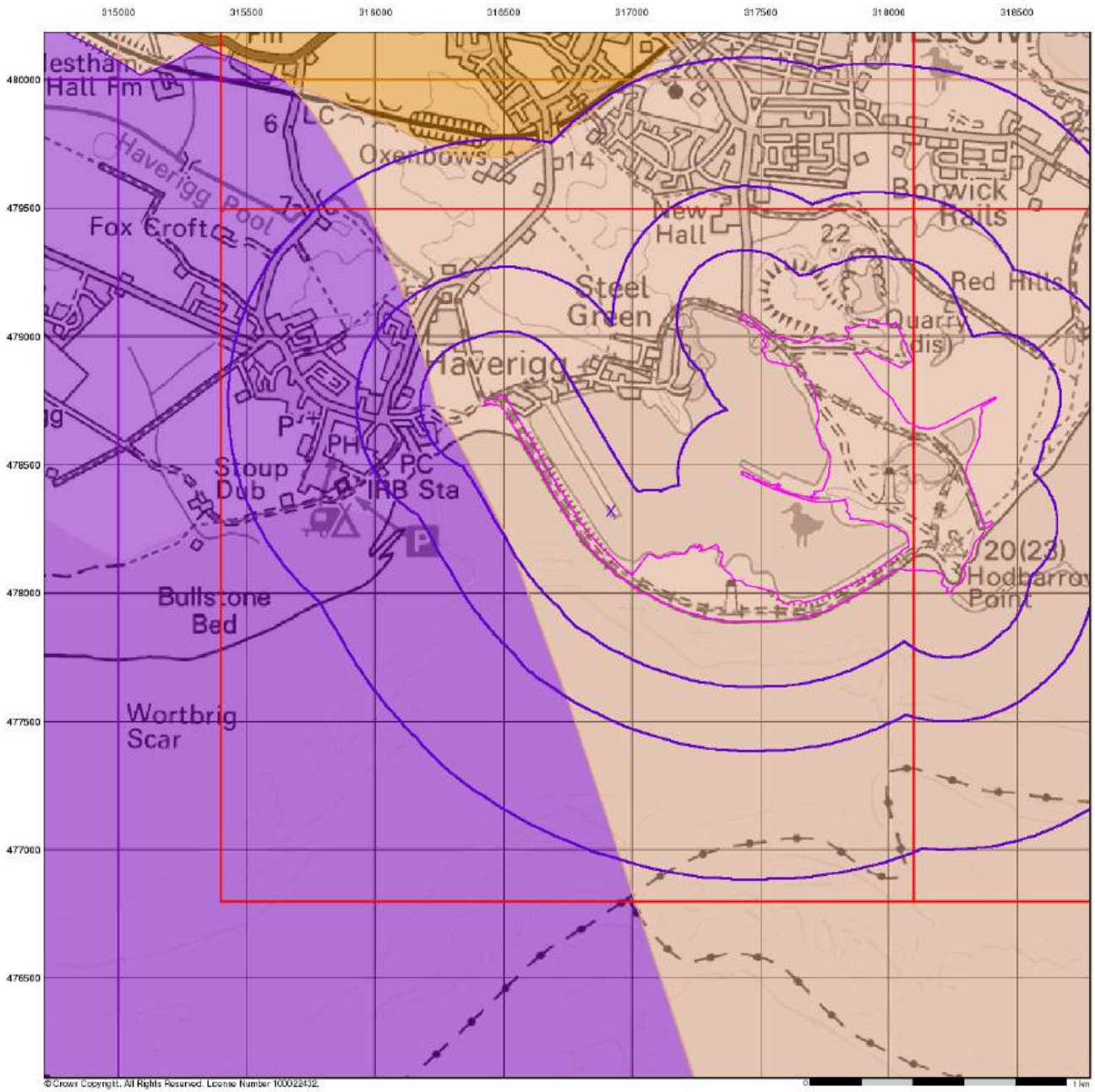
Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	1000

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

Landmark INFORMATION GROUP

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



curtins

Bedrock Aquifer Designation

General

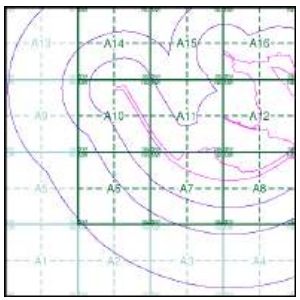
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A

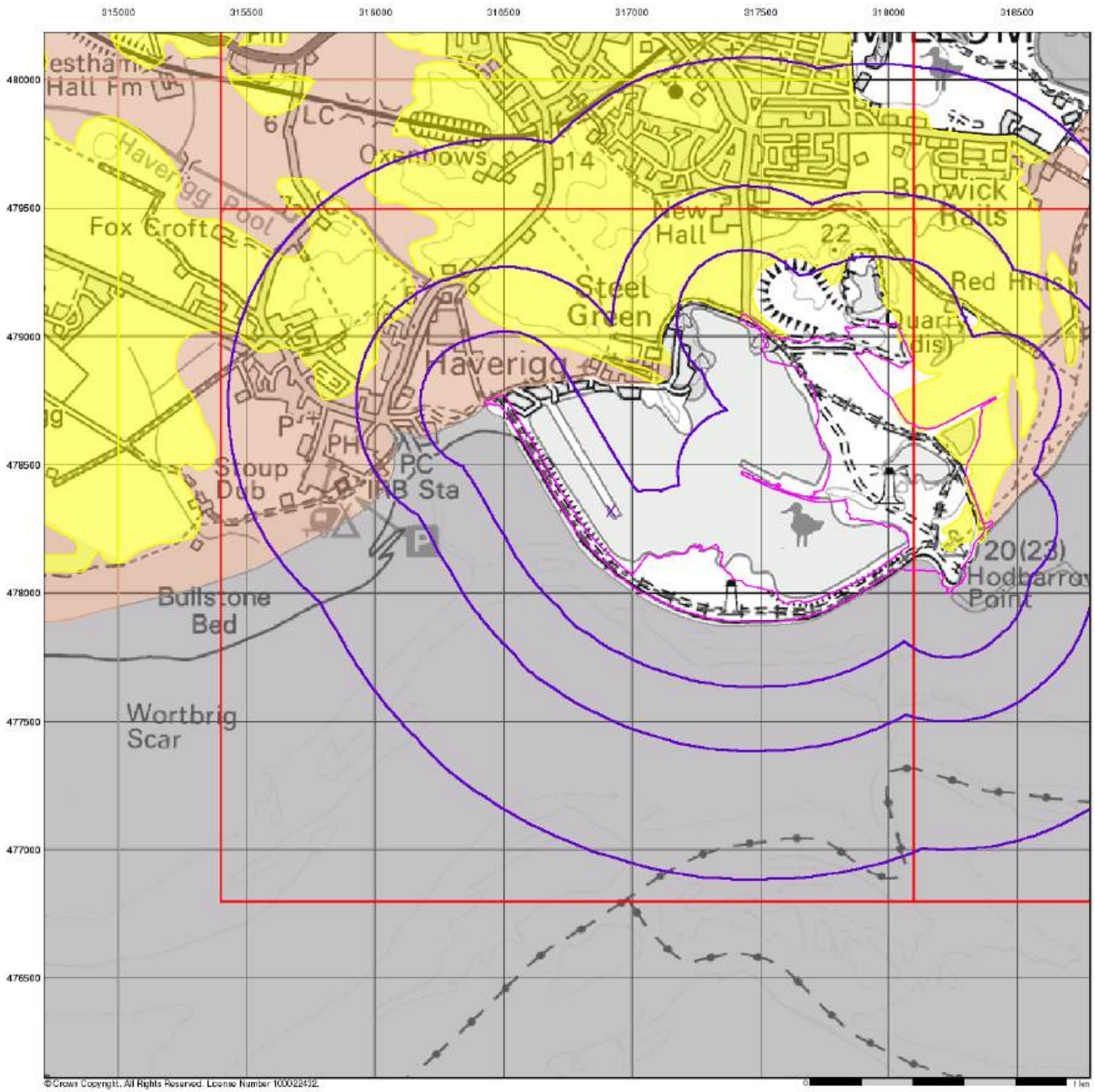


Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	1000

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG



curtins

Superficial Aquifer Designation

General

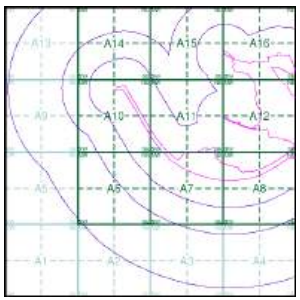
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A

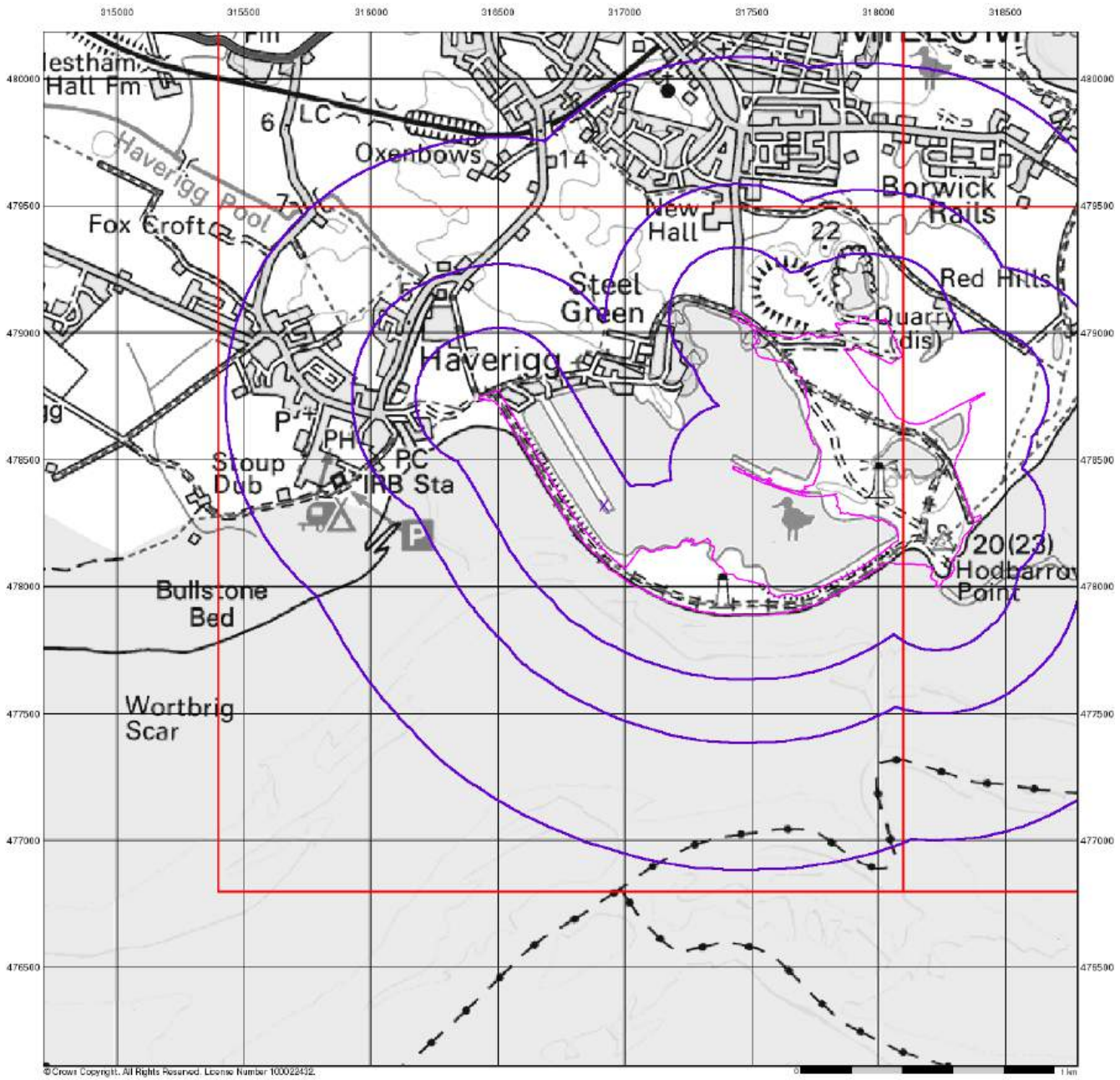


Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	1000

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG



curtins

Source Protection Zones

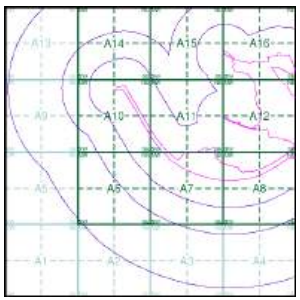
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



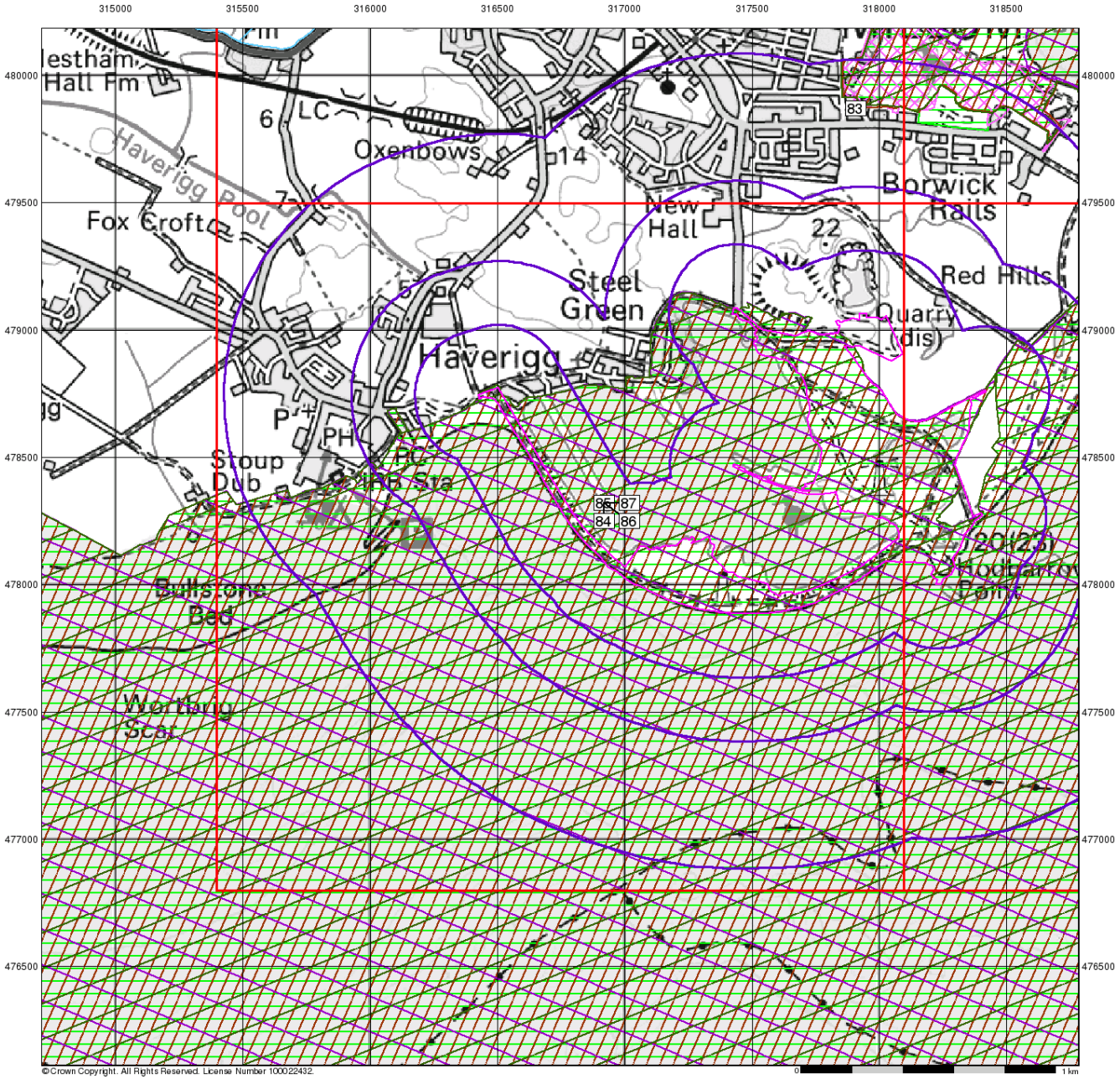
Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	1000

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

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



curtins

Sensitive Land Uses

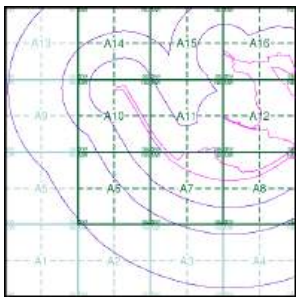
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



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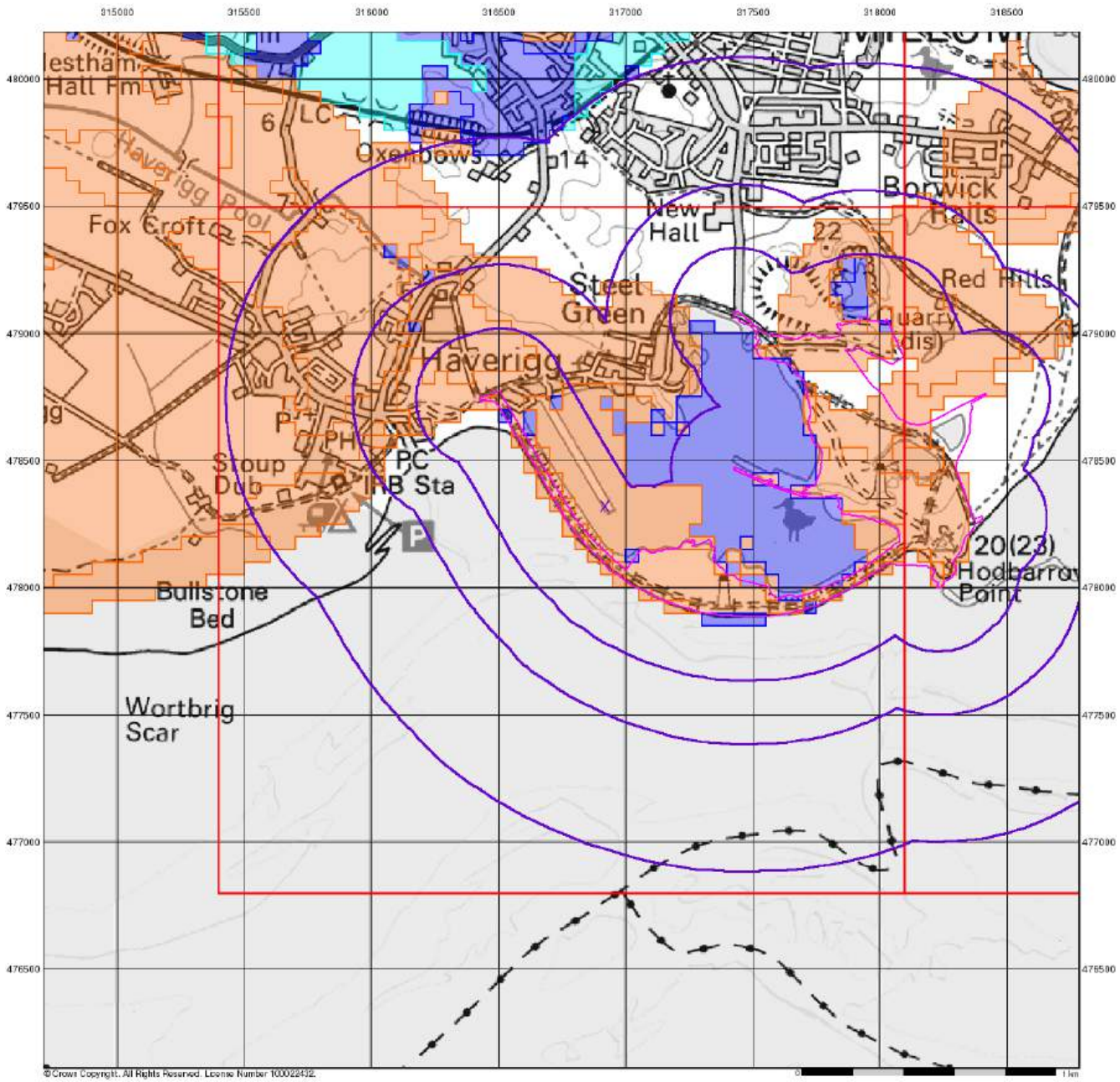


curtins

BGS Flood GFS Data

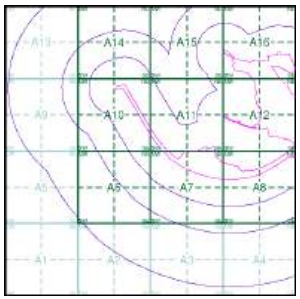
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



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Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WMGR	Infilled Ground	Artificial Deposit	Not Supplied - Holocene
	WGR	Worked Ground (Undivided)	Void	Not Supplied - Holocene
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	TFD	Tidal Flat Deposits	Clay and Silt	Not Supplied - Holocene
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	SAMD	Saltmarsh Deposits	Clay and Silt	Not Supplied - Holocene
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	BSA	Blown Sand	Sand	Not Supplied - Quaternary
	STOB	Storm Beach Deposits	Gravel	Not Supplied - Quaternary
	RMD	Raised Marine Deposits	Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	SBS	St Bees Sandstone Member	Sandstone	Not Supplied - Early Triassic
	PKUL	Park Limestone Formation and Urswick Limestone Formation (Undifferentiated)	Calcarenite	Not Supplied - Visean
	DLB	Dalton Formation	Calcarenite	Not Supplied - Visean
	RHO	Red Hill Limestone Formation	Calcarenite	Not Supplied - Visean
	LFSB	Low Furness Basal Formation	Conglomerate and [Subequal/Subordinate] Sandstone, Interbedded	Not Supplied - Tournaisian
	MTL	Martin Limestone Formation	Limestone	Not Supplied - Tournaisian
	KKB	Kirkley Bank Formation	Mudstone, Calcareous	Not Supplied - Cautleyan
	WB	Waberthwaite Tuff Formation	Lapilli-Tuff	Not Supplied - Caradoc
		Faults		

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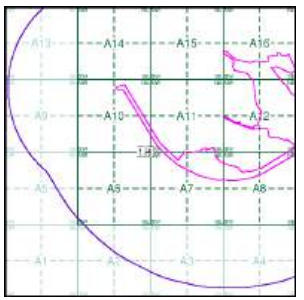
Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	**1**
Map Sheet No:	**048**
Map Name:	**Ulverston**
Map Date:	**1997**
Bedrock Geology:	**Available**
Superficial Geology:	**Not Available**
Artificial Geology:	**Not Available**
Faults:	**Not Supplied**
Landslip:	**Not Available**
Rock Segments:	**Not Supplied**

Geology 1:50,000 Maps - Slice A



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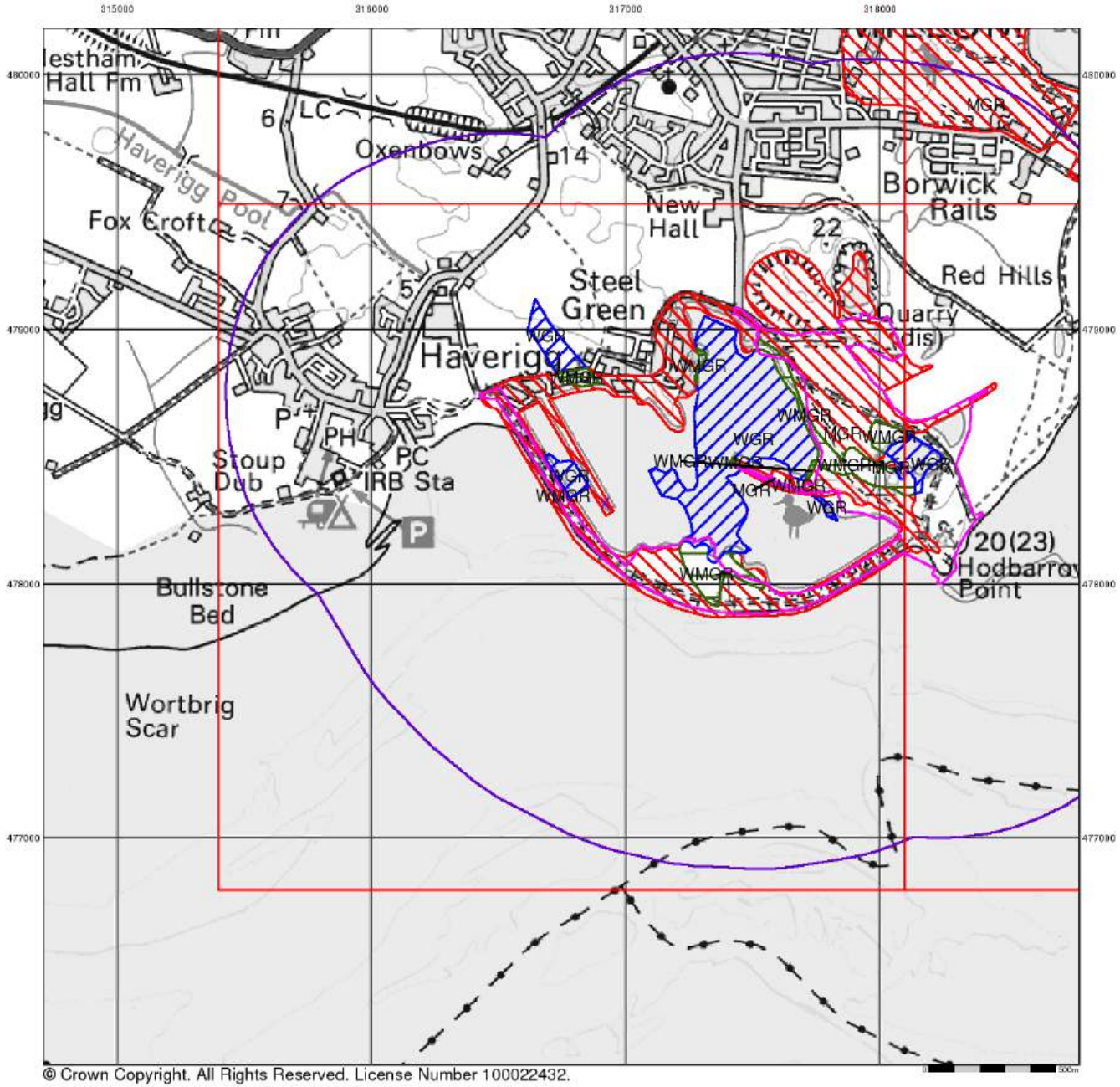

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Artificial Ground and Landslip

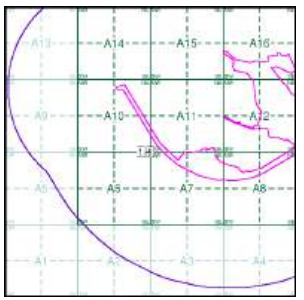
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



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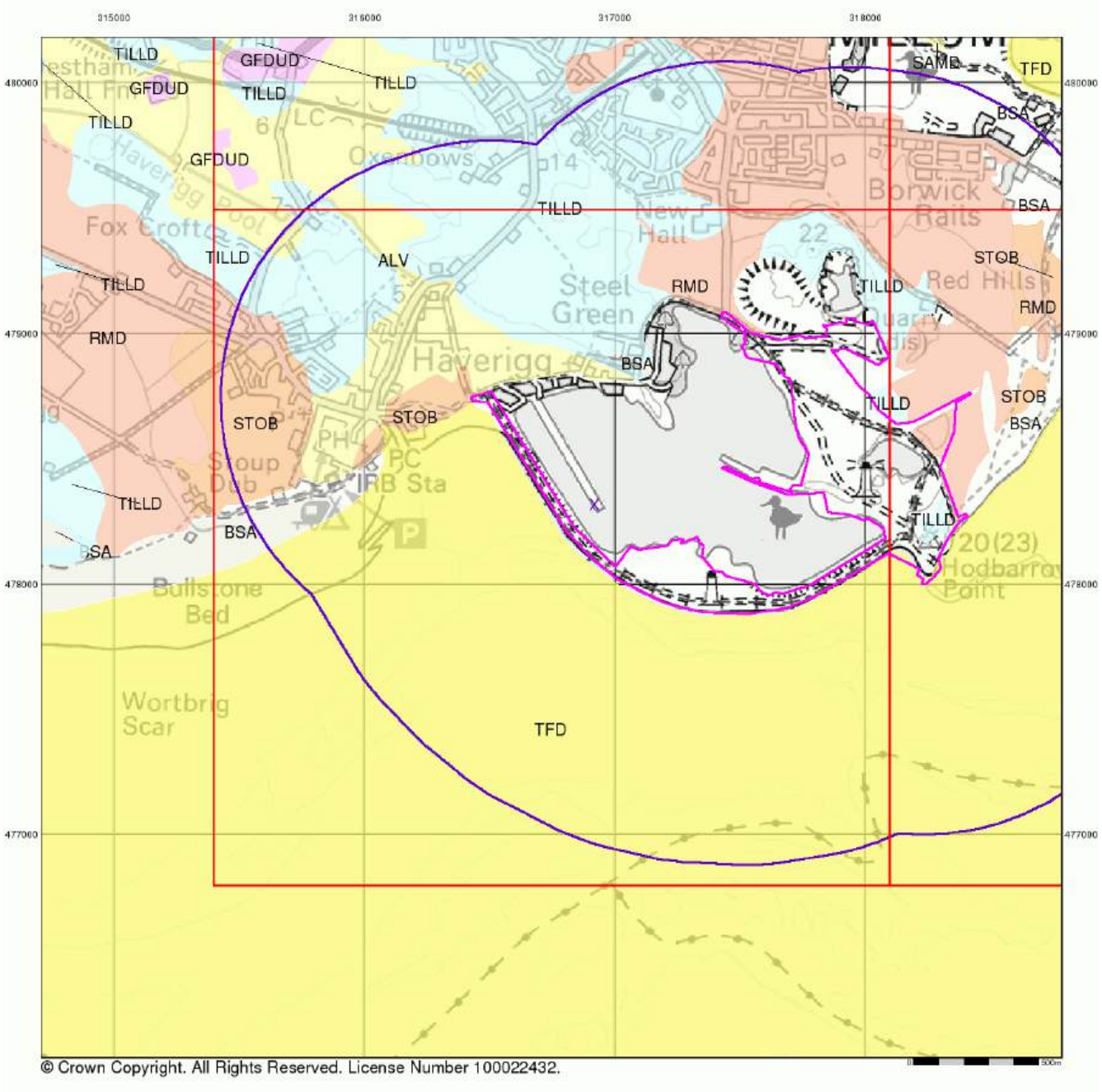


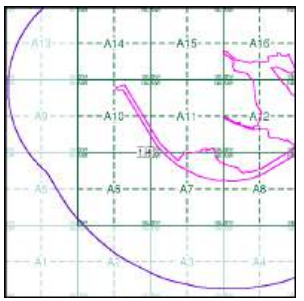
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



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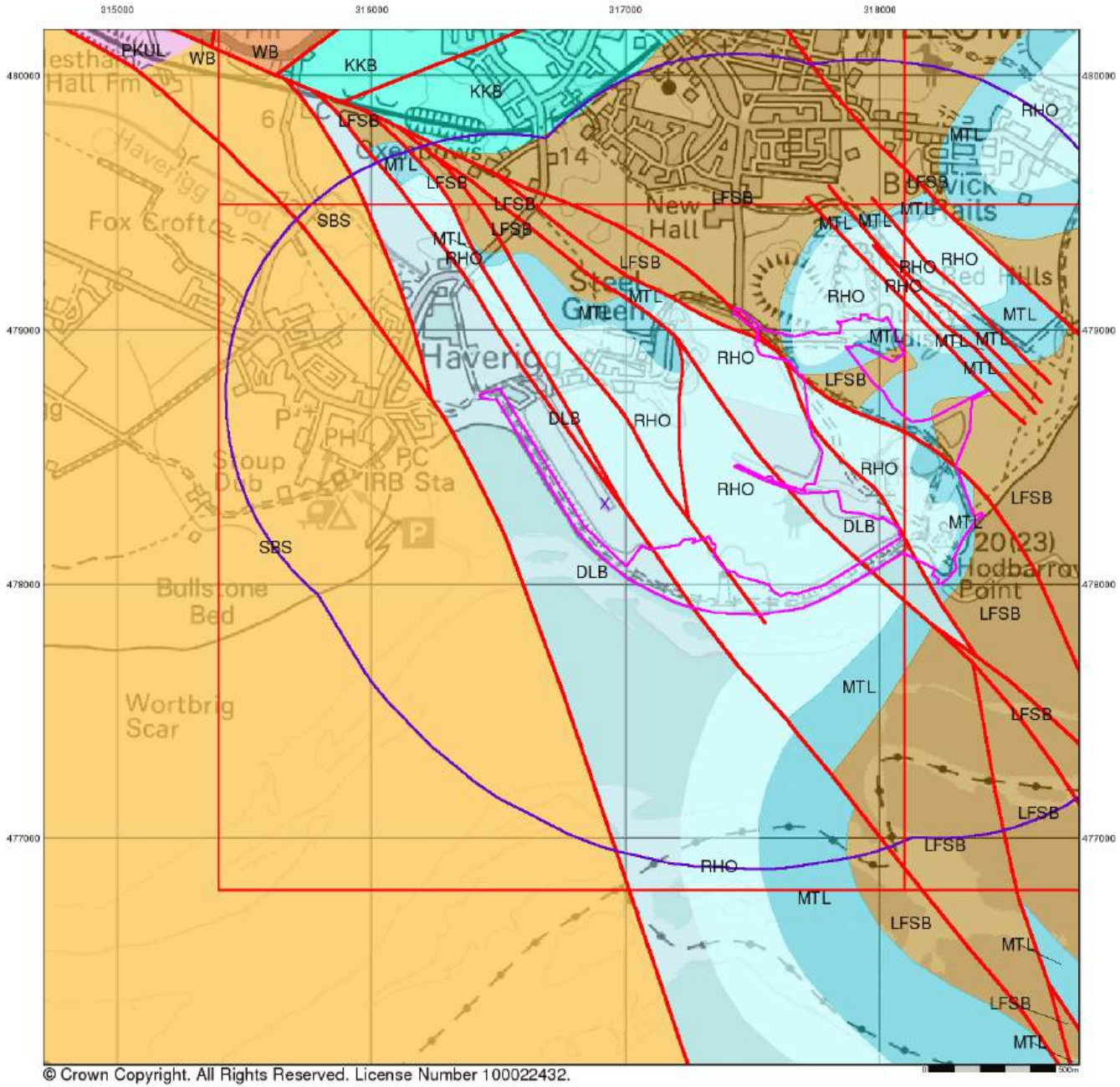


curtins

Bedrock and Faults

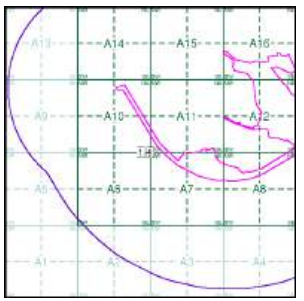
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



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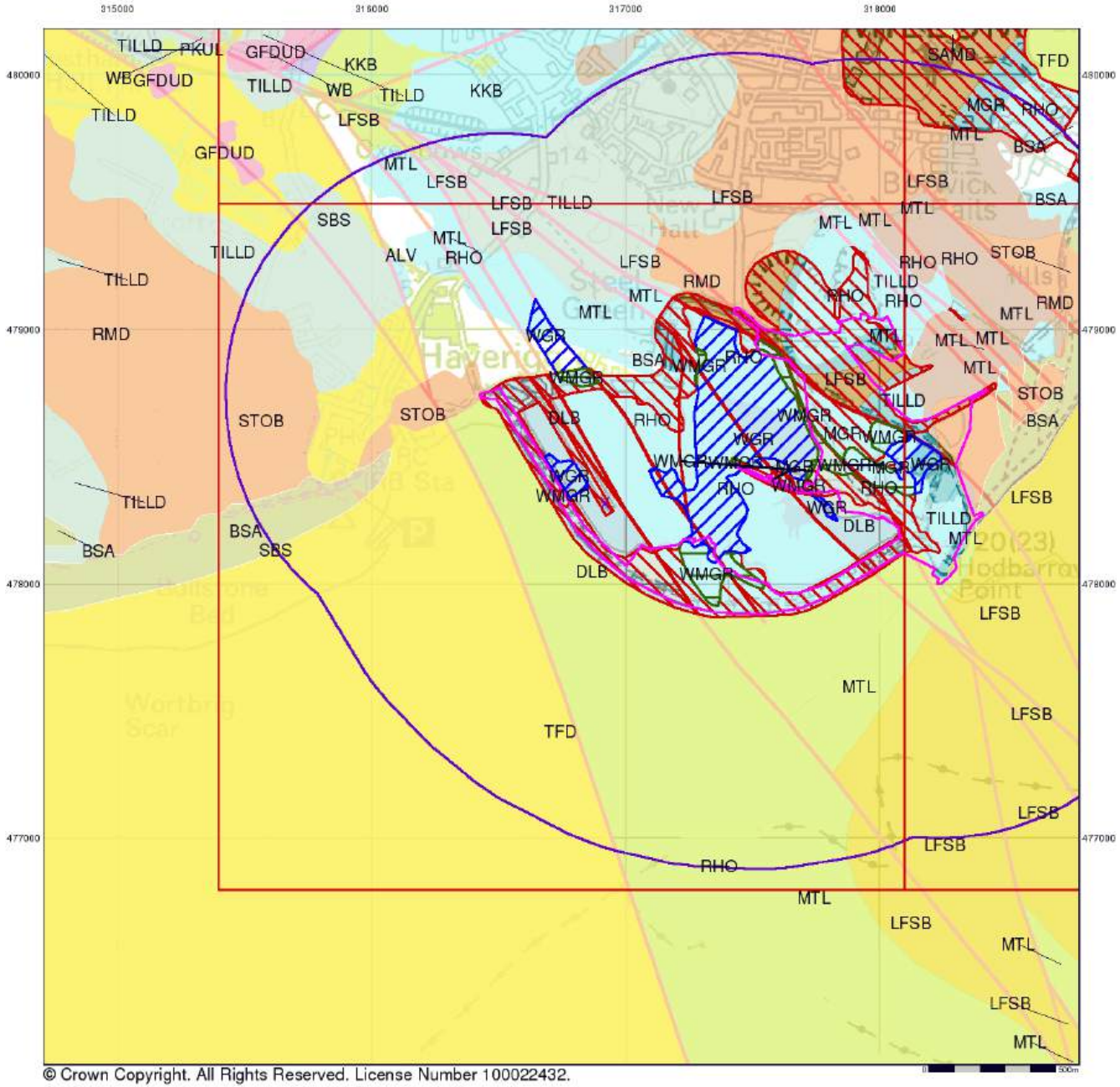


Combined Surface Geology

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

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

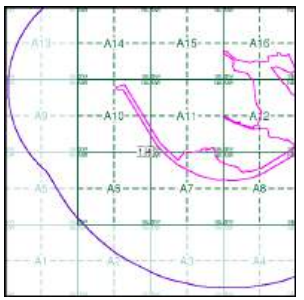
Additional Information

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

Contact

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

Combined Geology Map - Slice A



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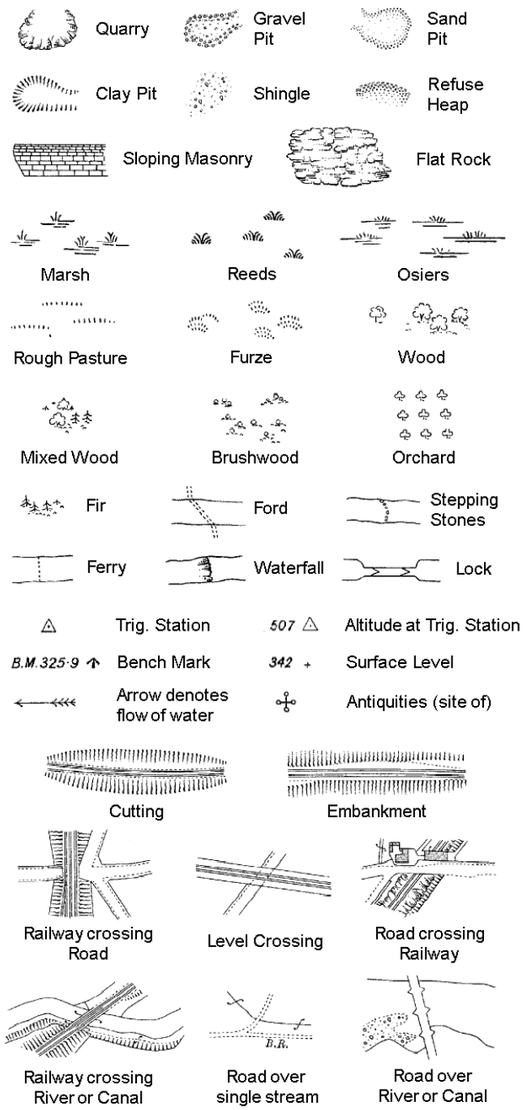
Site Details:

The Gin Mill, Steel Green, MILLOM, LA18 4LG

Historical Mapping Legends

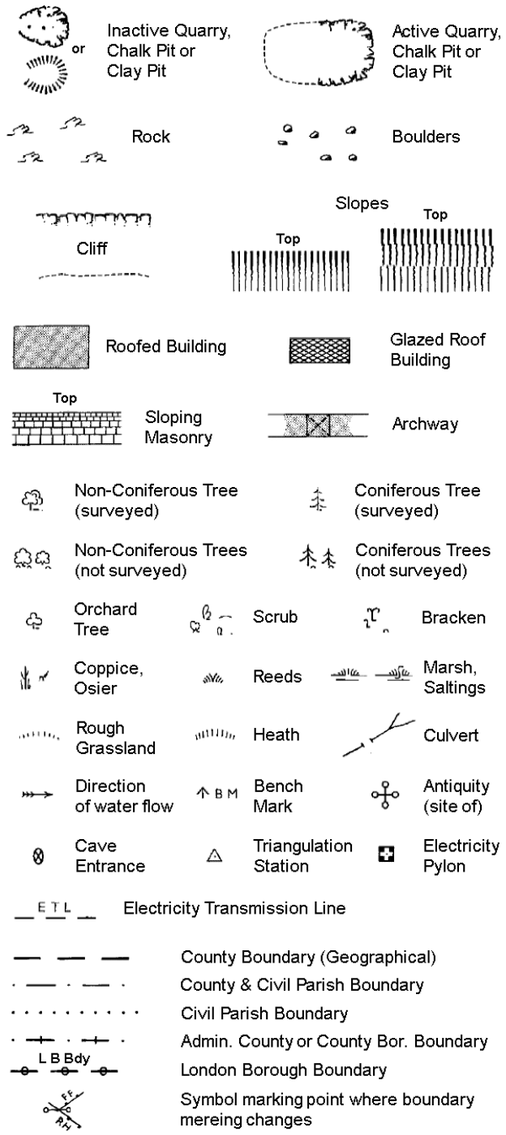
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

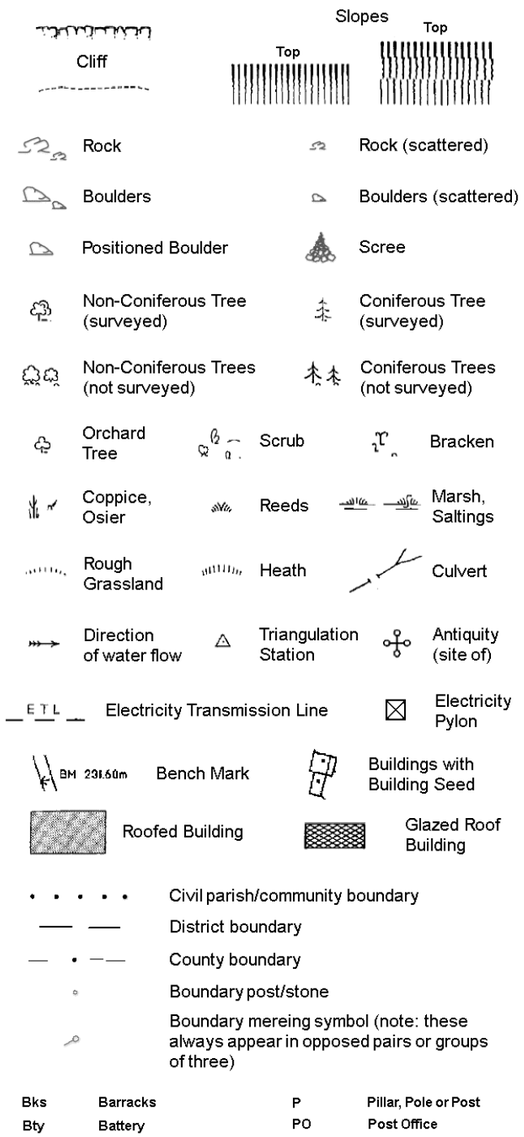
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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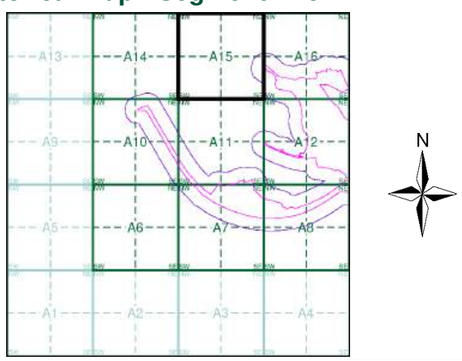
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cumberland	1:2,500	1862	2
Cumberland	1:2,500	1899	3
Cumberland	1:2,500	1924	4
Ordnance Survey Plan	1:2,500	1969	5
Additional SIMs	1:2,500	1978 - 1987	6
Additional SIMs	1:2,500	1987 - 1989	7
Additional SIMs	1:2,500	1989	8
Ordnance Survey Plan	1:2,500	1991	9
Large-Scale National Grid Data	1:2,500	1994	10
Large-Scale National Grid Data	1:2,500	1996	11
Historical Aerial Photography	1:2,500	2000	12

Historical Map - Segment A15



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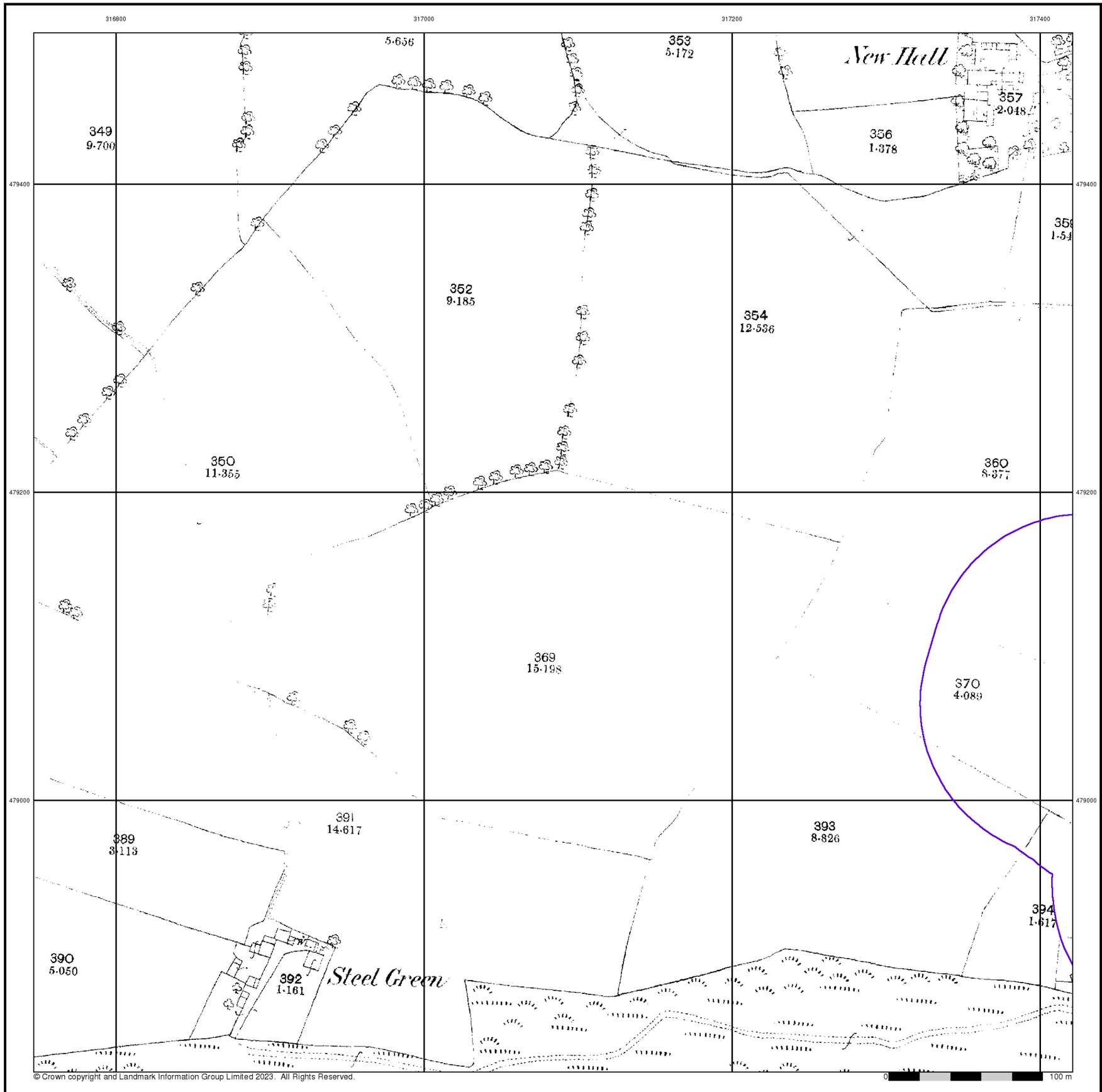

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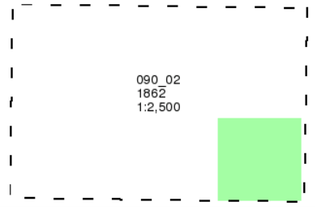
Cumberland

Published 1862

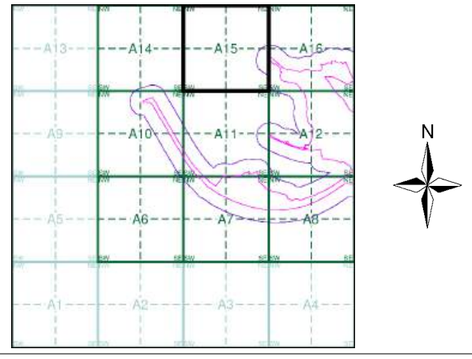
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A15



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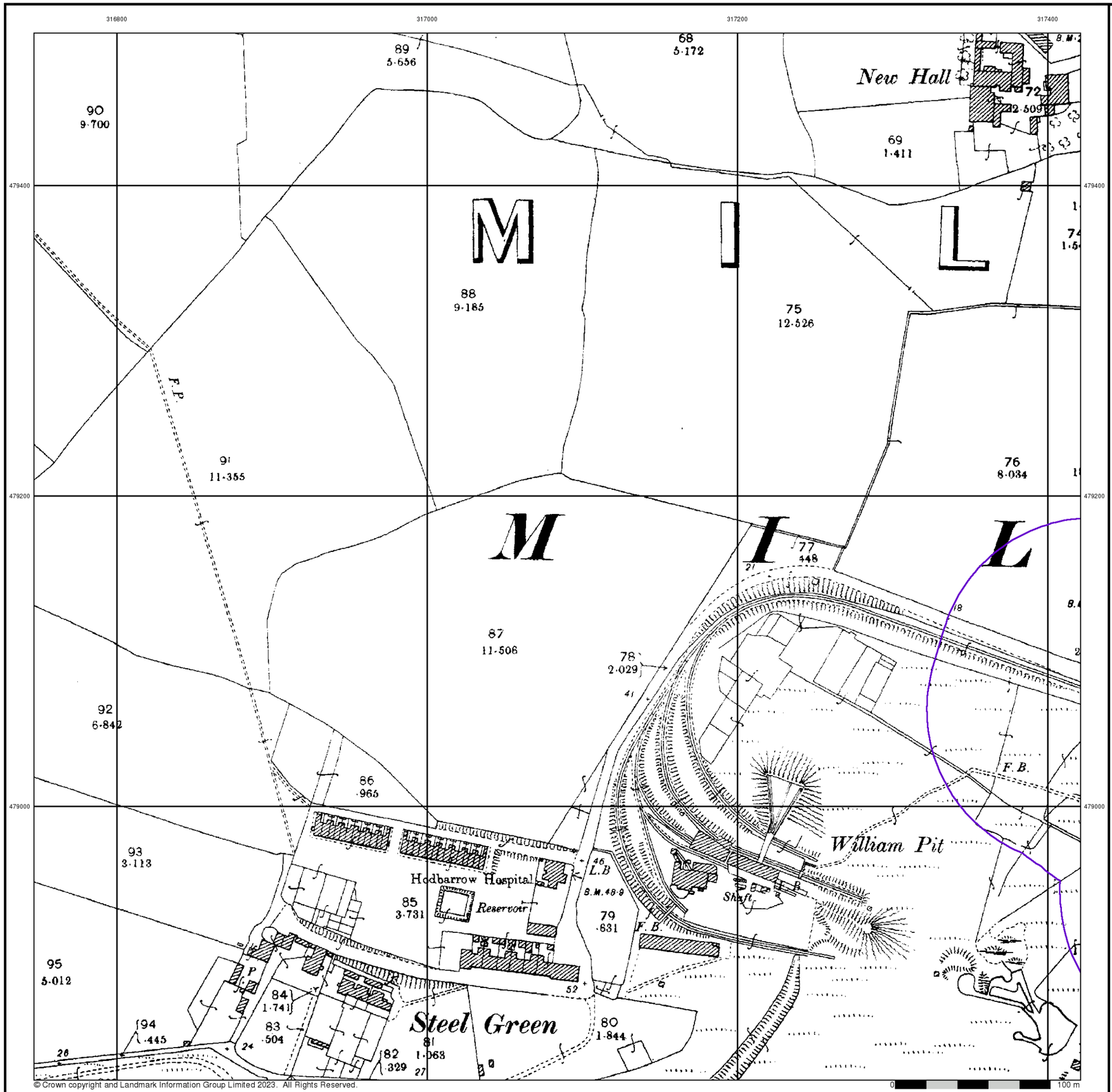

curtins

Cumberland

Published 1899

Source map scale - 1:2,500

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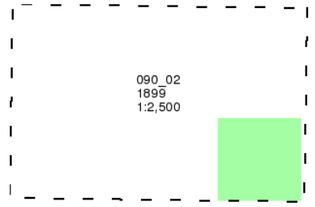
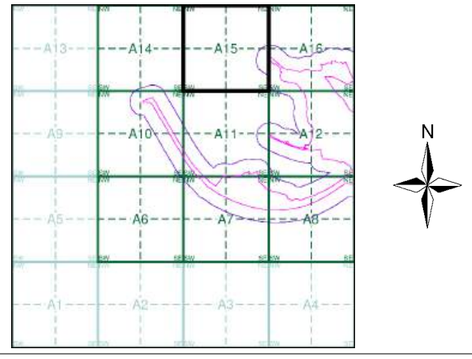


Historical Map - Segment A15



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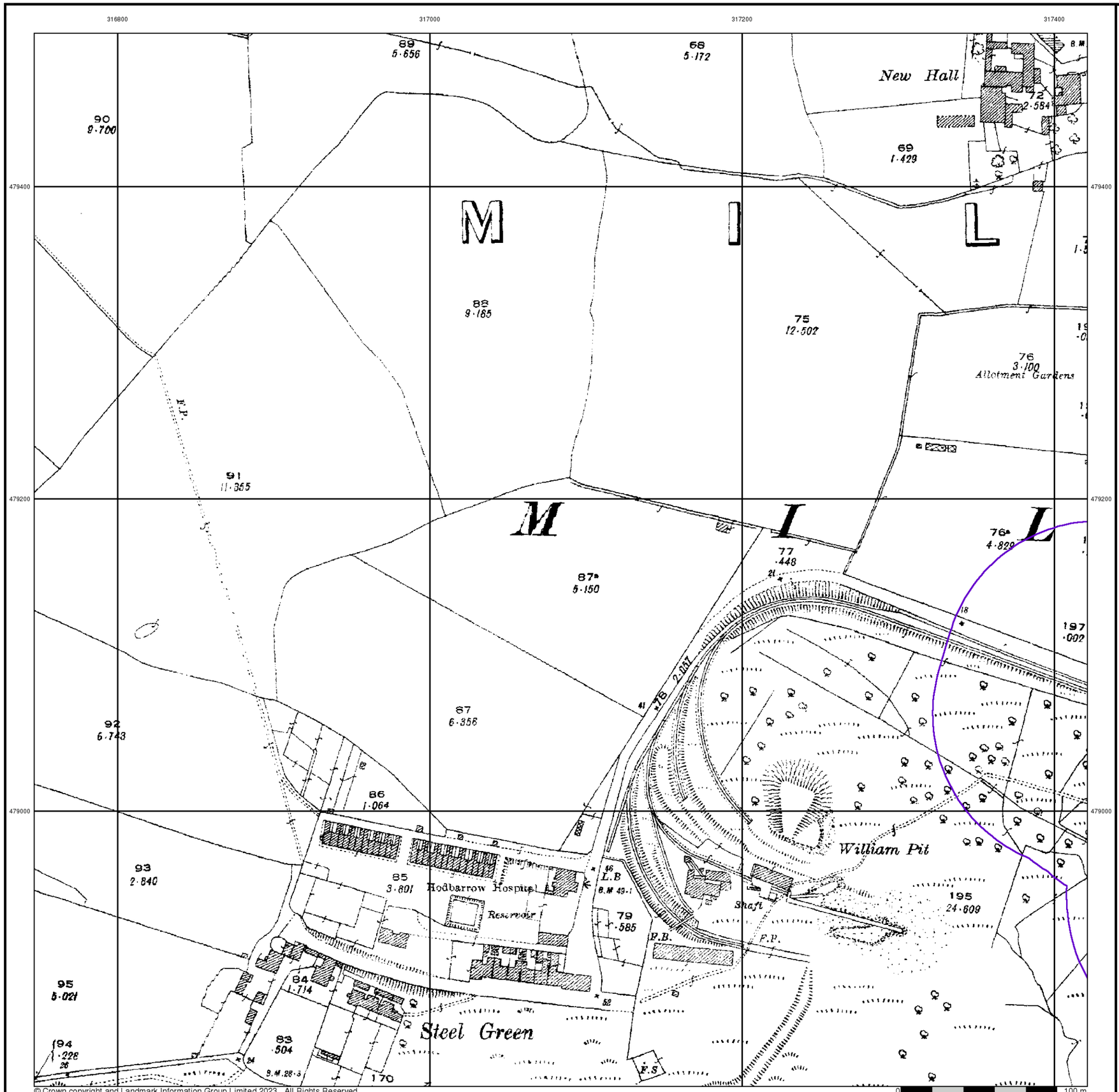


curtins

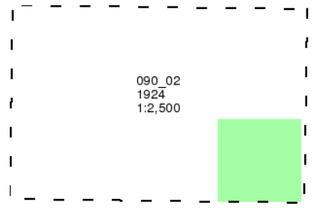
Cumberland

Published 1924

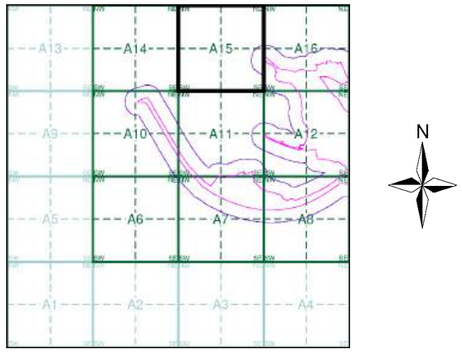
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A15



Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

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

curtins

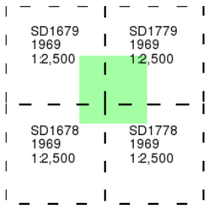
Ordnance Survey Plan

Published 1969

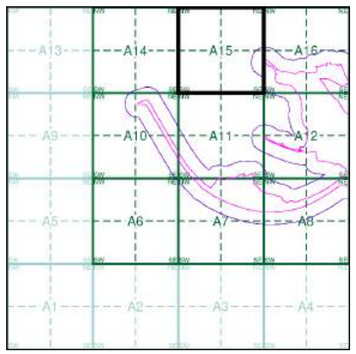
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A15



Order Details

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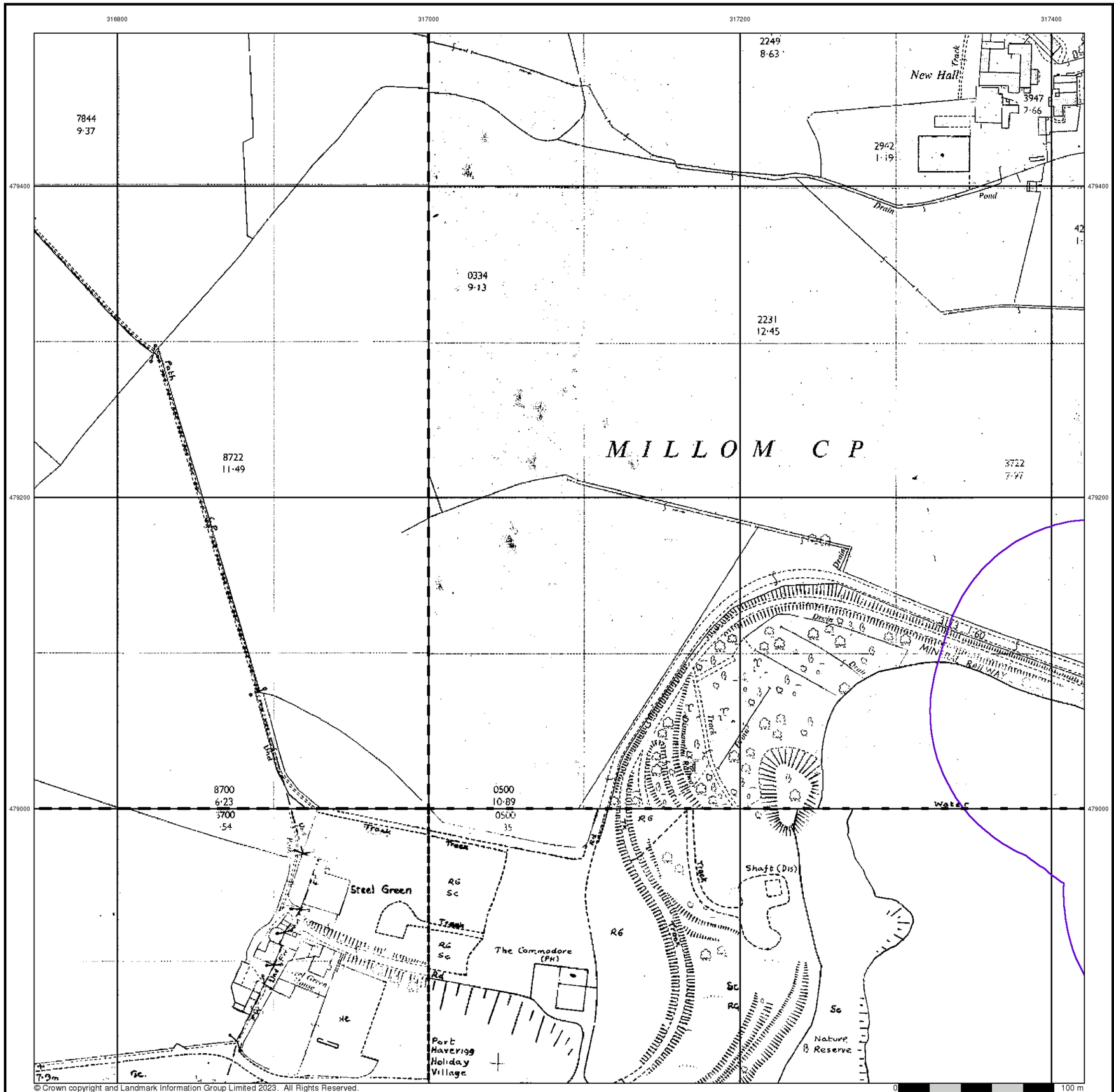


curtins

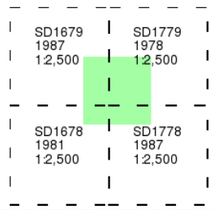
Additional SIMs

Published 1978 - 1987

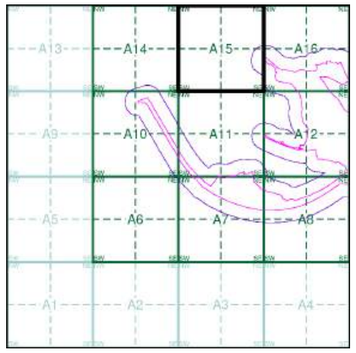
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A15



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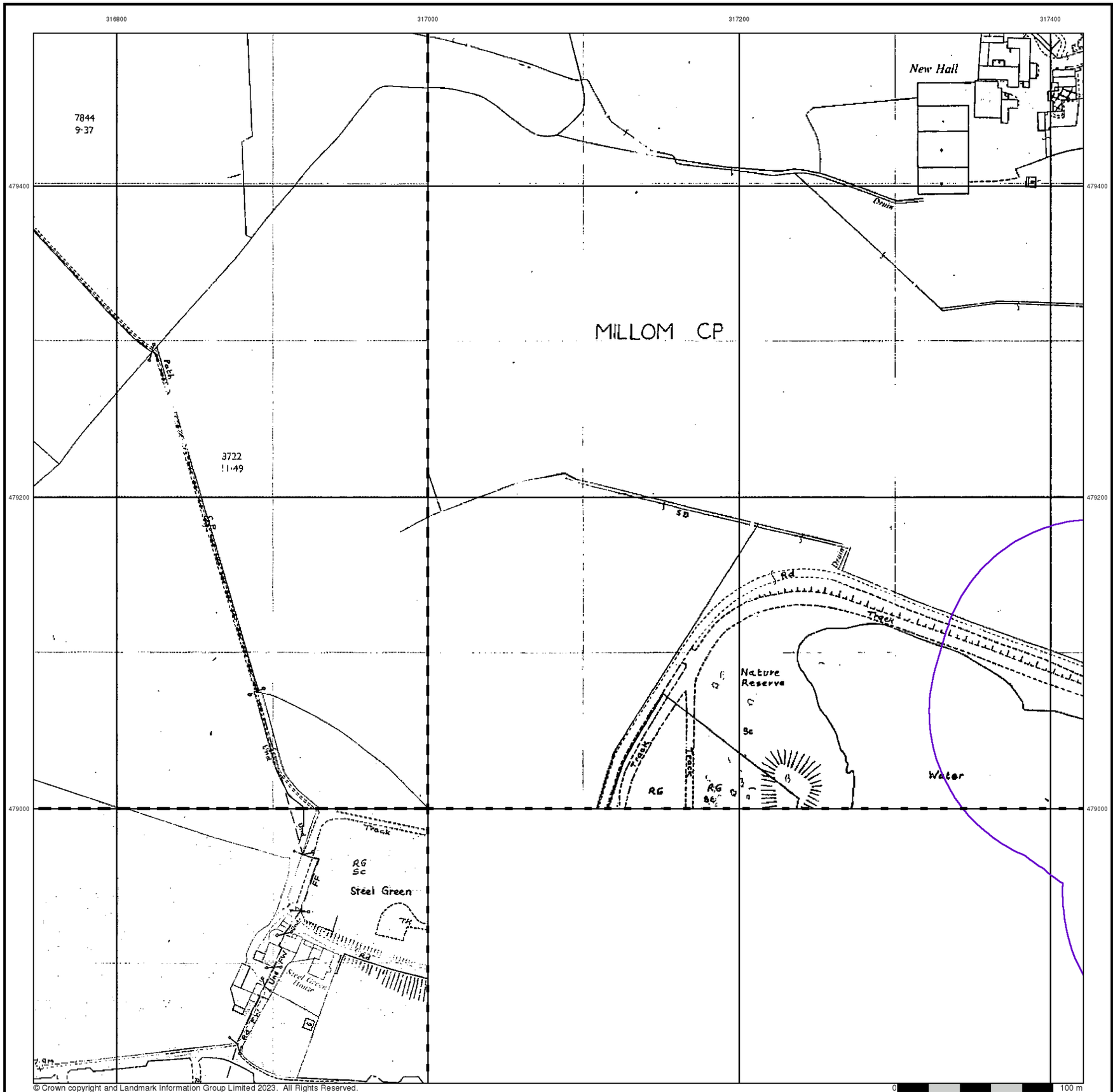

Additional SIMs

Published 1987 - 1989

Source map scale - 1:2,500

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

Map Name(s) and Date(s)

Historical Map - Segment A15

Order Details

Order Number:	307697430_1_1
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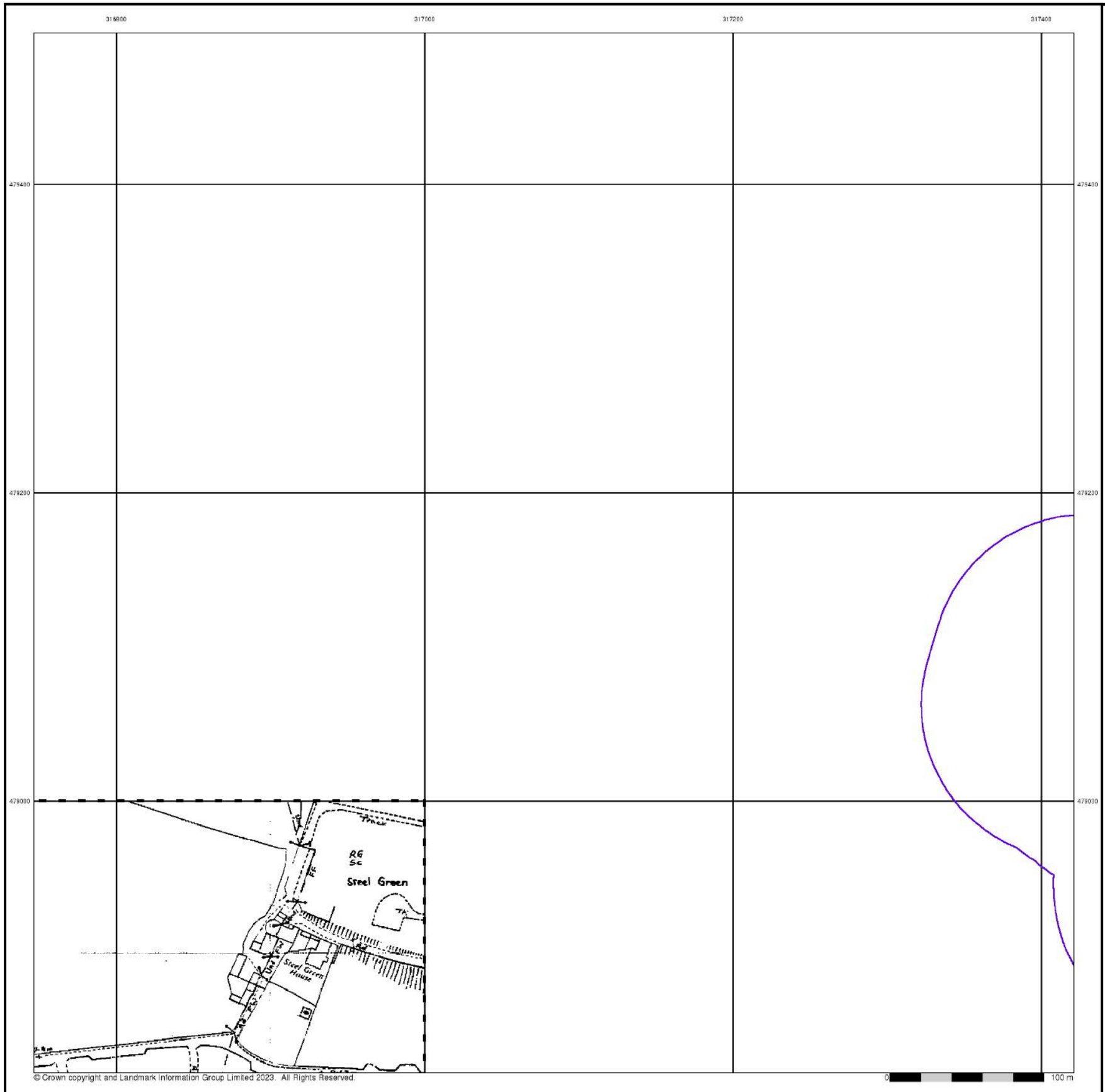


curtins

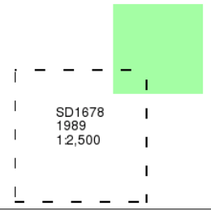
Additional SIMs

Published 1989

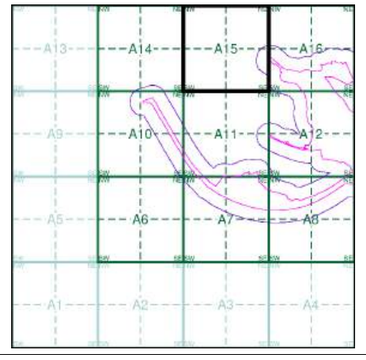
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A15



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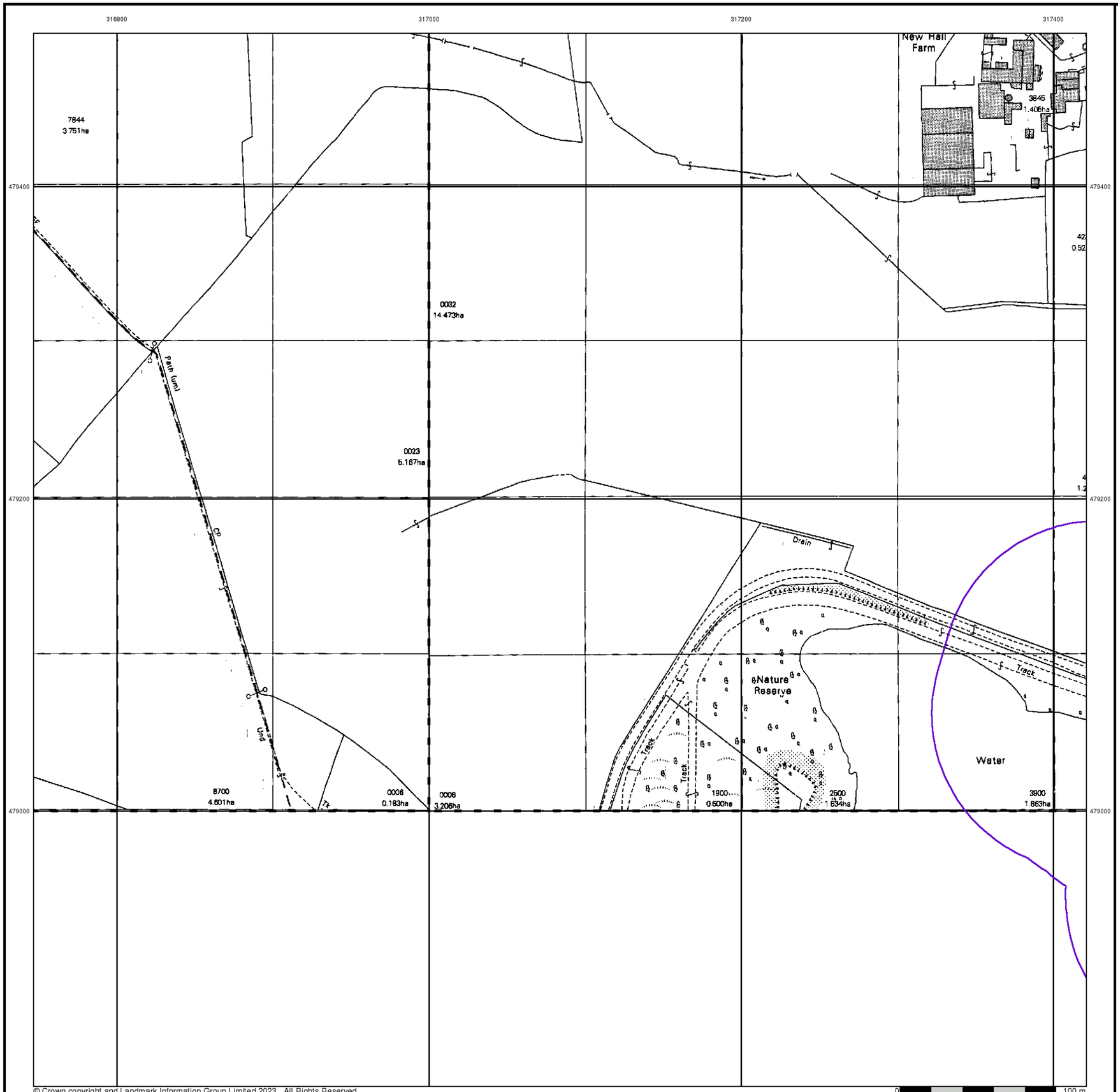


curtins

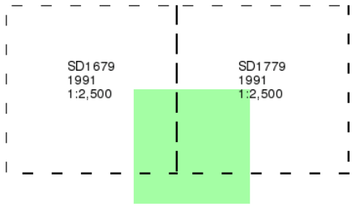
Ordnance Survey Plan

Published 1991

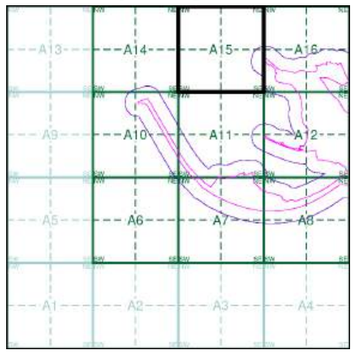
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A15



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curtins

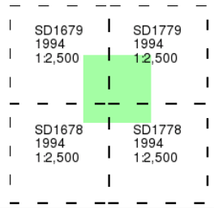
Large-Scale National Grid Data

Published 1994

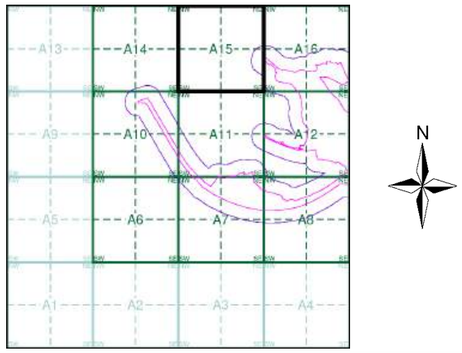
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A15



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curtins

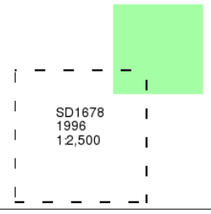
Large-Scale National Grid Data

Published 1996

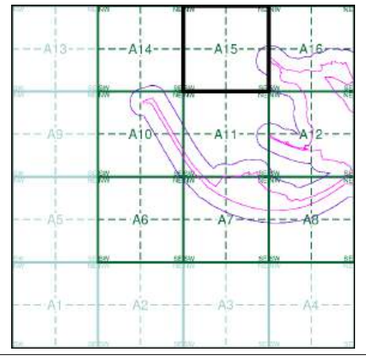
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A15



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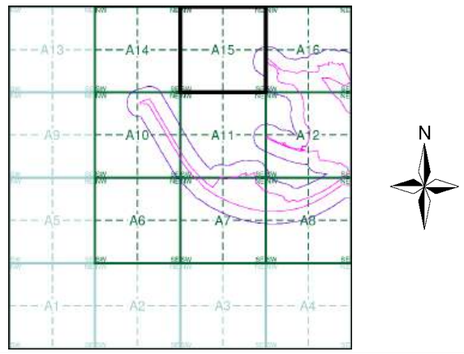
Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A15



Order Details

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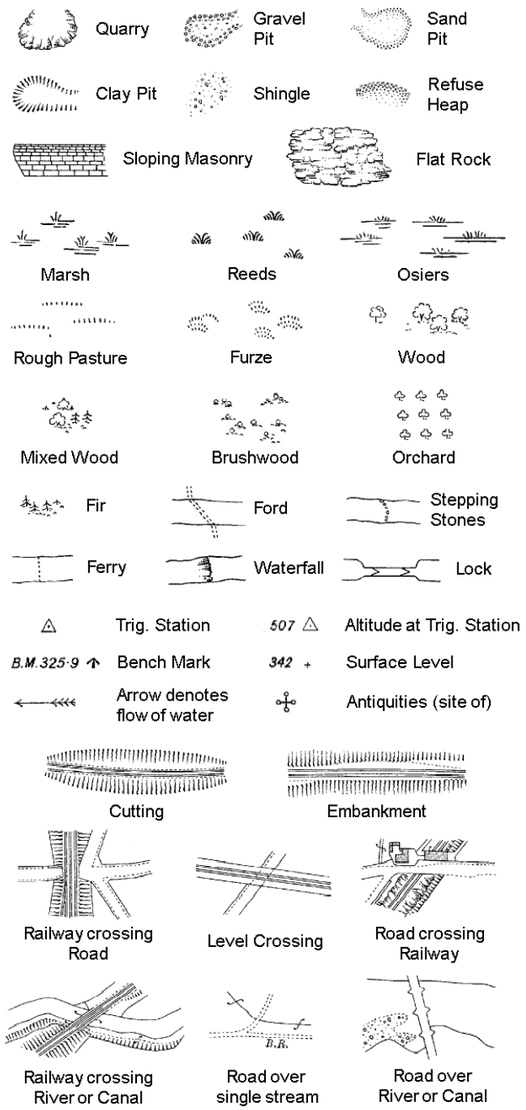
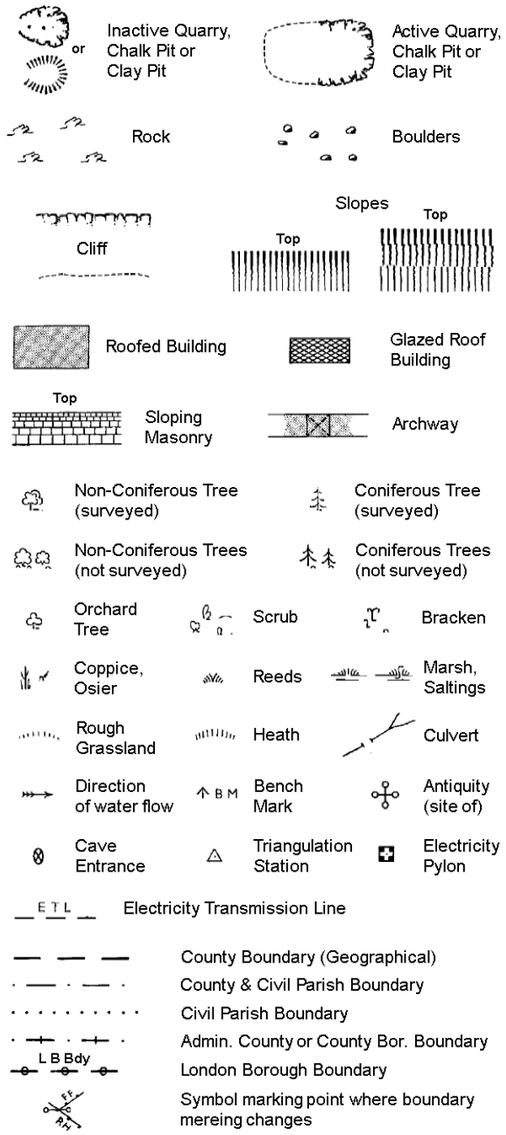
Historical Mapping Legends

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



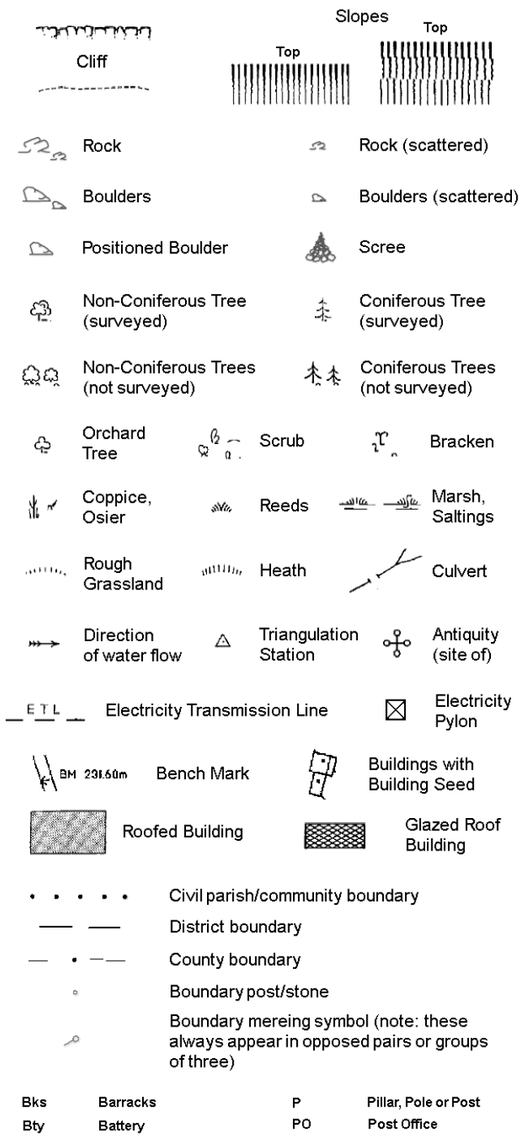
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



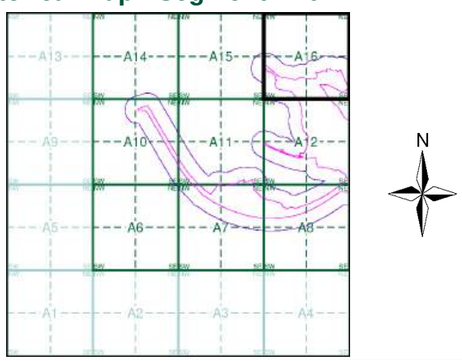
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

curtins

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cumberland	1:2,500	1862	2
Lancashire And Furness	1:2,500	1891	3
Cumberland	1:2,500	1899	4
Lancashire And Furness	1:2,500	1913	5
Cumberland	1:2,500	1924	6
Ordnance Survey Plan	1:2,500	1969	7
Additional SIMs	1:2,500	1978 - 1987	8
Additional SIMs	1:2,500	1987 - 1990	9
Ordnance Survey Plan	1:2,500	1991	10
Large-Scale National Grid Data	1:2,500	1994	11
Historical Aerial Photography	1:2,500	2000	12

Historical Map - Segment A16



Order Details

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Site Area (Ha): 57.66
Search Buffer (m): 100

Site Details

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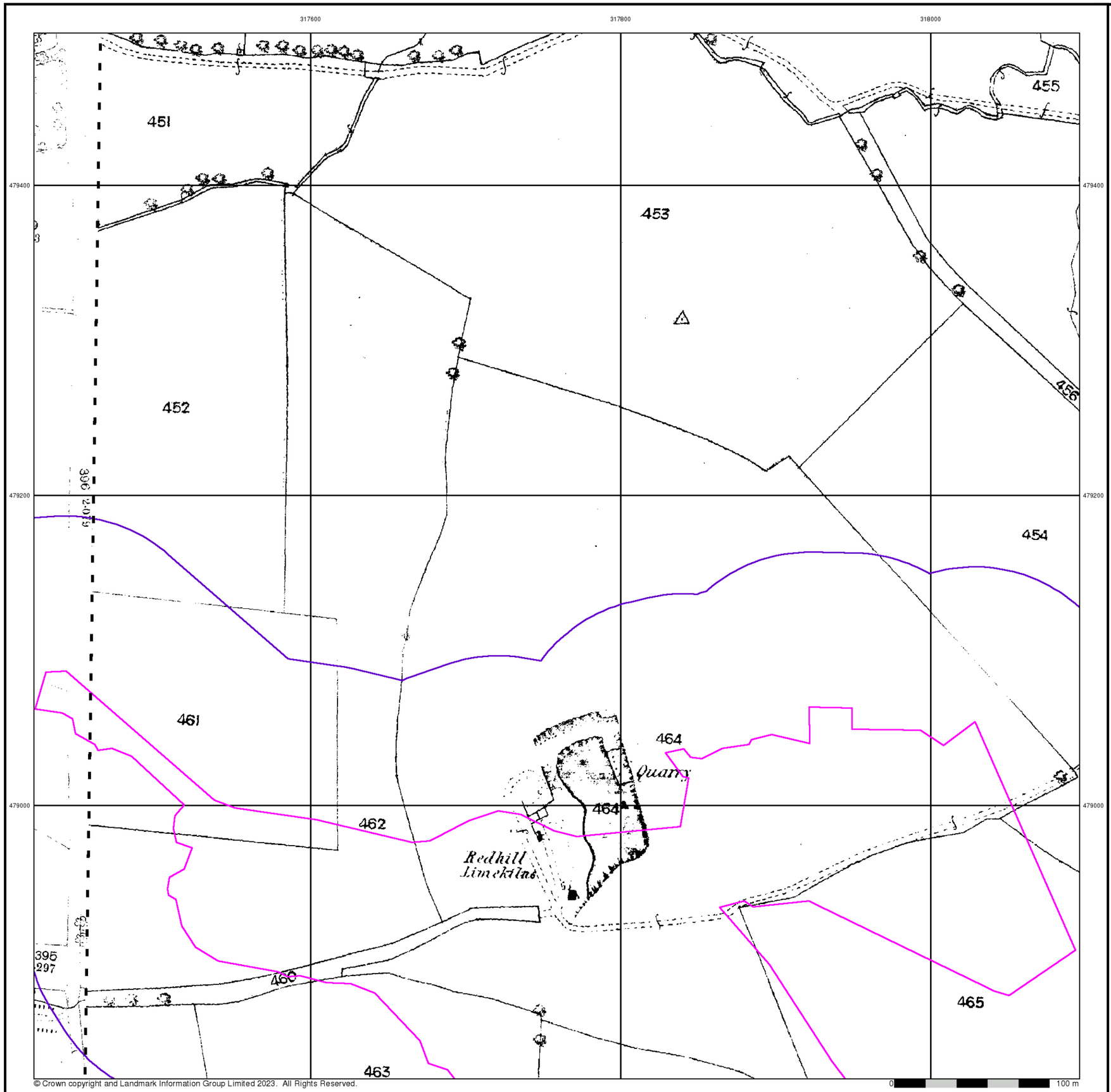


curtins

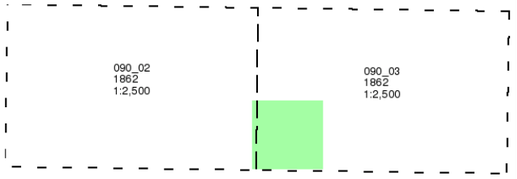
Cumberland

Published 1862

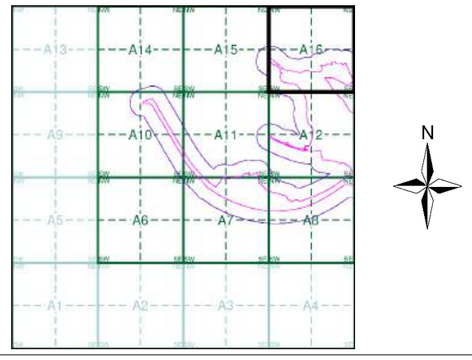
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A16



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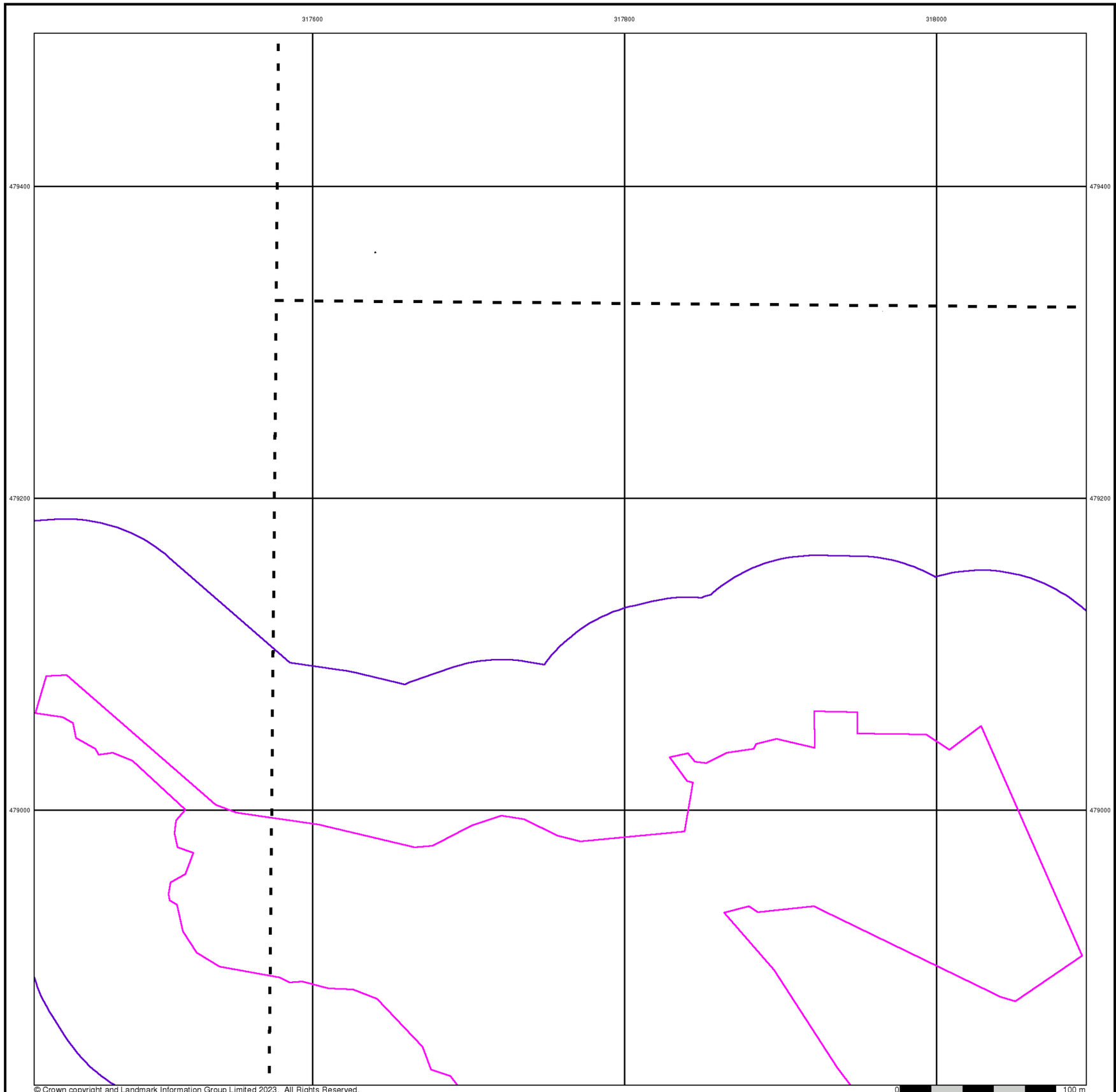

curtins

Lancashire And Furness

Published 1891

Source map scale - 1:2,500

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

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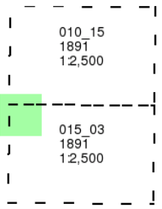
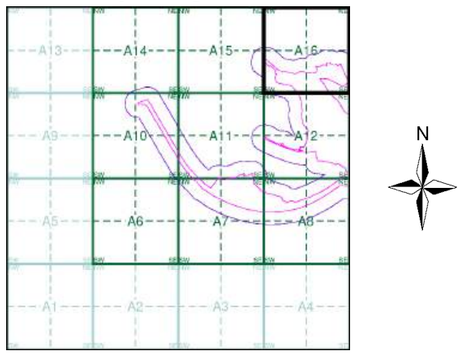


Historical Map - Segment A16



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Site Details

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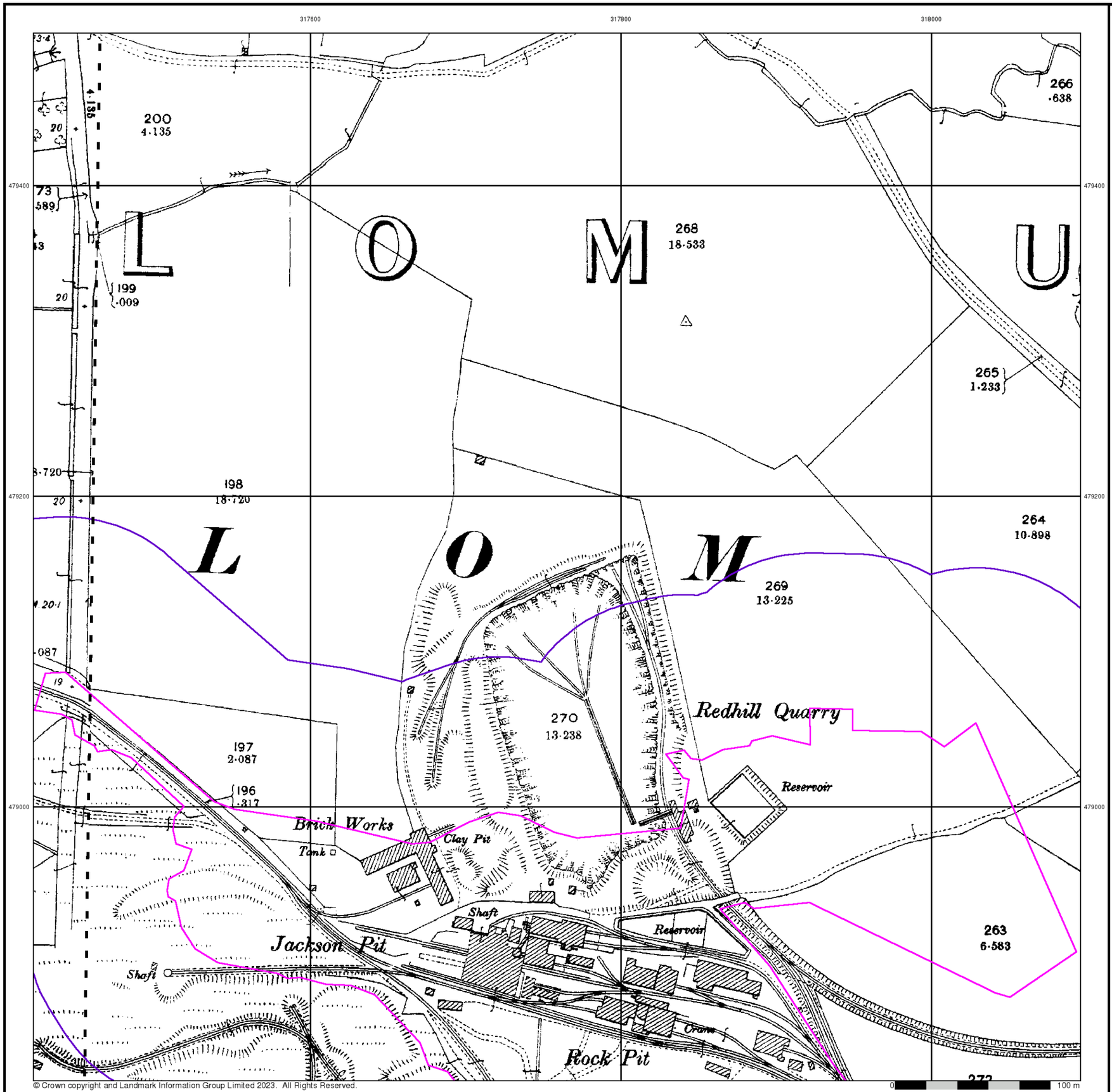


curtins

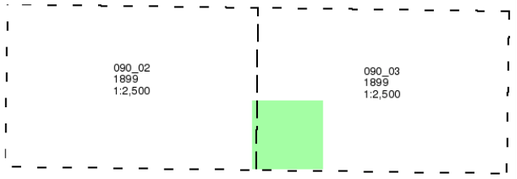
Cumberland

Published 1899

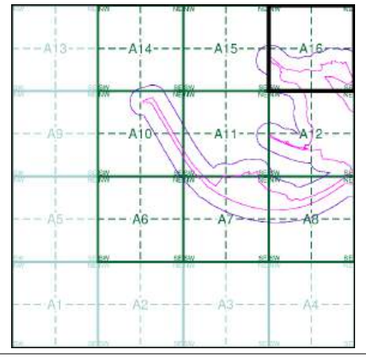
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A16



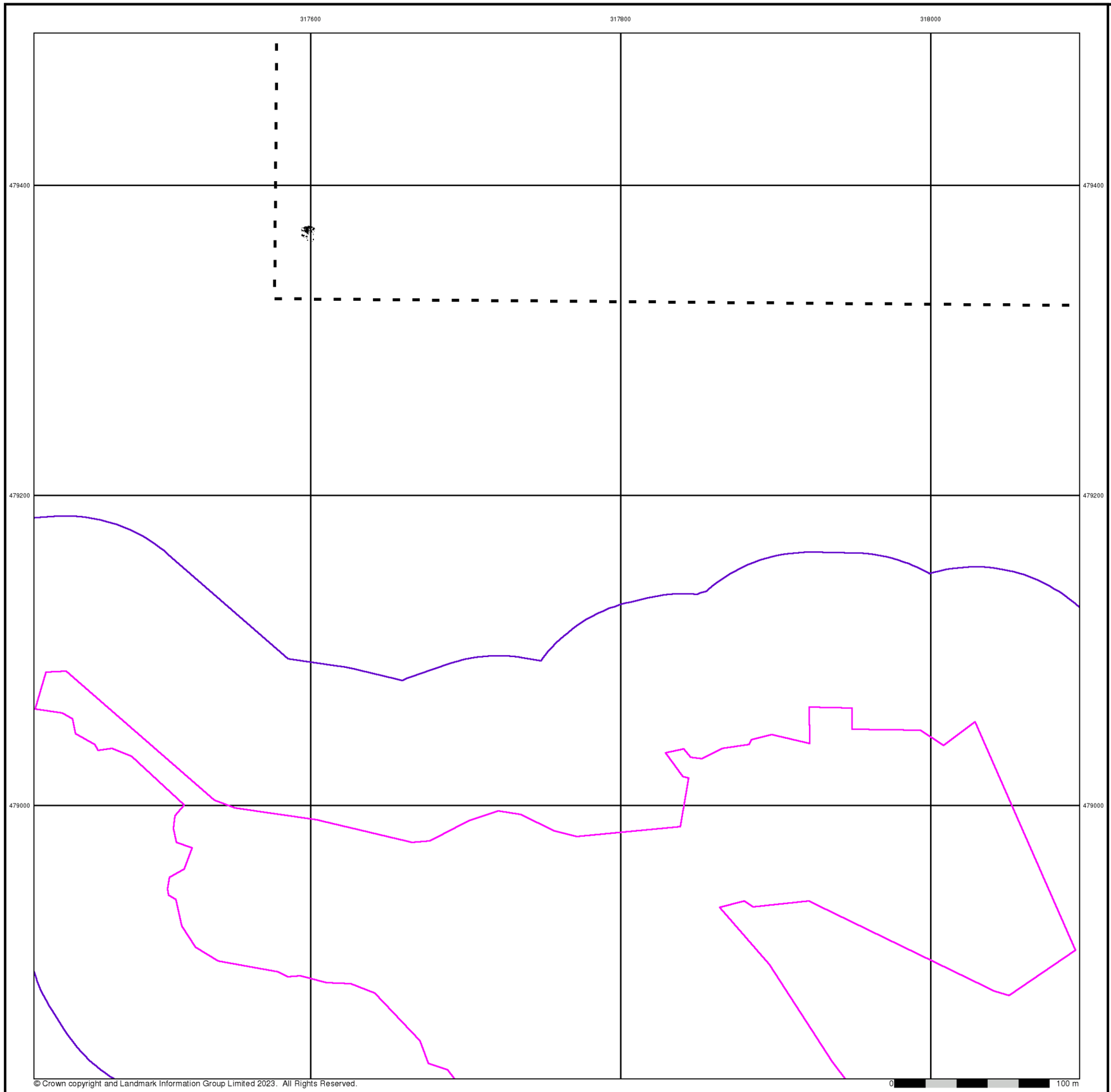
Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

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



curtins

Lancashire And Furness

Published 1913

Source map scale - 1:2,500

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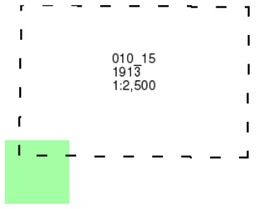
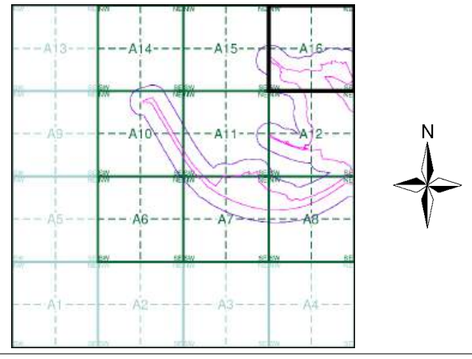


Historical Map - Segment A16



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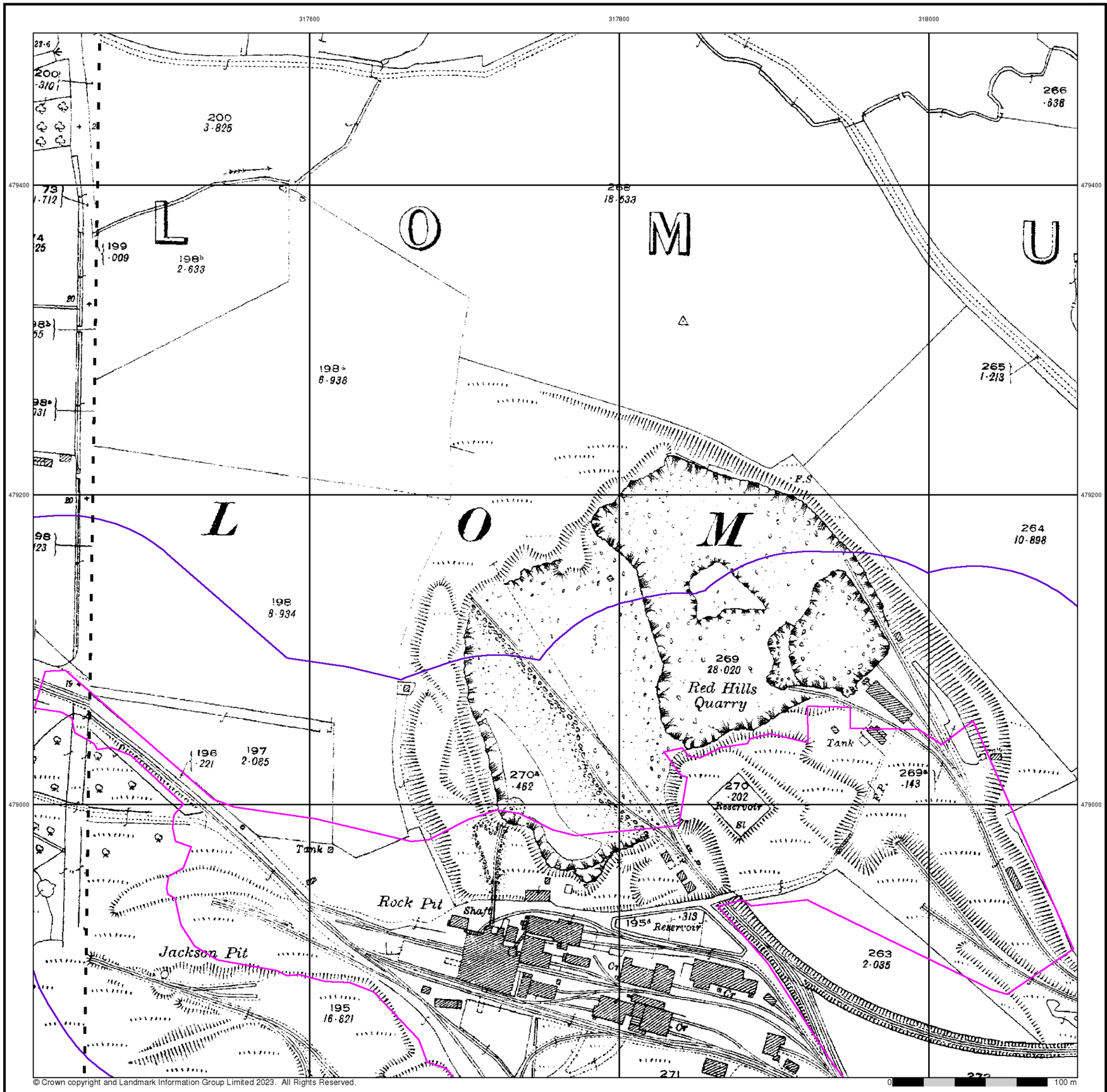

curtins

Cumberland

Published 1924

Source map scale - 1:2,500

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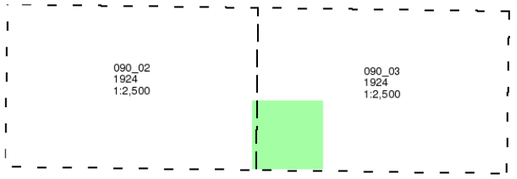
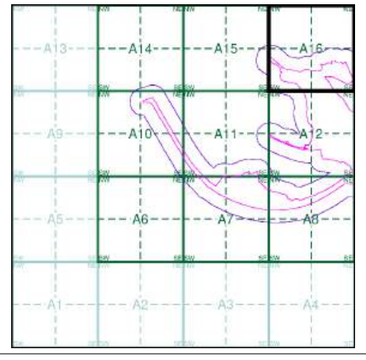


Historical Map - Segment A16



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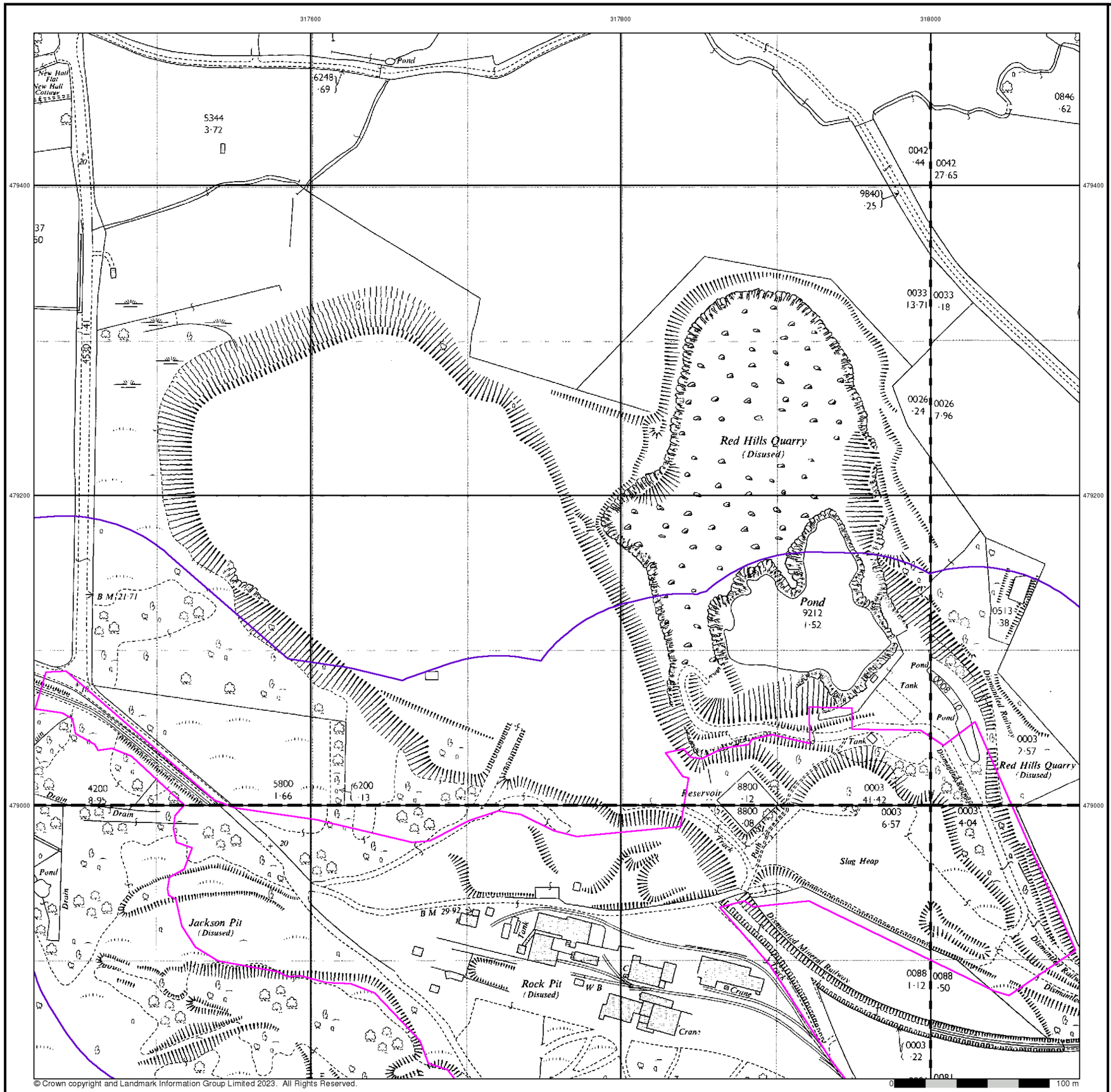

curtins

Ordnance Survey Plan

Published 1969

Source map scale - 1:2,500

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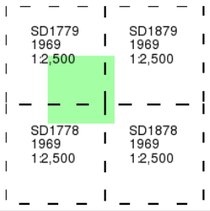
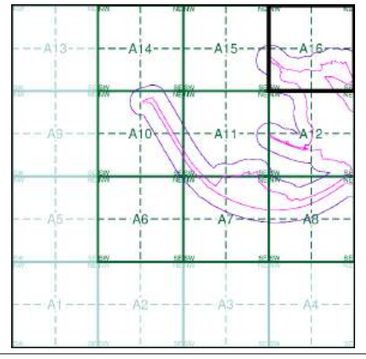


Historical Map - Segment A16



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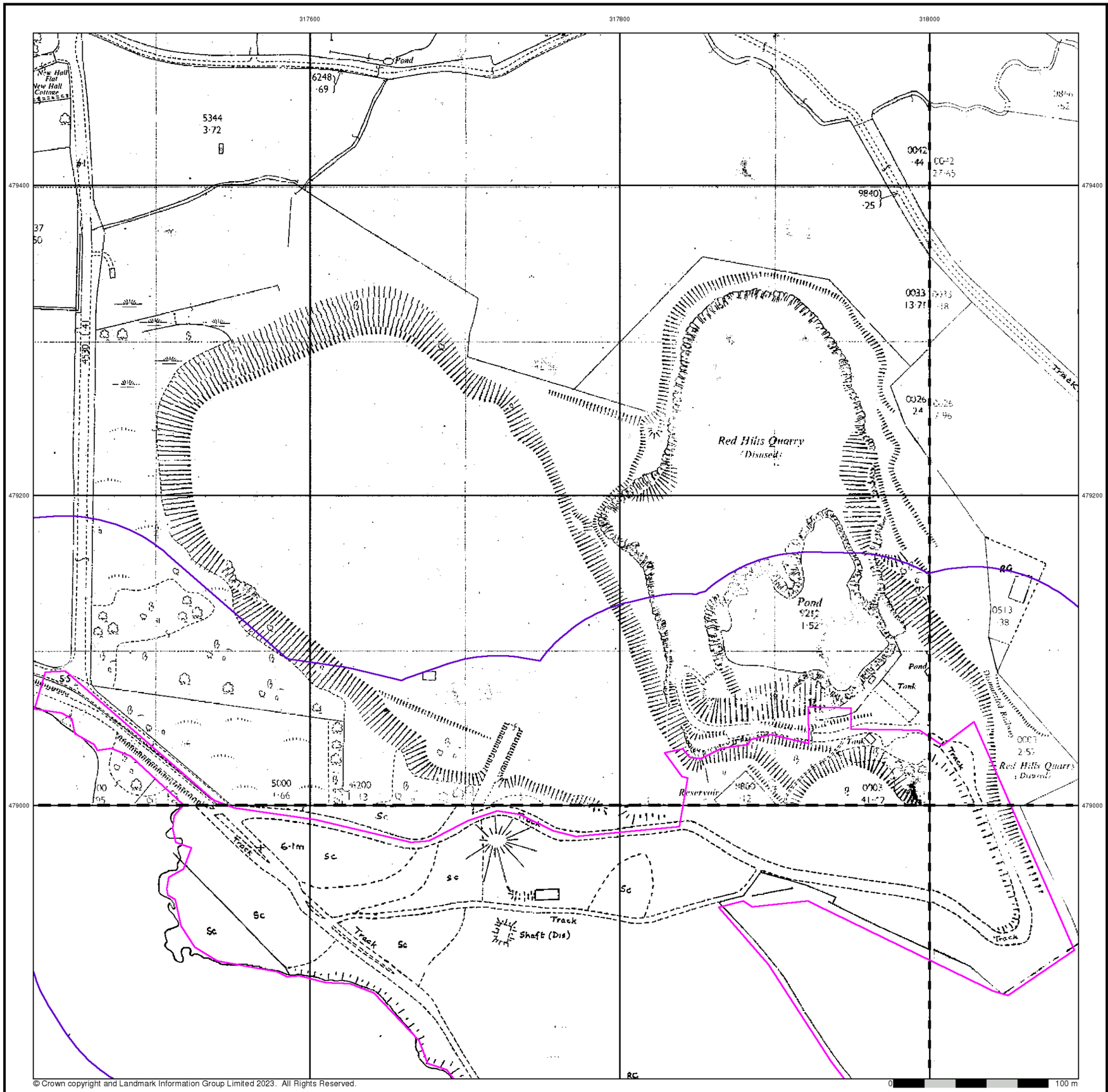


curtins

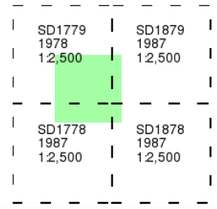
Additional SIMs

Published 1978 - 1987

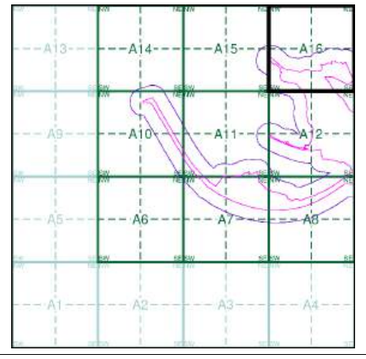
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A16



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curtins

Additional SIMs

Published 1987 - 1990

Source map scale - 1:2,500

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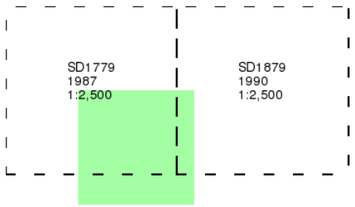
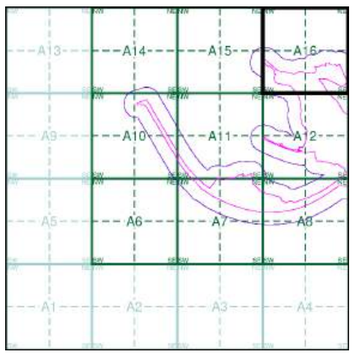


Historical Map - Segment A16



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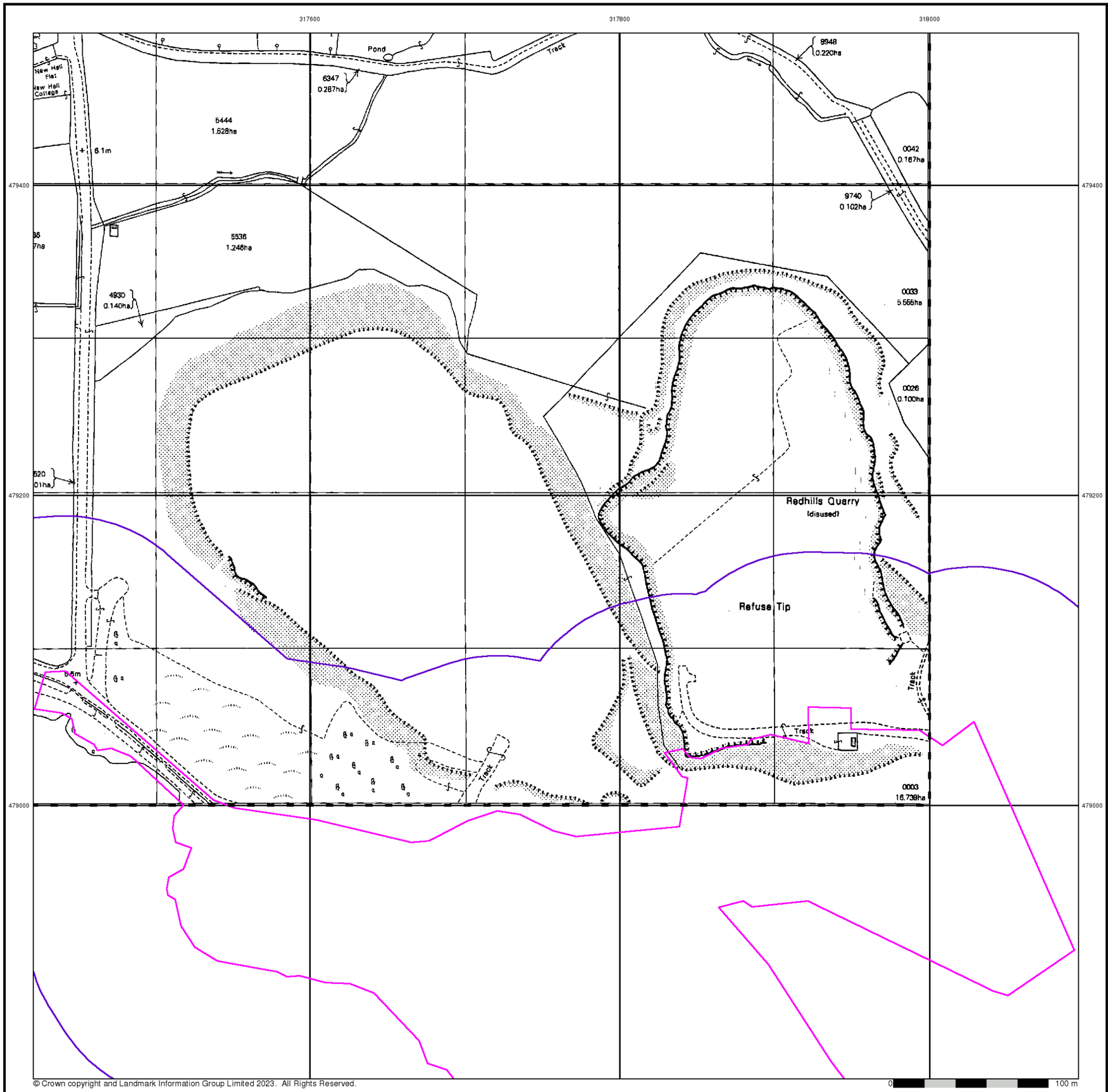


curtins

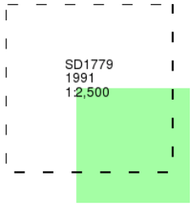
Ordnance Survey Plan

Published 1991

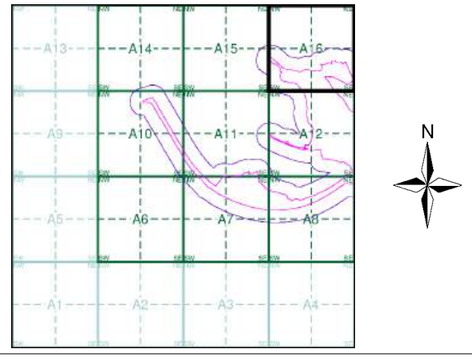
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A16



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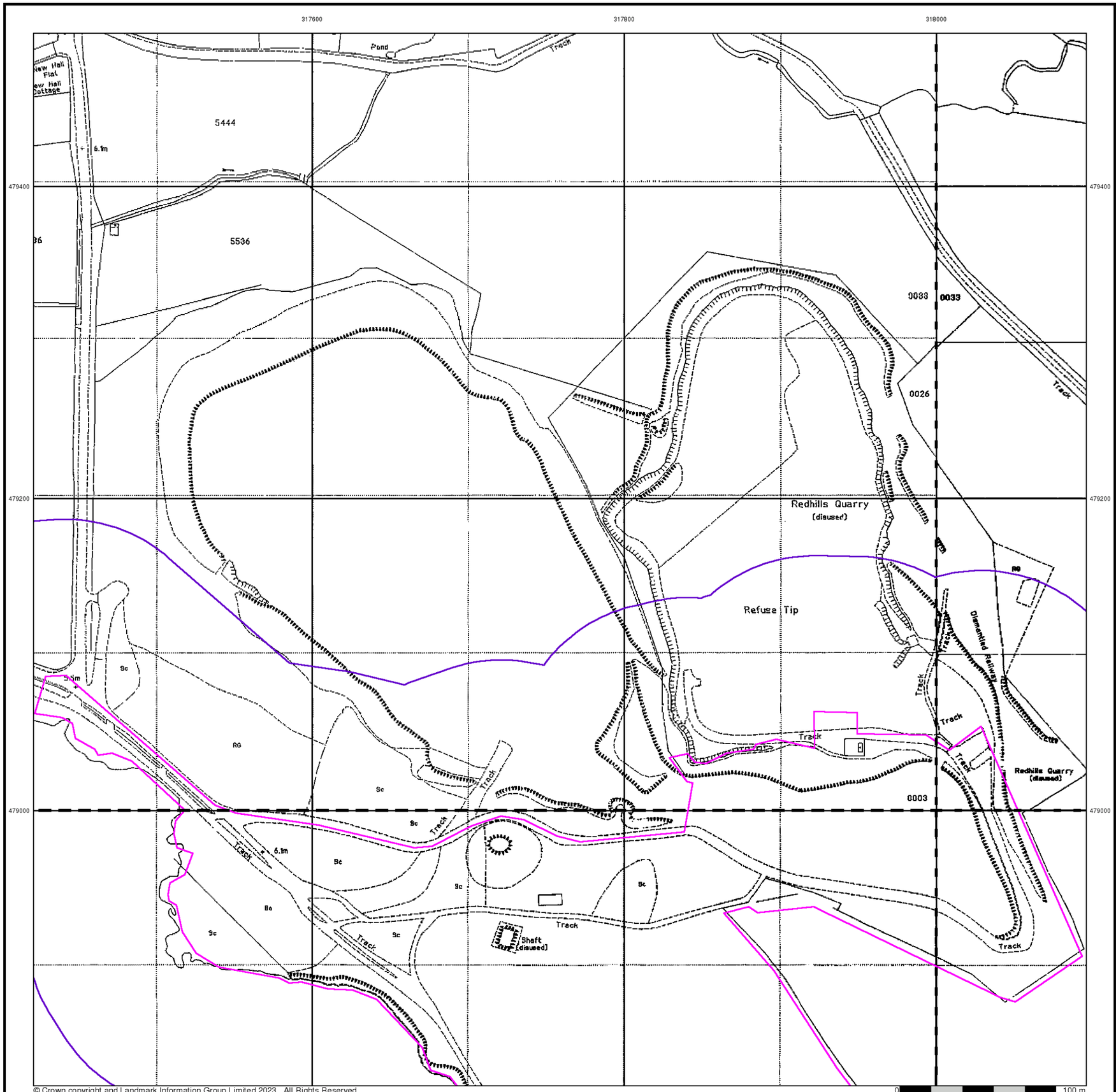


curtins

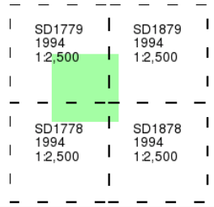
Large-Scale National Grid Data

Published 1994

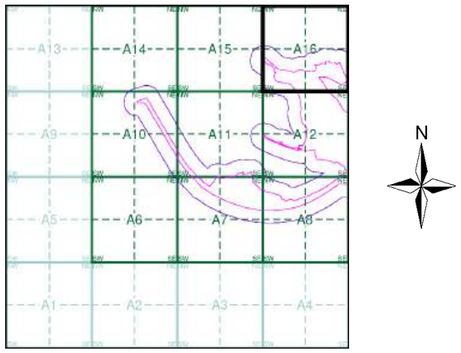
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A16



Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	100

Site Details

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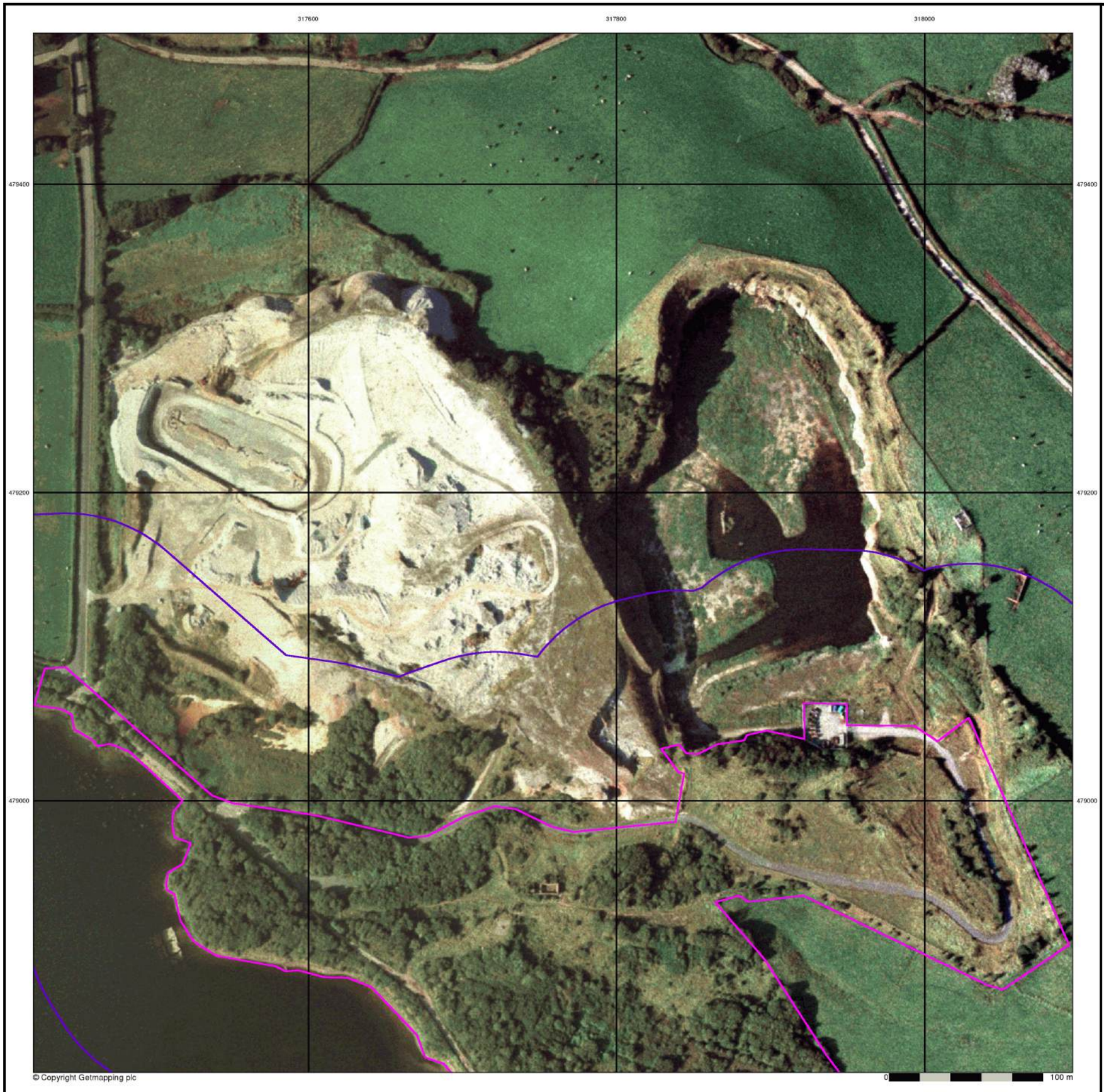


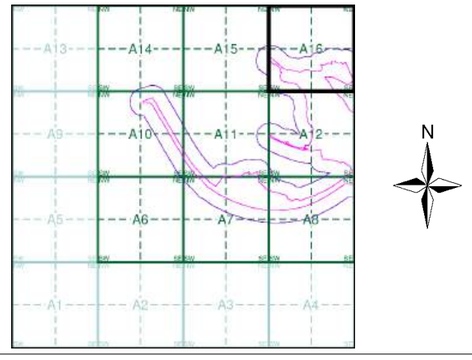
curtins

Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A16



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Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

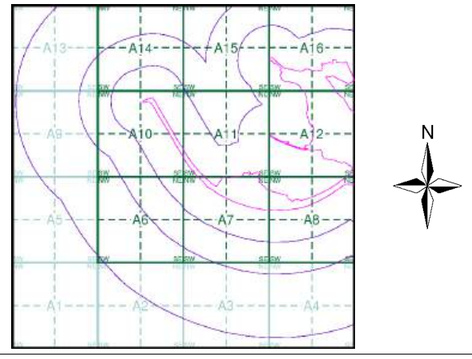
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Mud
Sand
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

curtins

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1850	2
Cumberland	1:10,560	1867	3
Lancashire And Furness	1:10,560	1892	4
Cumberland	1:10,560	1900	5
Lancashire And Furness	1:10,560	1916	6
Lancashire And Furness	1:10,560	1919	7
Lancashire And Furness	1:10,560	1919	8
Cumberland	1:10,560	1926 - 1927	9
Lancashire And Furness	1:10,560	1938	10
Ordnance Survey Plan	1:10,000	1956	11
Ordnance Survey Plan	1:10,000	1973	12
Ordnance Survey Plan	1:10,000	1993	13
10K Raster Mapping	1:10,000	2001	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2022	16

Historical Map - Slice A



Order Details

Order Number: 307697430_1_1
Customer Ref: No. 4229
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Slice: A
Site Area (Ha): 57.66
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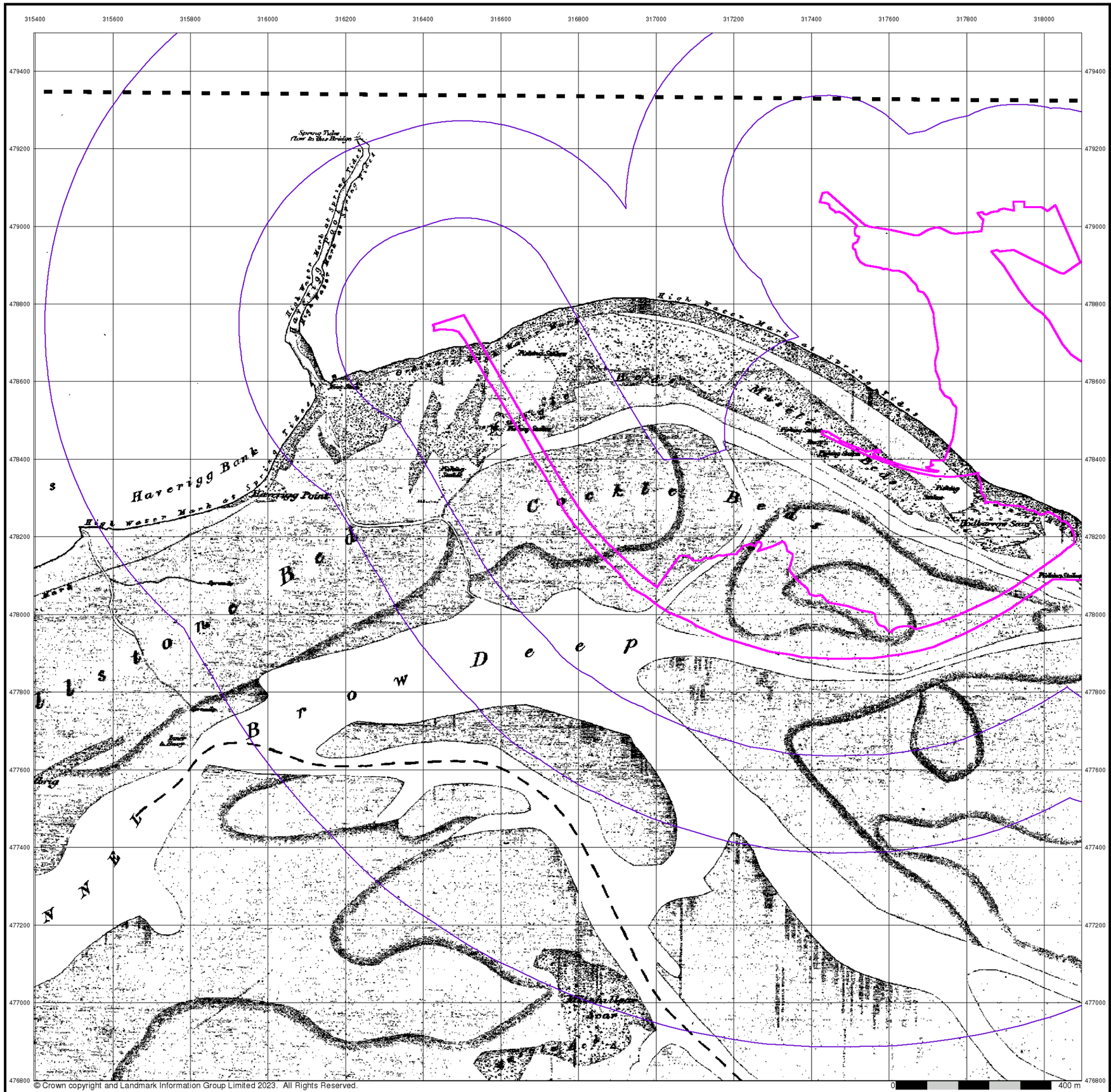

curtins

Lancashire And Furness

Published 1850

Source map scale - 1:10,560

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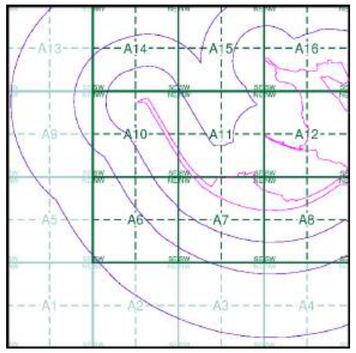
Map Name(s) and Date(s)

01000
1850
1:10,560

01500
1850
1:10,560

Historical Map - Slice A



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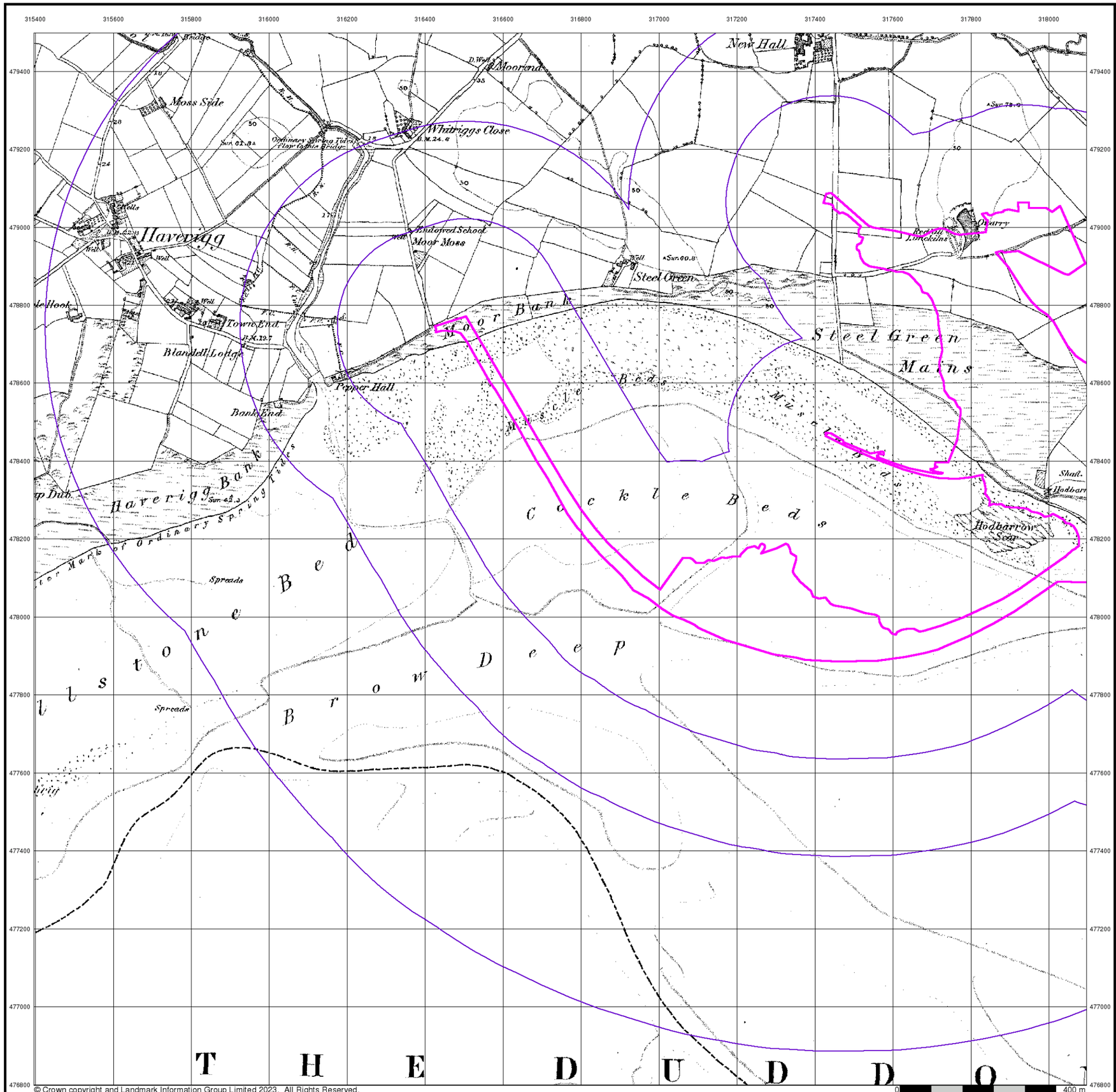

curtins

Cumberland

Published 1867

Source map scale - 1:10,560

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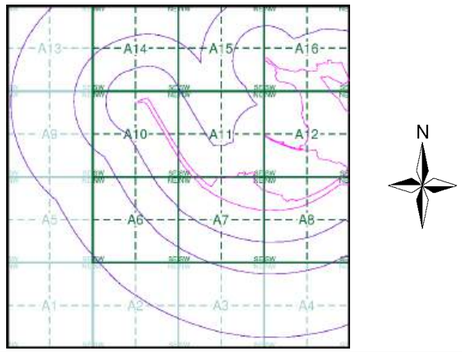
Map Name(s) and Date(s)

09000
1867
1:10,560

Historical Map - Slice A



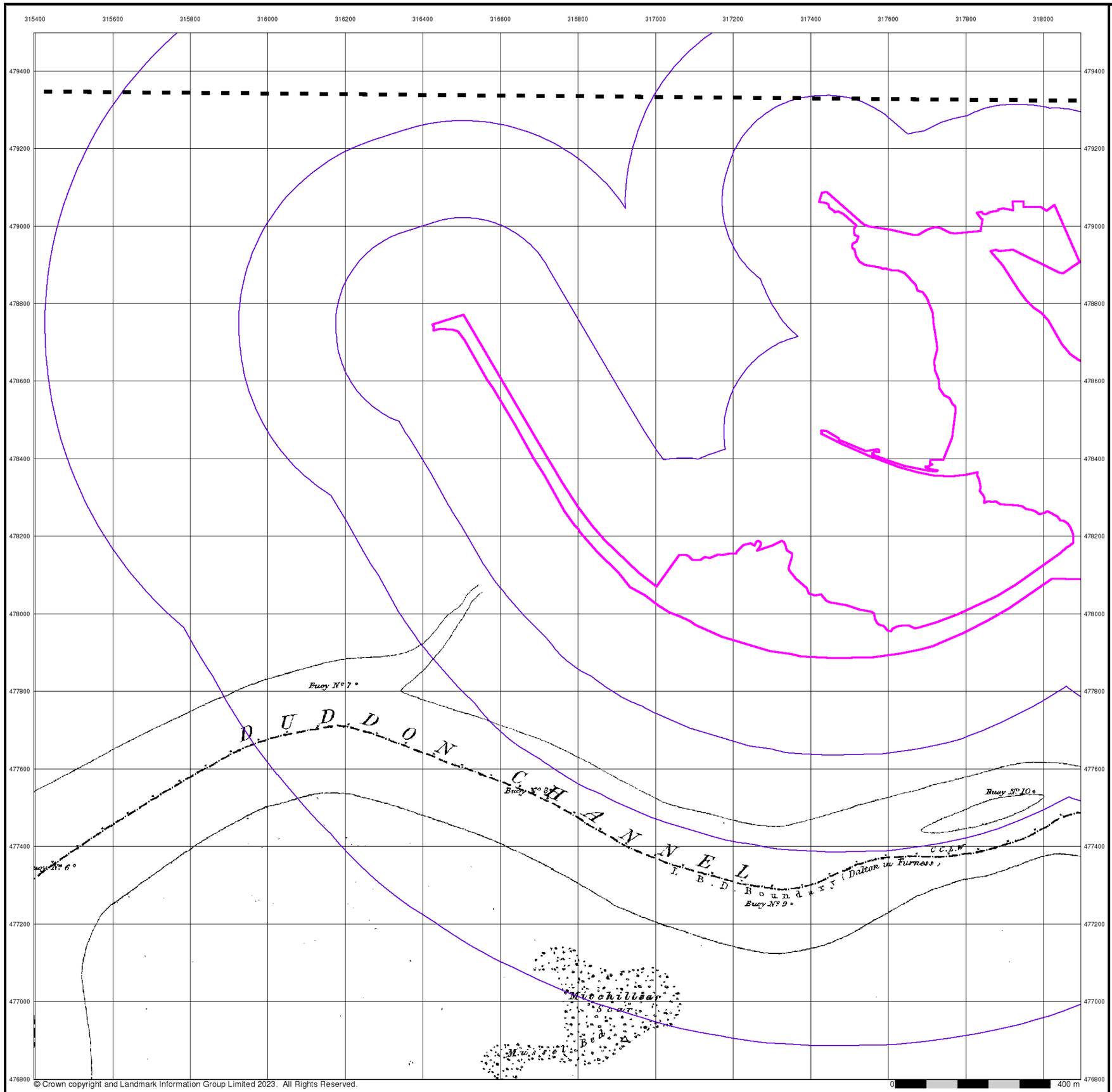
Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	1000

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

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



curtins

Lancashire And Furness

Published 1892

Source map scale - 1:10,560

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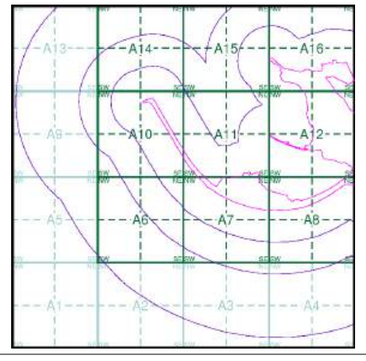
Map Name(s) and Date(s)

01000
1892
1:10,560

01500
1892
1:10,560

Historical Map - Slice A



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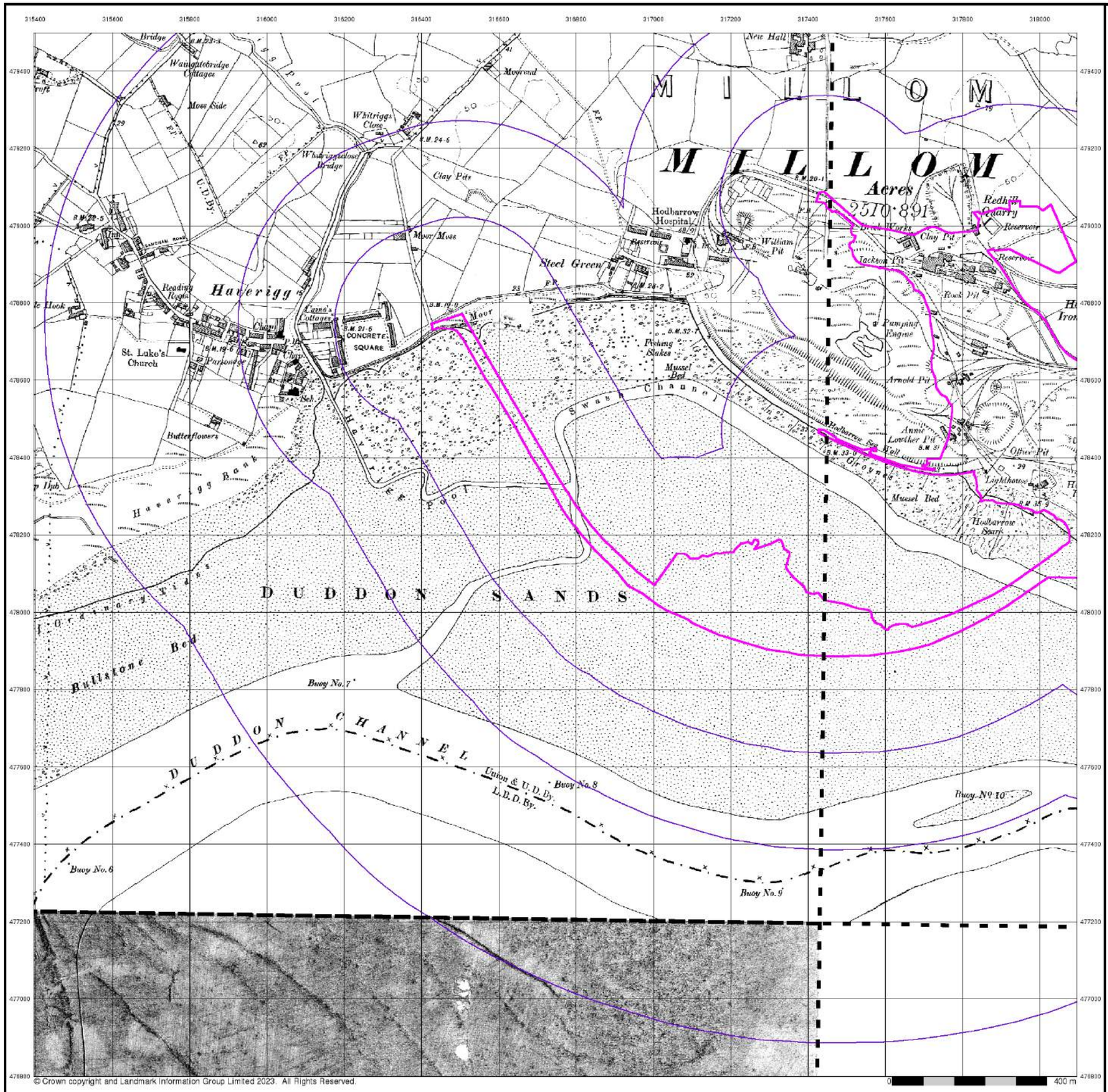

curtins

Cumberland

Published 1900

Source map scale - 1:10,560

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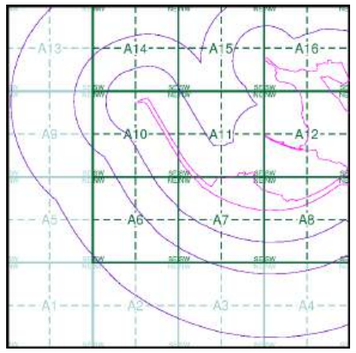
Map Name(s) and Date(s)

090NW 1900 1:10,560
090NE 1900 1:10,560
090SW 1900 1:10,560

Historical Map - Slice A



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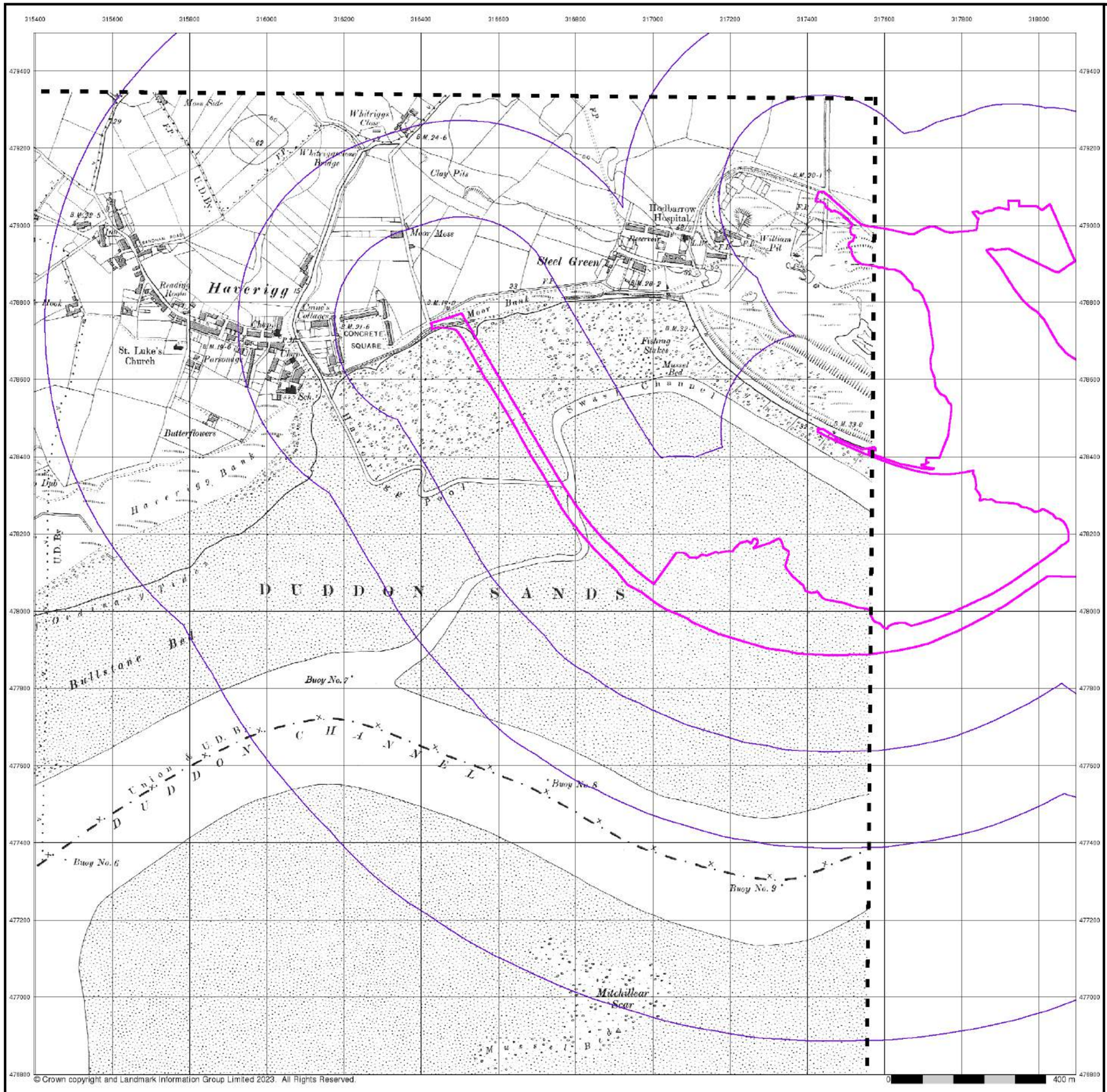

curtins

Lancashire And Furness

Published 1916

Source map scale - 1:10,560

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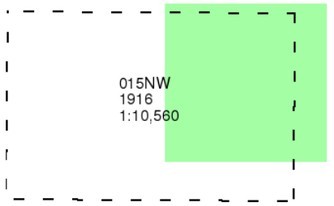
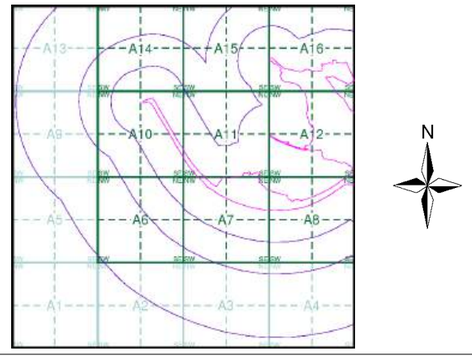
Map Name(s) and Date(s)



Historical Map - Slice A



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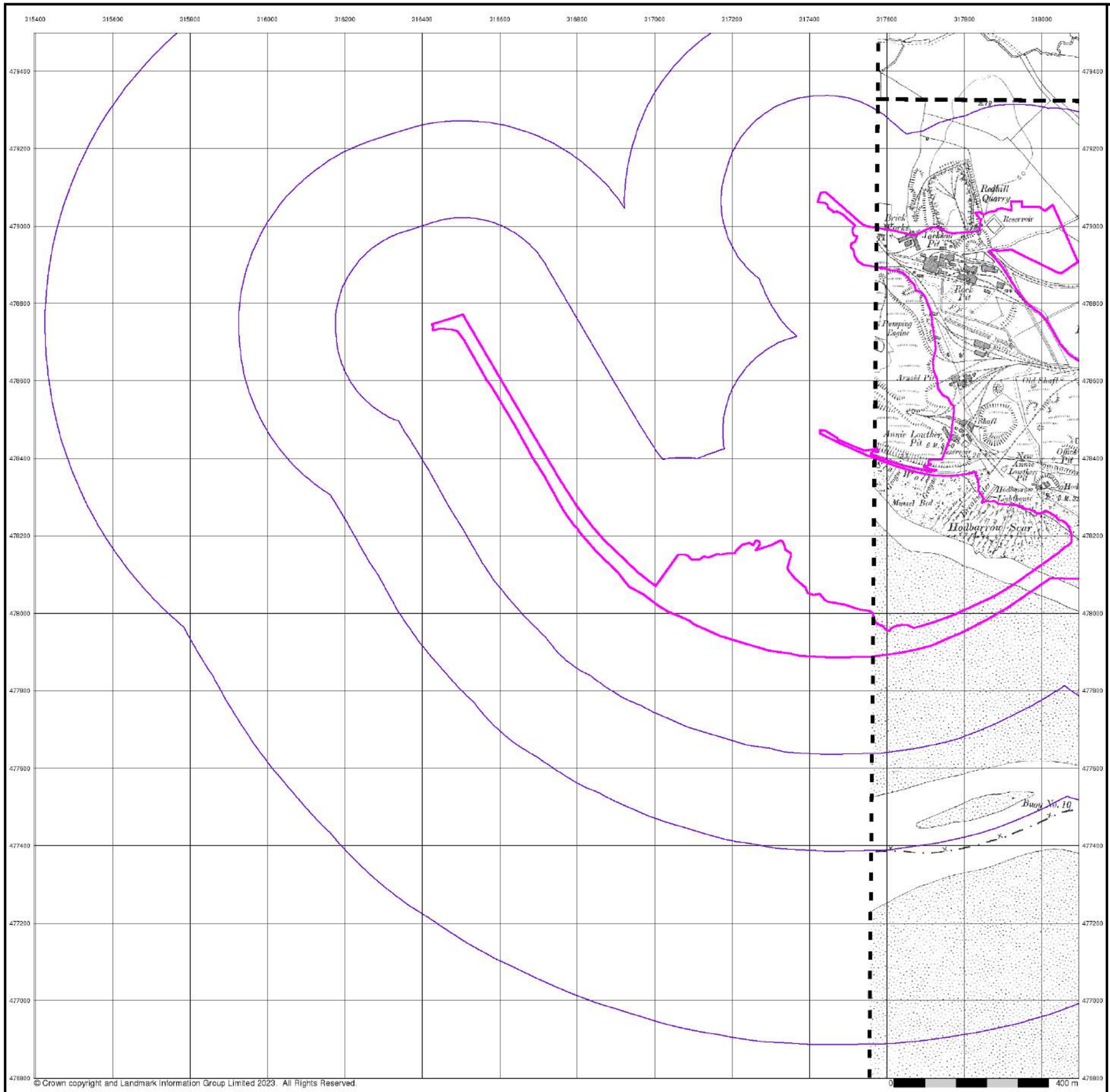

curtins

Lancashire And Furness

Published 1919

Source map scale - 1:10,560

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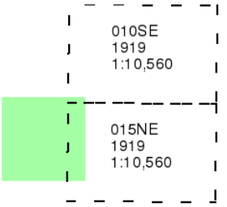
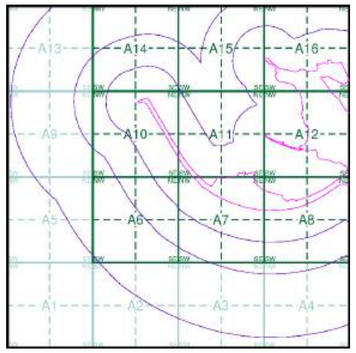
Map Name(s) and Date(s)



Historical Map - Slice A



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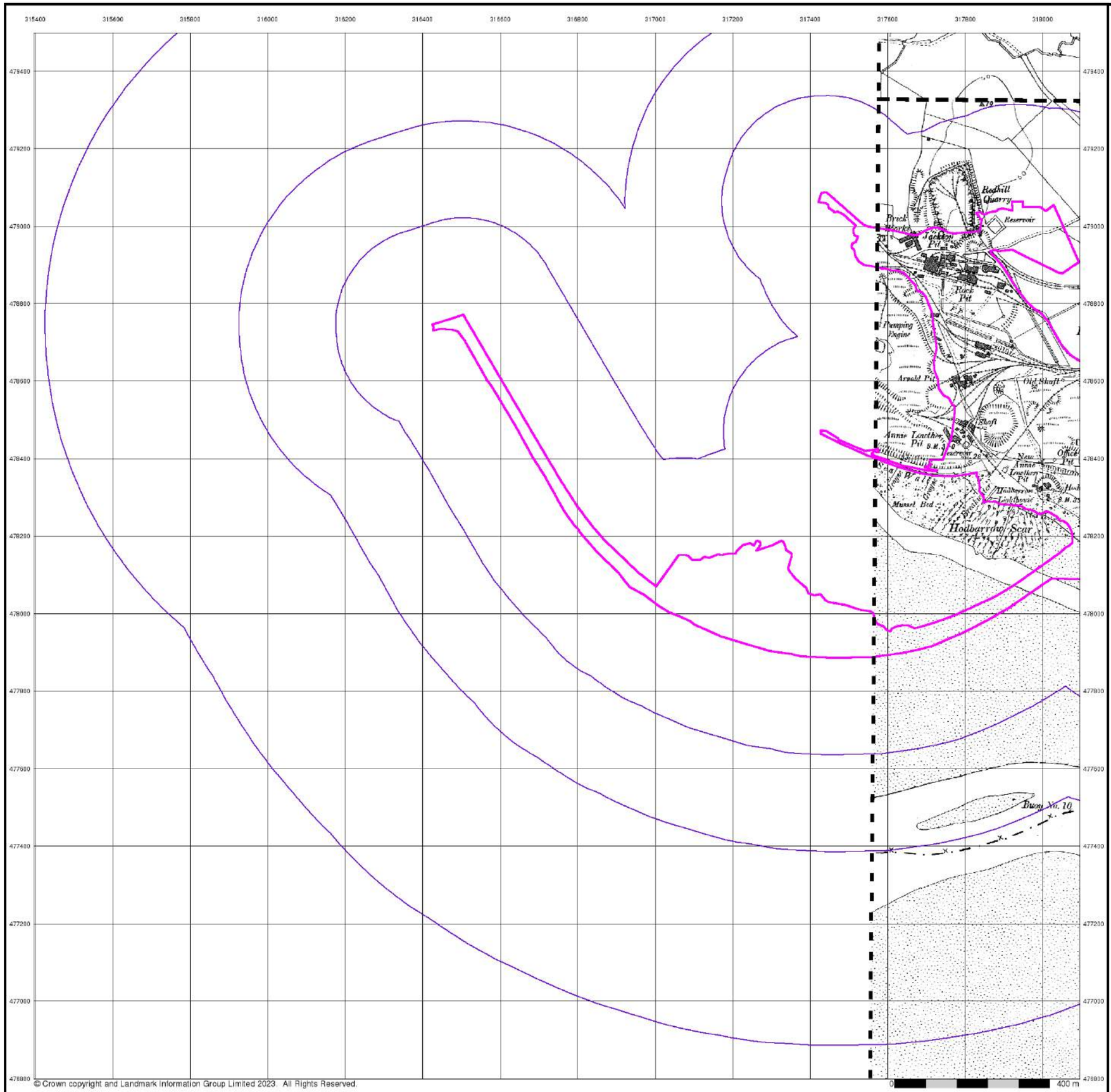

curtins

Lancashire And Furness

Published 1919

Source map scale - 1:10,560

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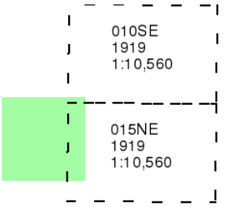
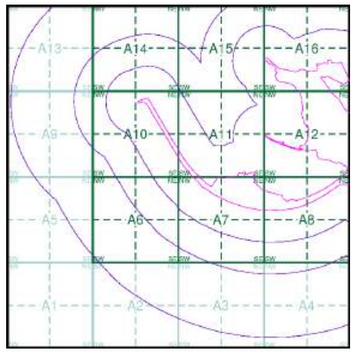


Historical Map - Slice A



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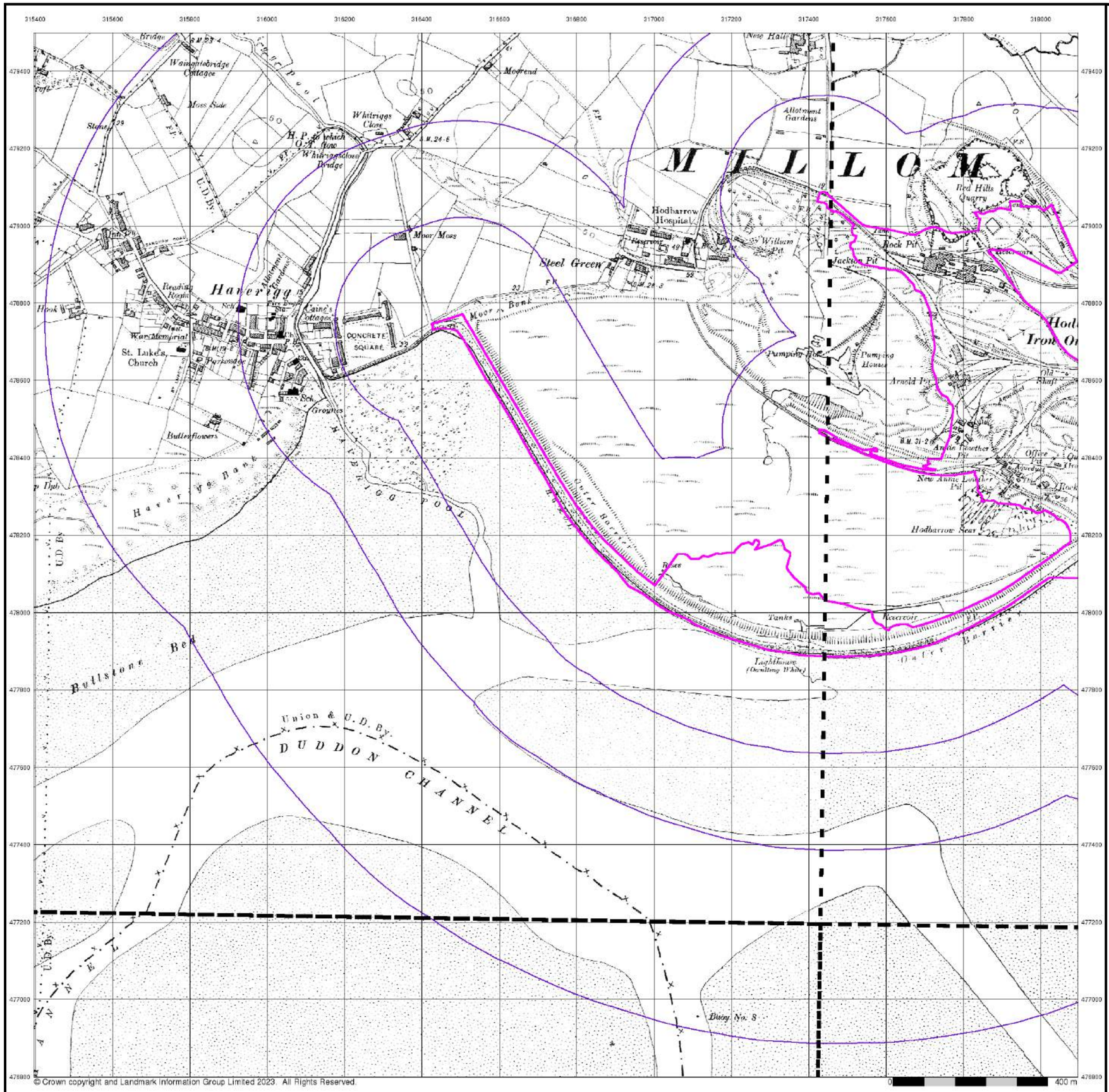

curtins

Cumberland

Published 1926 - 1927

Source map scale - 1:10,560

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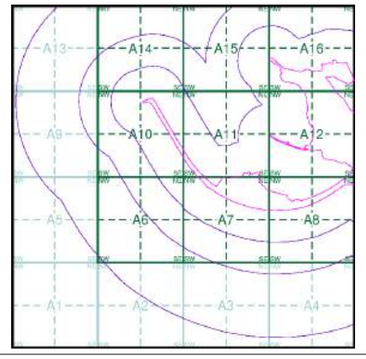
Map Name(s) and Date(s)

090NW 1927 1:10,560
090NE 1927 1:10,560
090SW 1926 1:10,560
090SE 1927 1:10,560

Historical Map - Slice A



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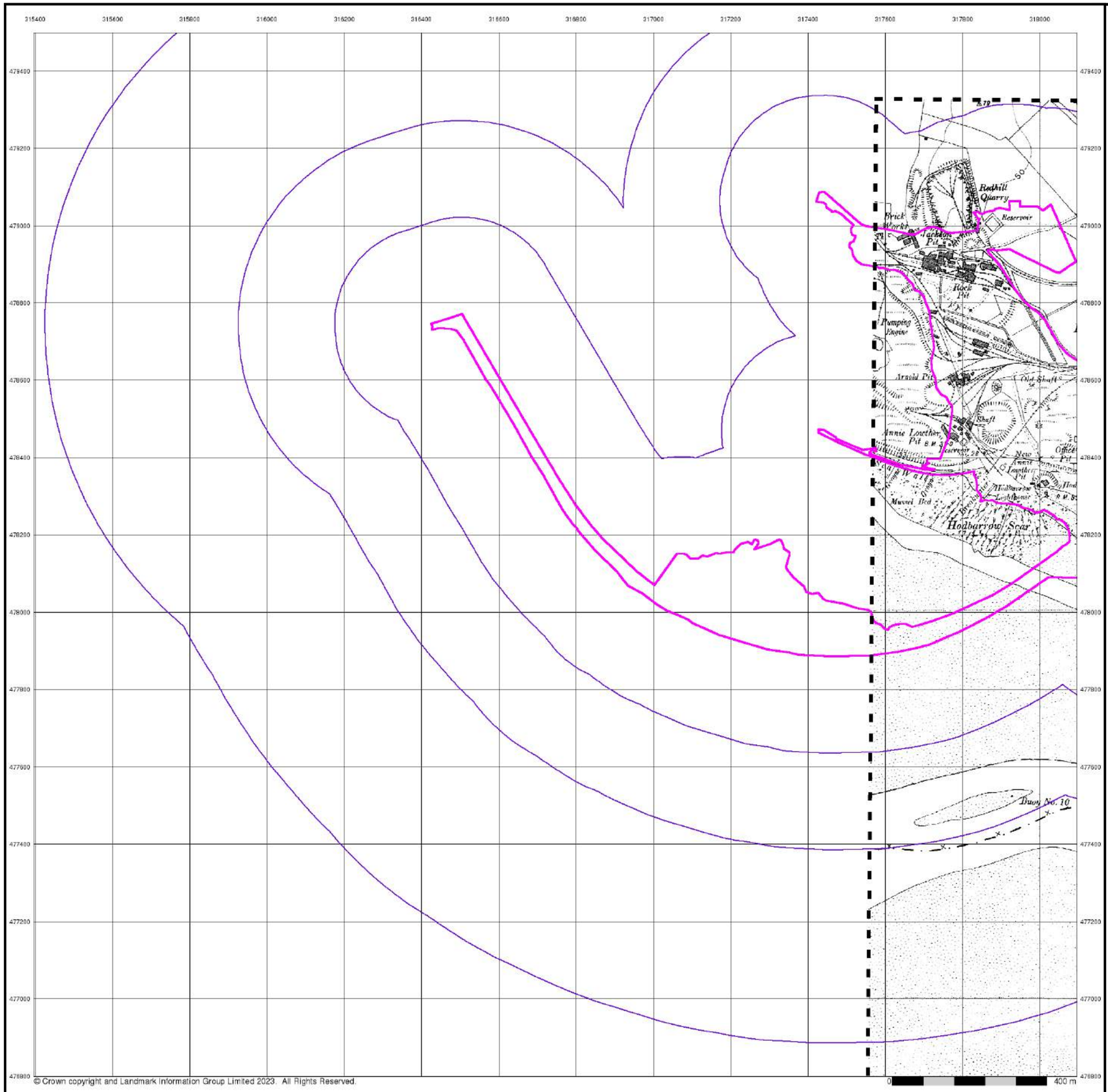

curtins

Lancashire And Furness

Published 1938

Source map scale - 1:10,560

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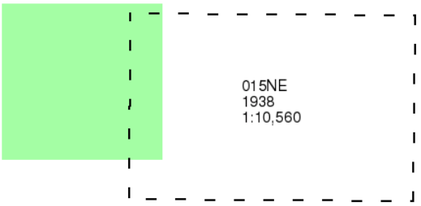
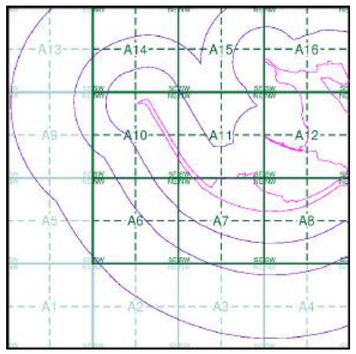
Map Name(s) and Date(s)



Historical Map - Slice A



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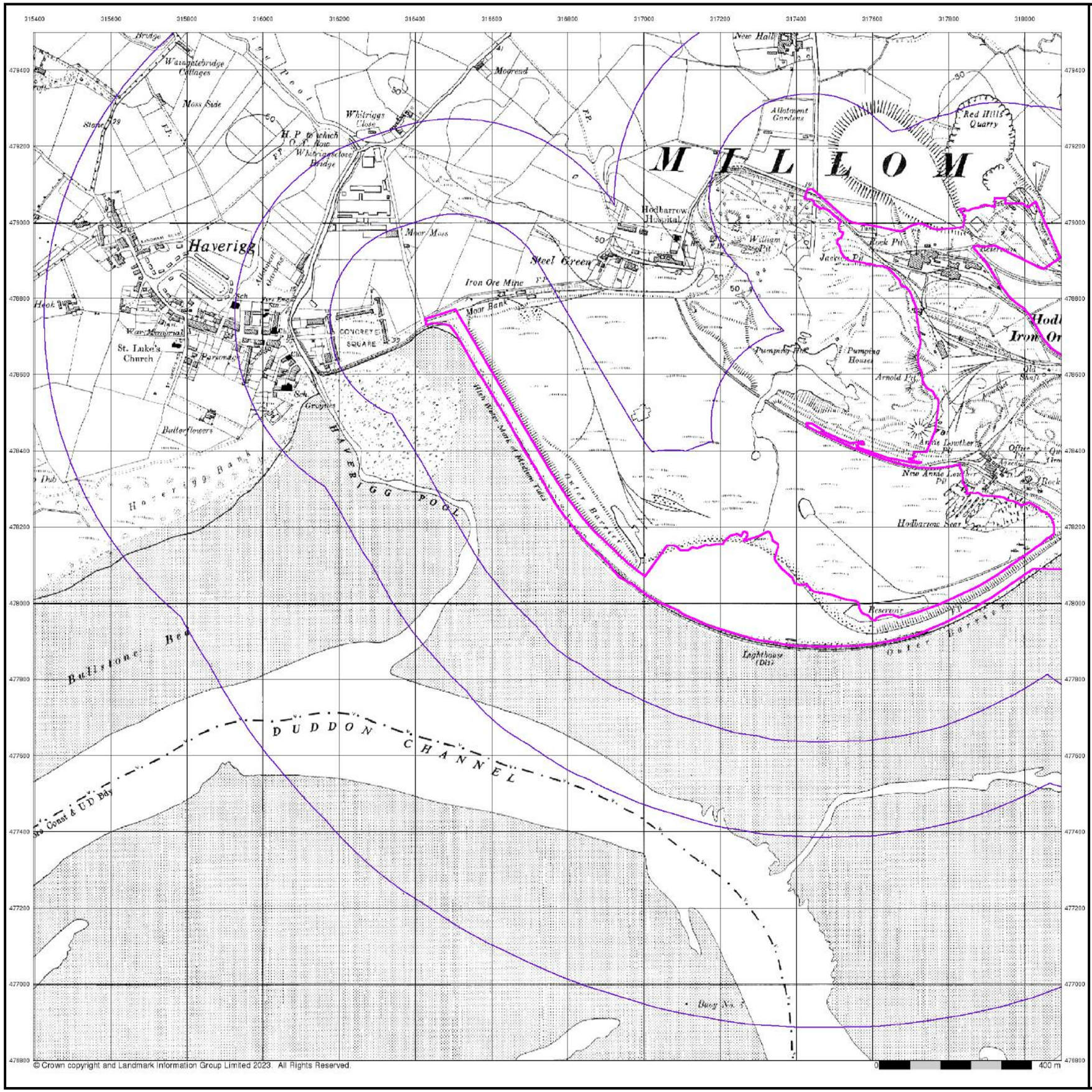

curtins

Ordnance Survey Plan

Published 1956

Source map scale - 1:10,000

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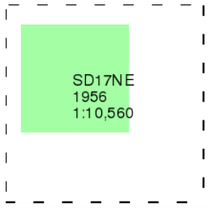
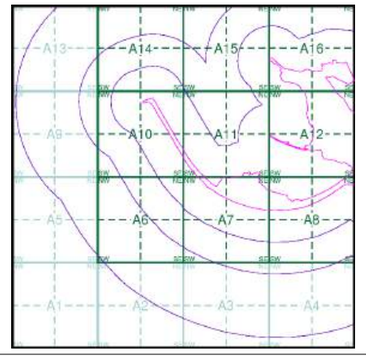
Map Name(s) and Date(s)



Historical Map - Slice A



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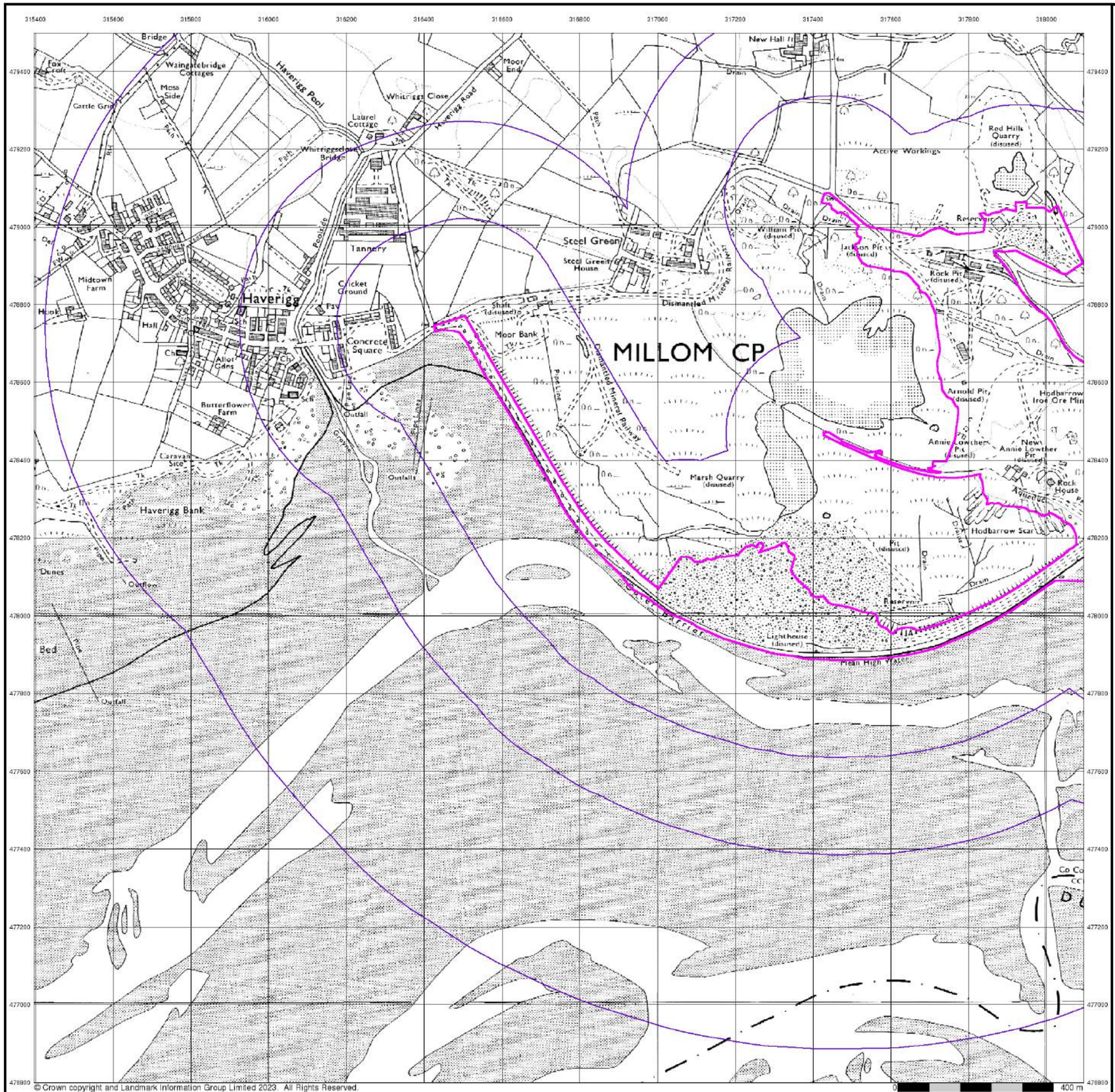

curtins

Ordnance Survey Plan

Published 1973

Source map scale - 1:10,000

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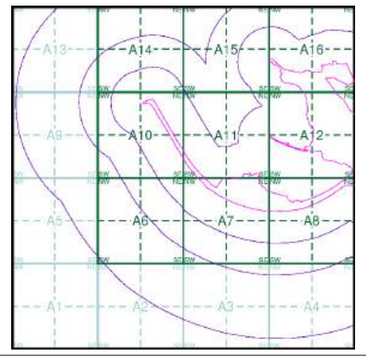
Map Name(s) and Date(s)

SD17NE
1973
1:10,000

Historical Map - Slice A



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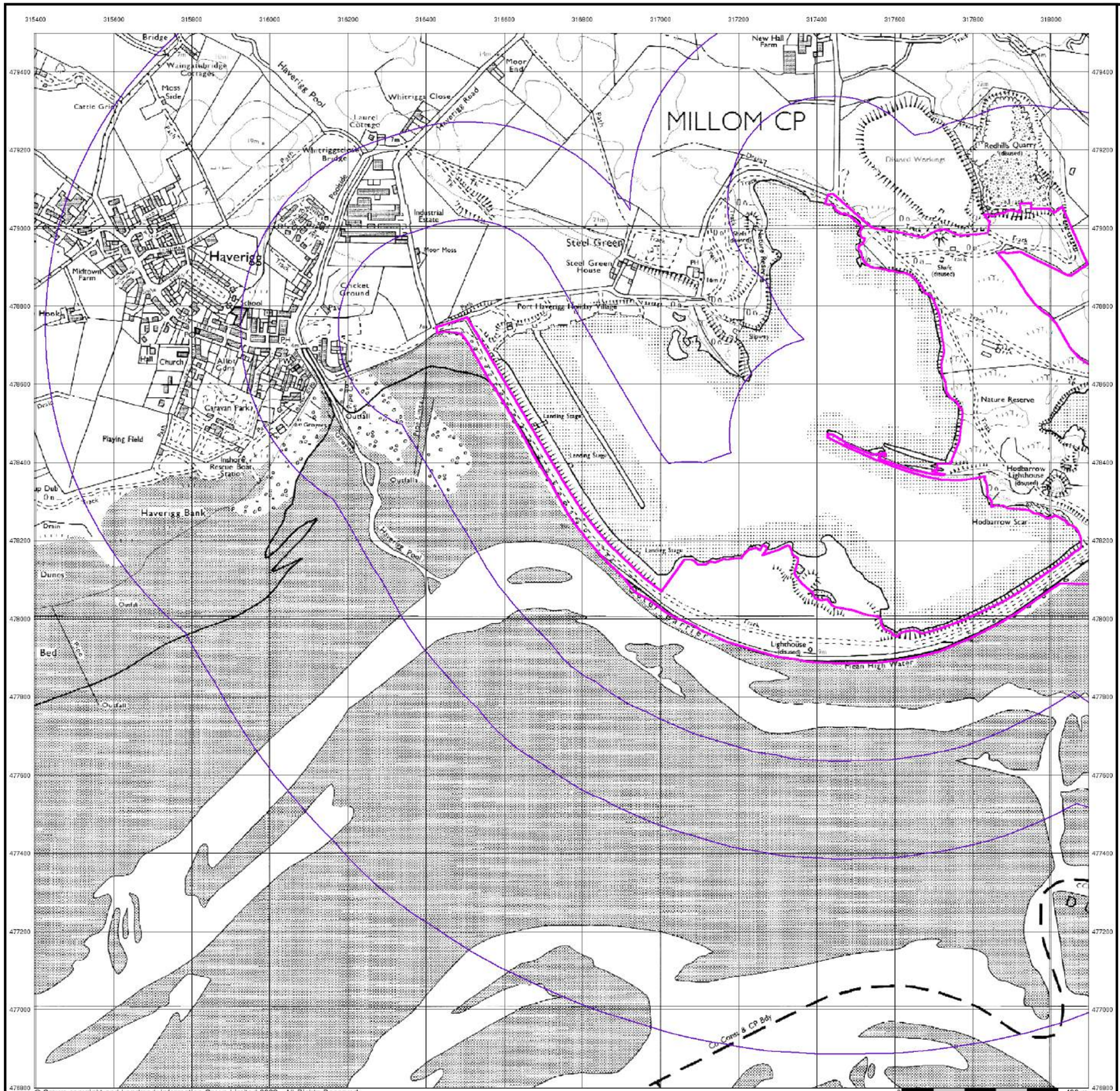

curtins

Ordnance Survey Plan

Published 1993

Source map scale - 1:10,000

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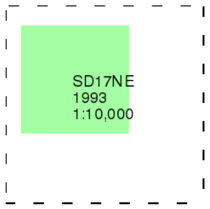
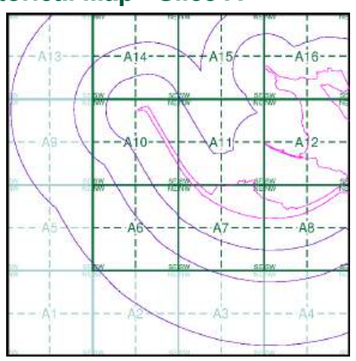
Map Name(s) and Date(s)



Historical Map - Slice A



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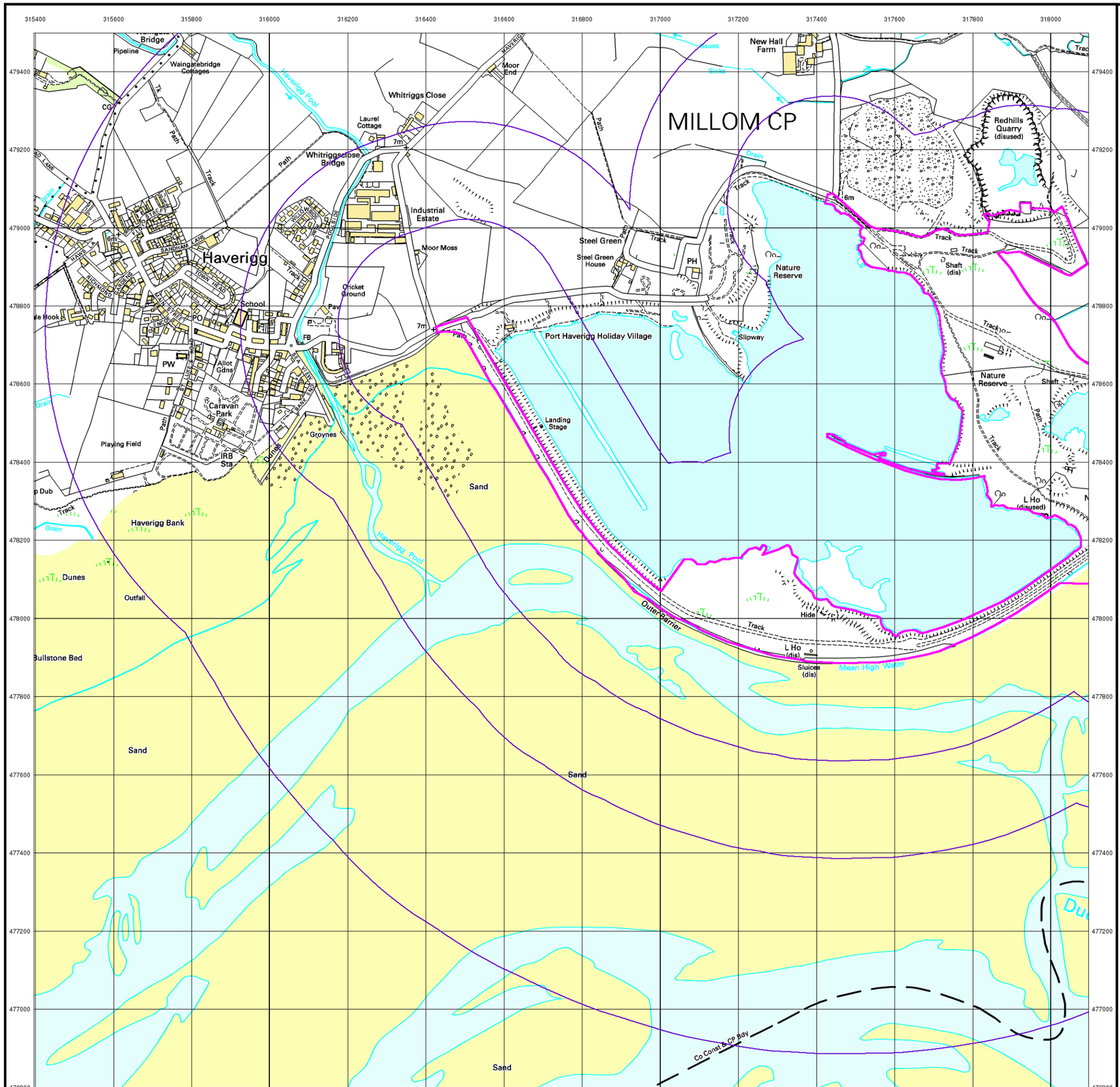


curtins

10k Raster Mapping

Published 2001

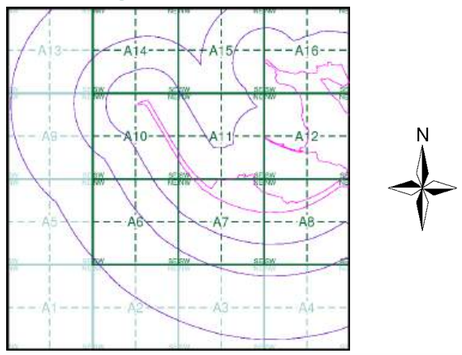
Source map scale - 1:10,000

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)

SD17NE
2001
1:10,000

Historical Map - Slice A



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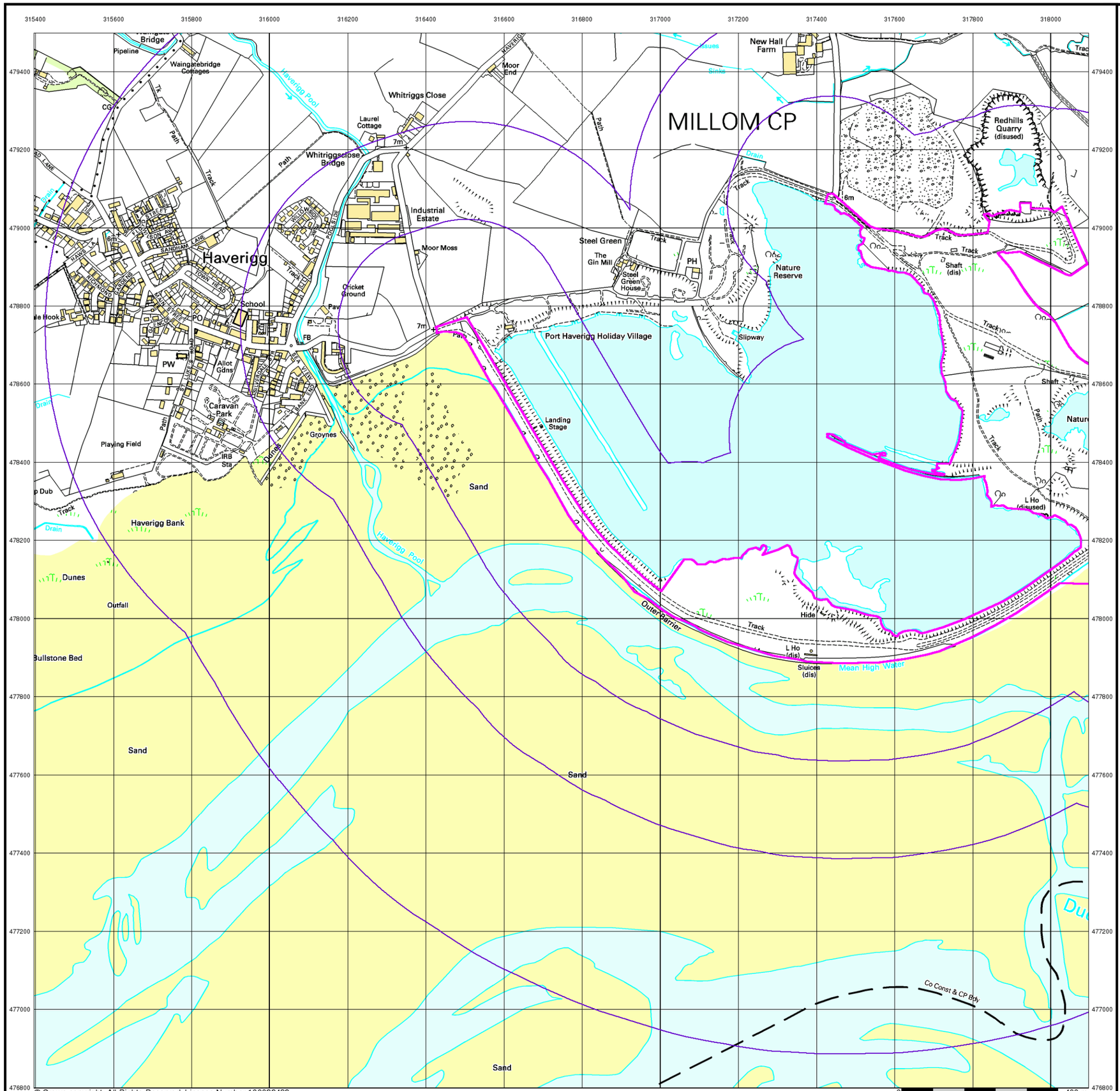


curtins

10k Raster Mapping

Published 2006

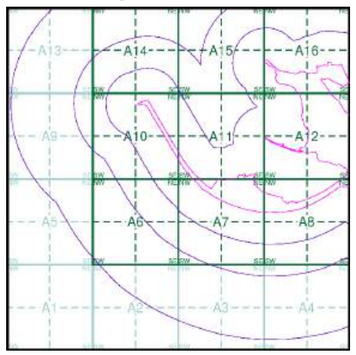
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SD17NE
2006
1:10,000

Historical Map - Slice A



Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	1000

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

Landmark INFORMATION GROUP
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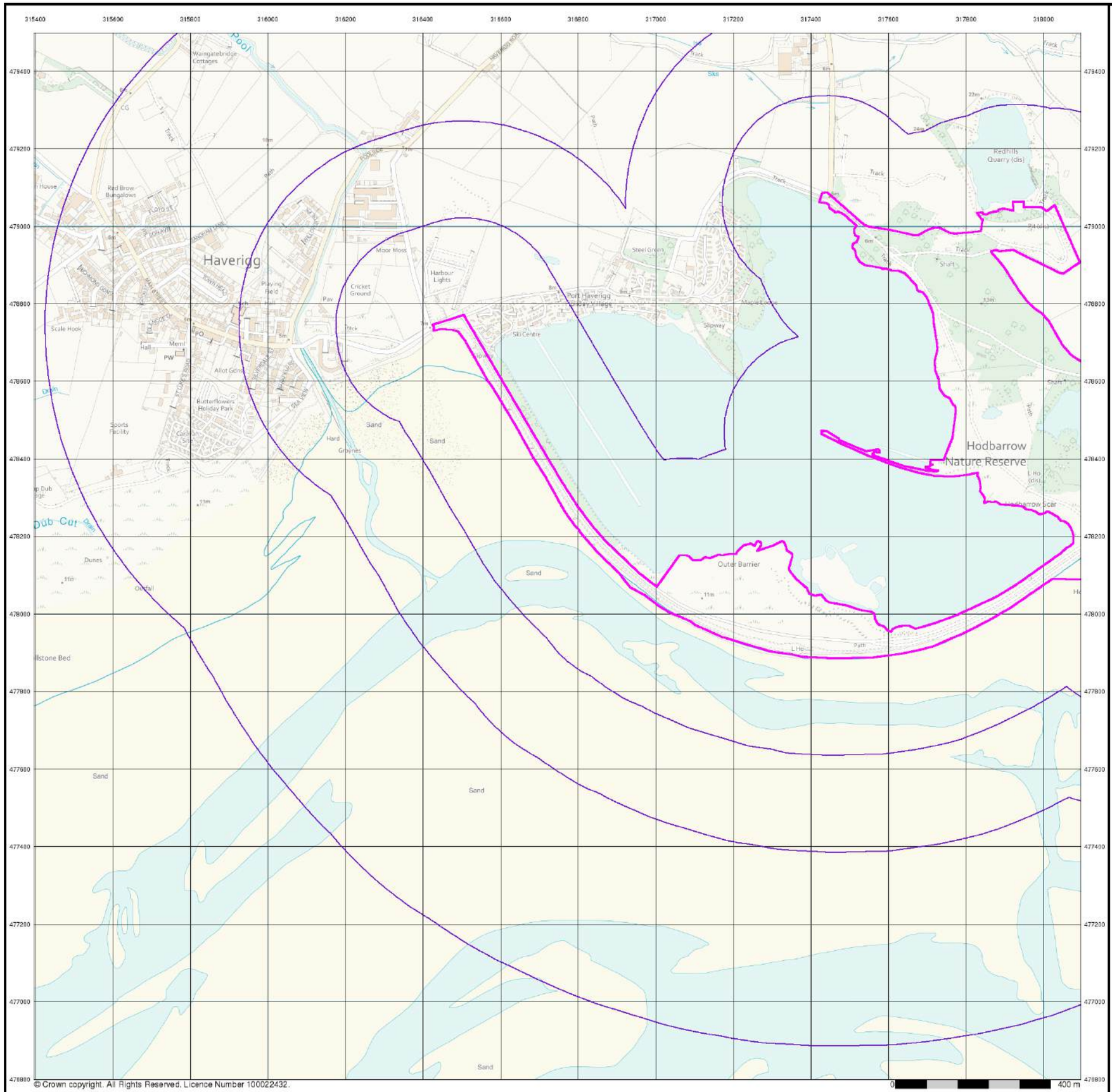


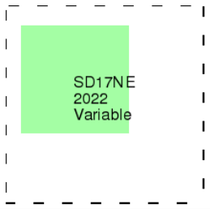
VectorMap Local

Published 2022

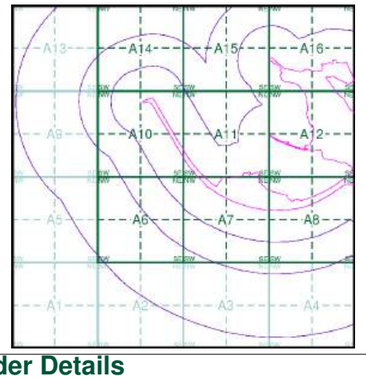
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities),1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)



Historical Map - Slice A



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Historical Mapping Legends

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

Quarry
Gravel Pit
Sand Pit
Clay Pit
Shingle
Refuse Heap
Sloping Masonry
Flat Rock
Marsh
Reeds
Osiers
Rough Pasture
Furze
Wood
Mixed Wood
Brushwood
Orchard
Fir
Ford
Stepping Stones
Ferry
Waterfall
Lock

△ Trig. Station
507 △ Altitude at Trig. Station
B.M.325·9 ↑ Bench Mark
342 + Surface Level
Arrow denotes flow of water
Antiquities (site of)

Cutting
Embankment
Railway crossing Road
Level Crossing
Road crossing Railway
Railway crossing River or Canal
Road over single stream
Road over River or Canal

County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	Sl.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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

Inactive Quarry, Chalk Pit or Clay Pit
Active Quarry, Chalk Pit or Clay Pit
Rock
Boulders
Cliff
Slopes
Top
Roofed Building
Glazed Roof Building
Top
Sloping Masonry
Archway
Non-Coniferous Tree (surveyed)
Coniferous Tree (surveyed)
Non-Coniferous Trees (not surveyed)
Coniferous Trees (not surveyed)
Orchard Tree
Scrub
Bracken
Coppice, Osier
Reeds
Marsh, Saltings
Rough Grassland
Heath
Culvert
Direction of water flow
B M Bench Mark
Antiquity (site of)
Cave Entrance
Triangulation Station
Electricity Pylon
E T L Electricity Transmission Line

County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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

Cliff
Slopes
Top
Top
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Positioned Boulder
Scree
Non-Coniferous Tree (surveyed)
Coniferous Tree (surveyed)
Non-Coniferous Trees (not surveyed)
Coniferous Trees (not surveyed)
Orchard Tree
Scrub
Bracken
Coppice, Osier
Reeds
Marsh, Saltings
Rough Grassland
Heath
Culvert
Direction of water flow
Triangulation Station
Antiquity (site of)
E T L Electricity Transmission Line
Electricity Pylon
BM 291.60m Bench Mark
Buildings with Building Seed
Roofed Building
Glazed Roof Building

Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

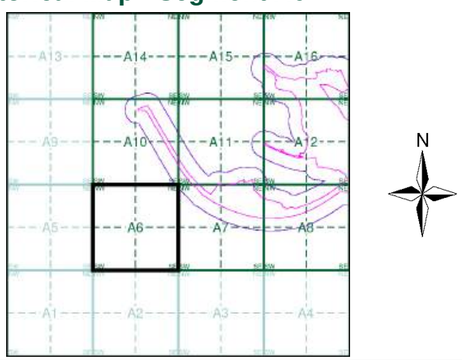
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

curtins

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cumberland	1:2,500	1862	2
Cumberland	1:2,500	1898	3
Cumberland	1:2,500	1924	4
Ordnance Survey Plan	1:2,500	1969	5
Additional SIMs	1:2,500	1981	6
Additional SIMs	1:2,500	1987	7
Additional SIMs	1:2,500	1989	8
Large-Scale National Grid Data	1:2,500	1994	9
Large-Scale National Grid Data	1:2,500	1996	10
Historical Aerial Photography	1:2,500	2000	11

Historical Map - Segment A6



Order Details

Order Number: 307697430_1_1
Customer Ref: No. 4229
National Grid Reference: 316920, 478320
Slice: A
Site Area (Ha): 57.66
Search Buffer (m): 100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

Landmark INFORMATION GROUP
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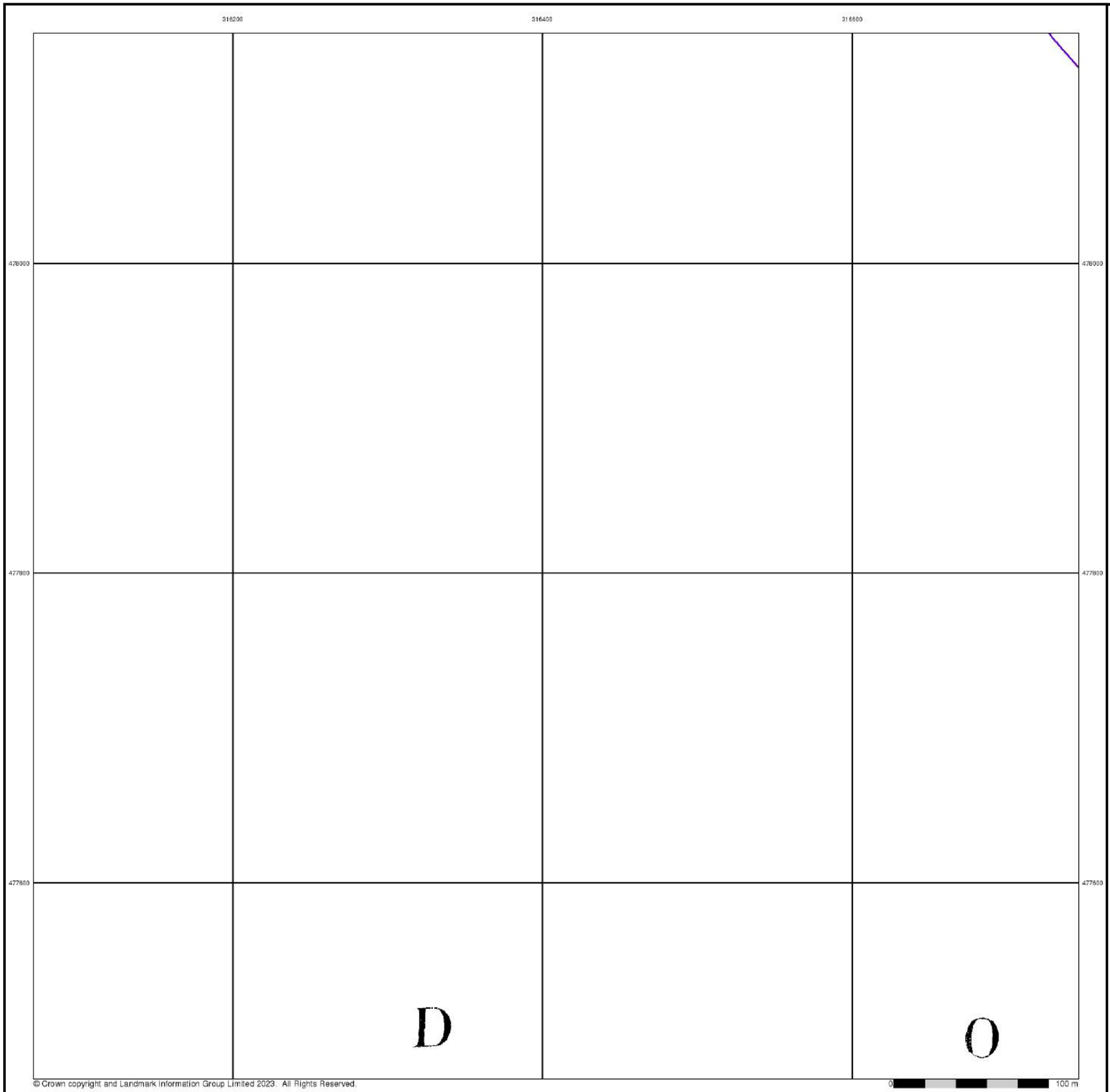


curtins

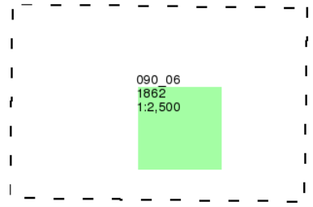
Cumberland

Published 1862

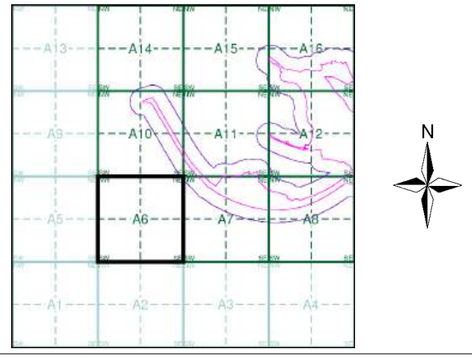
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A6



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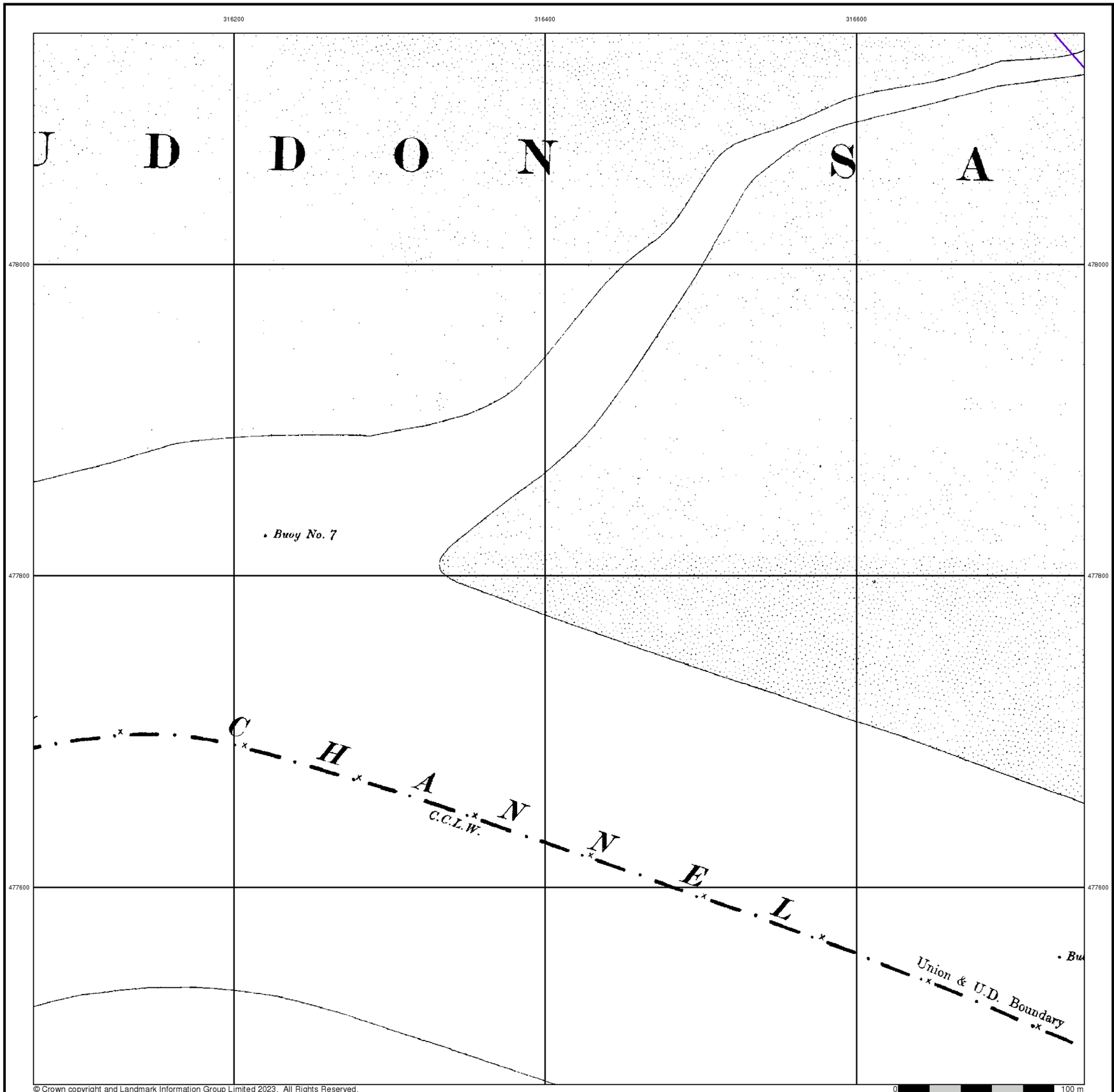


curtins

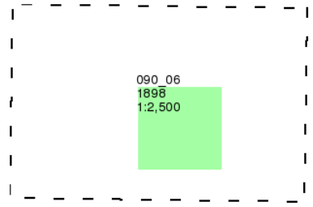
Cumberland

Published 1898

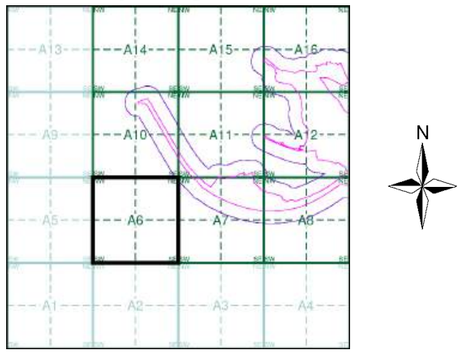
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A6



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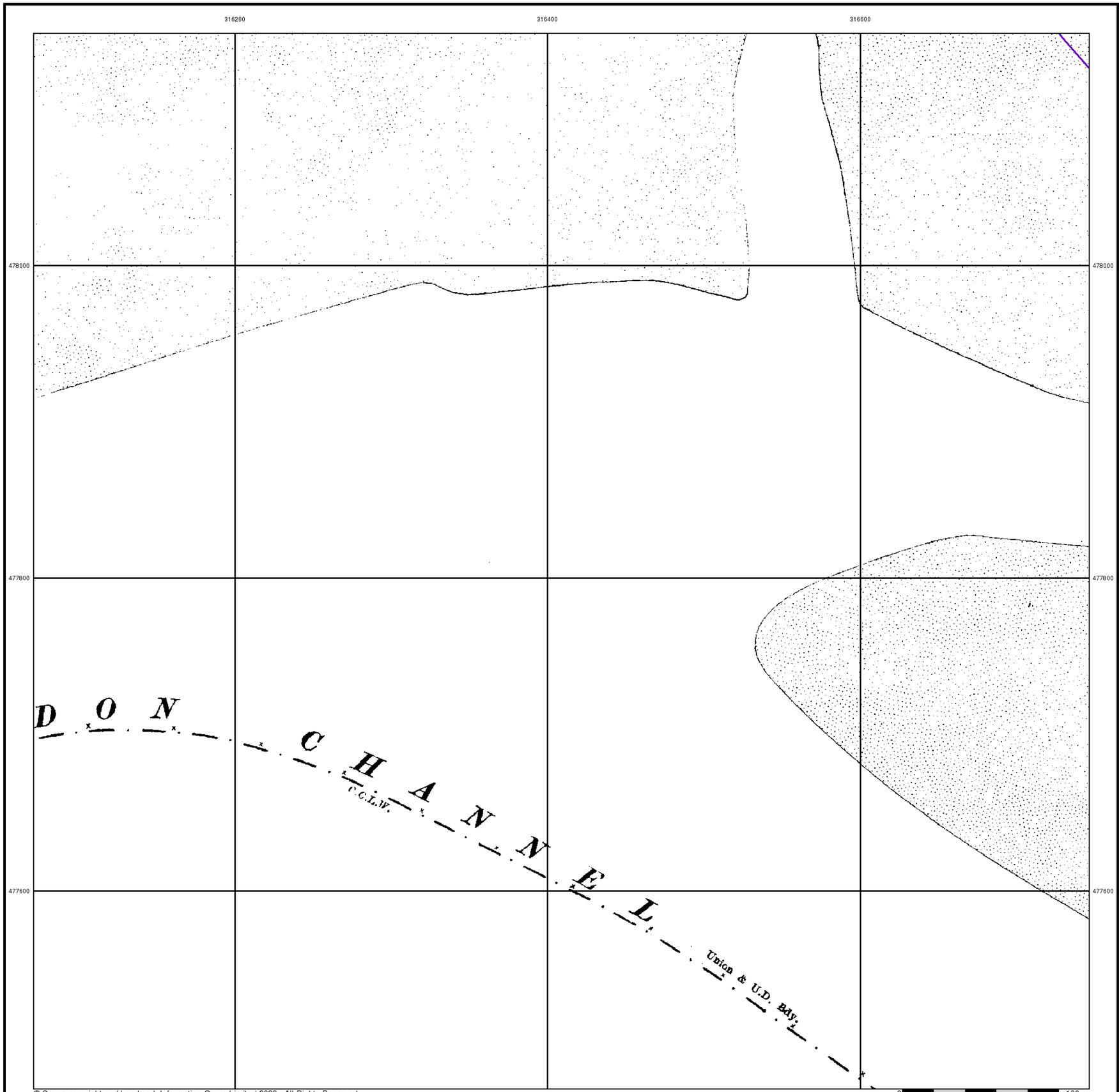


curtins

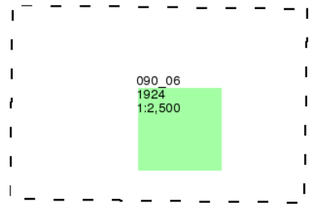
Cumberland

Published 1924

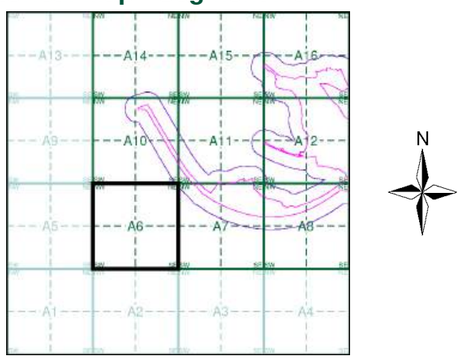
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A6



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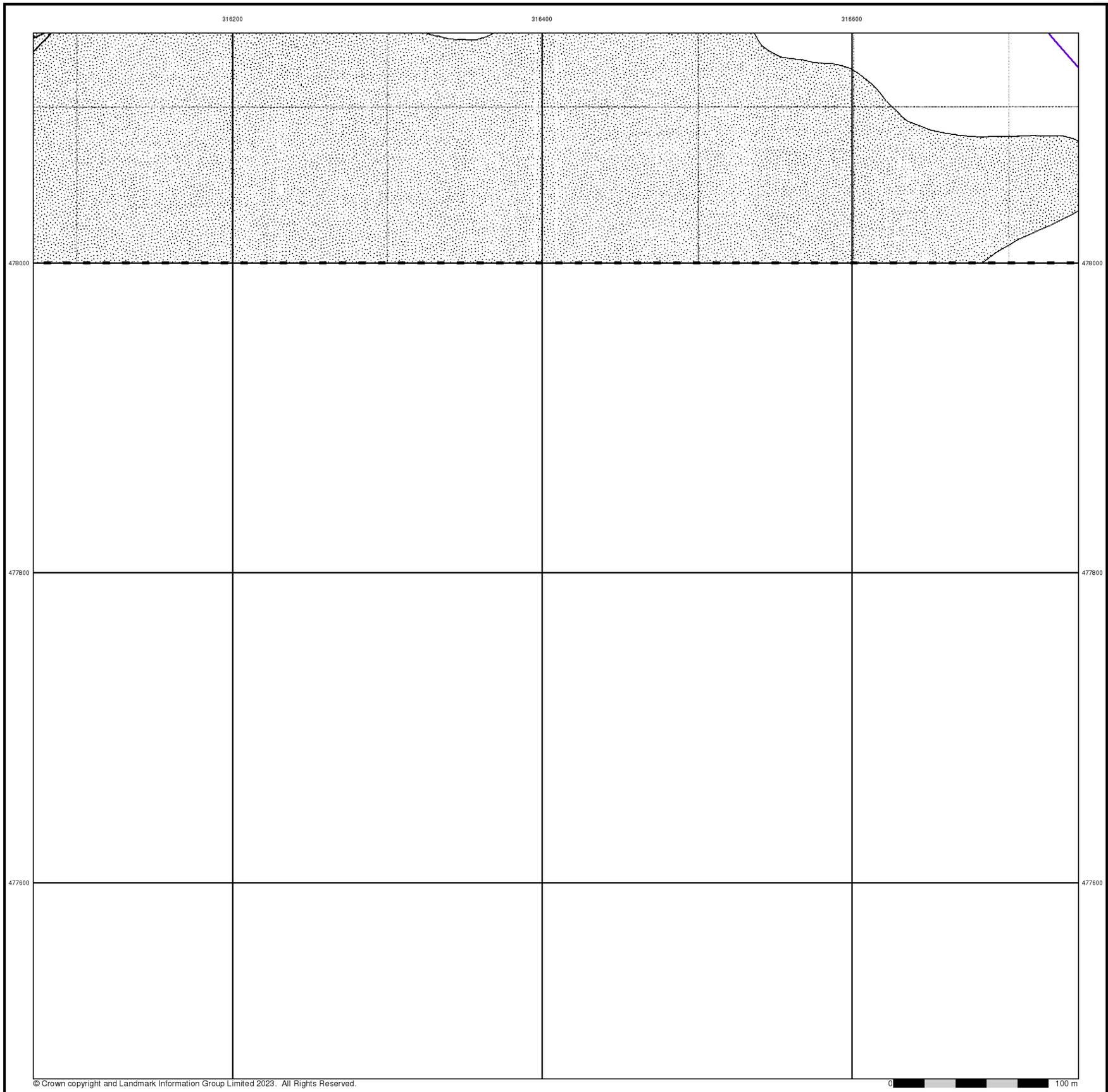


curtins

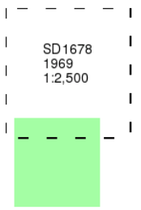
Ordnance Survey Plan

Published 1969

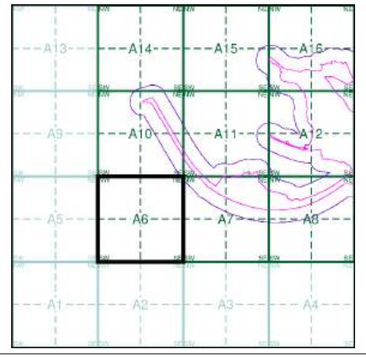
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A6



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curtins

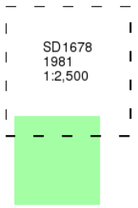
Additional SIMs

Published 1981

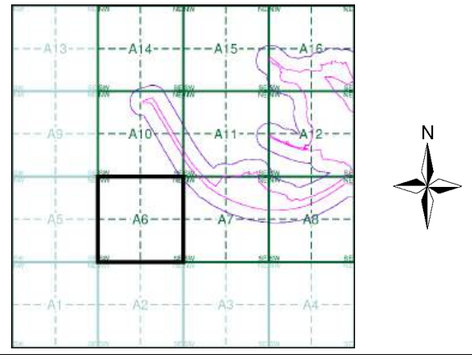
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A6



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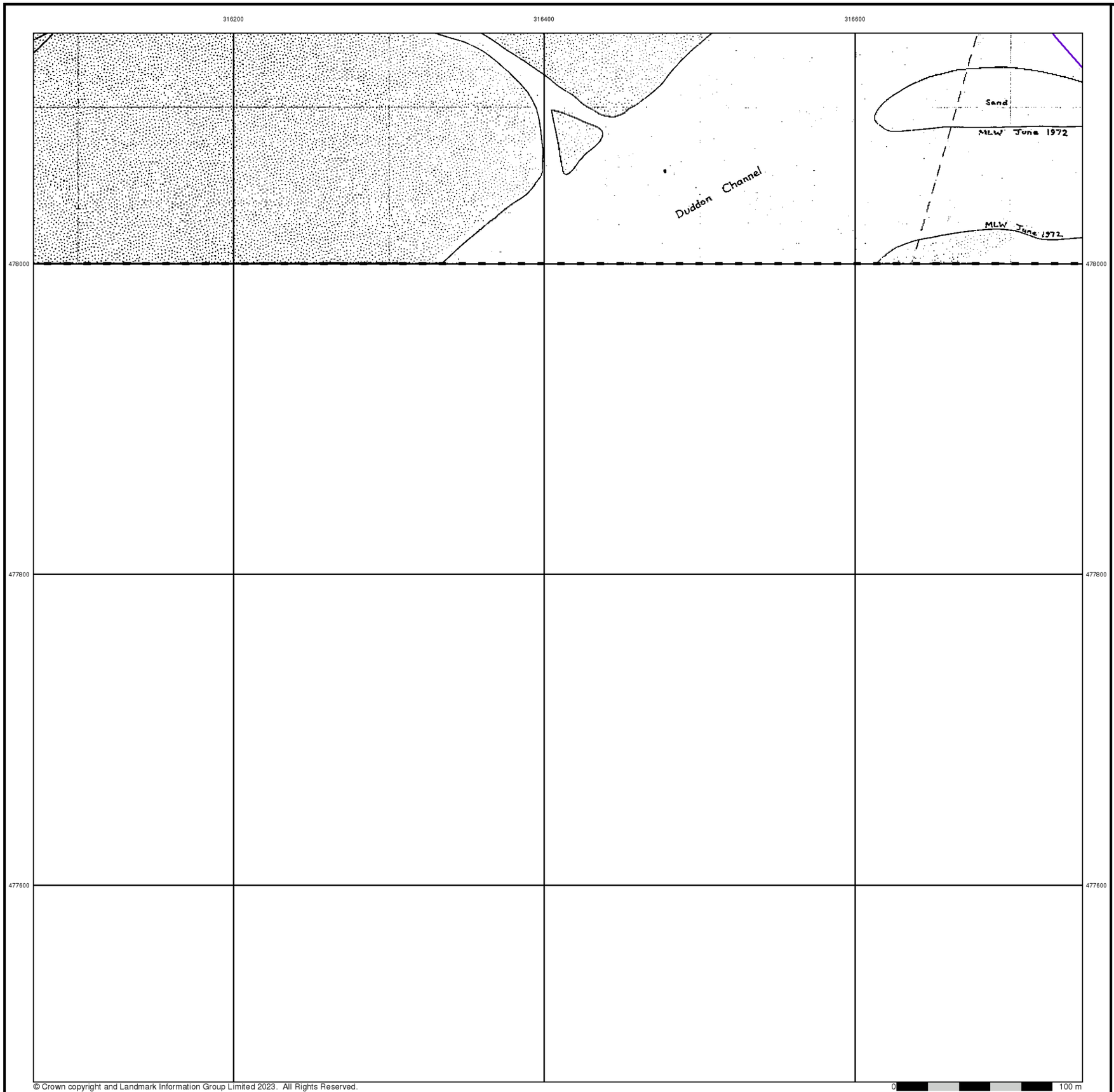

0 100 m

curtins

Additional SIMs

Published 1987

Source map scale - 1:2,500

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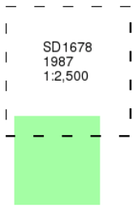
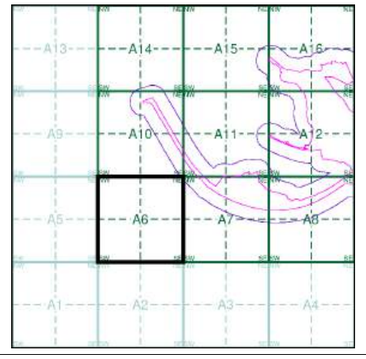
Map Name(s) and Date(s)



Historical Map - Segment A6



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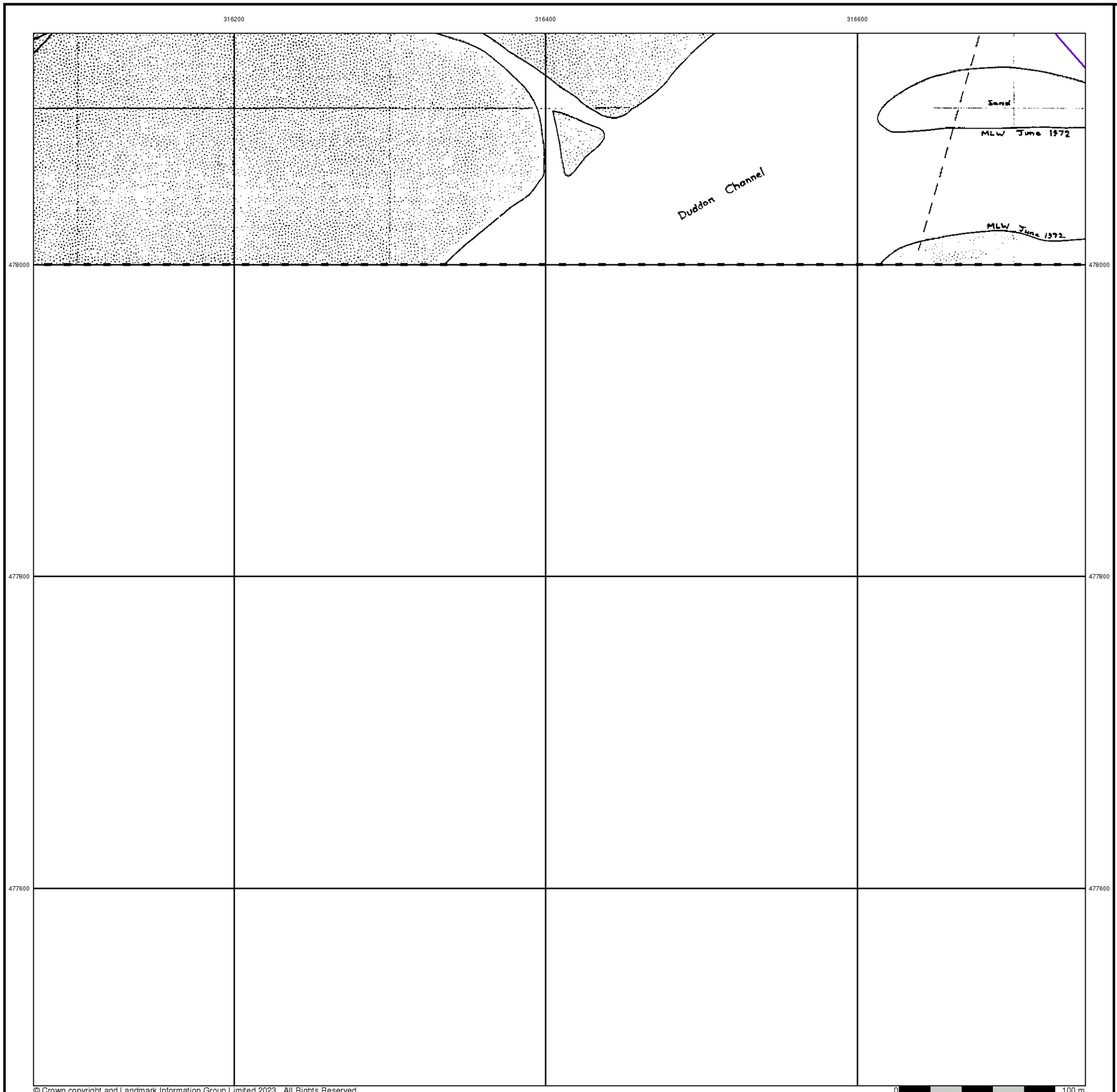


0 100 m

curtins

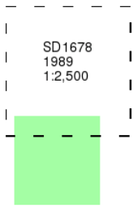
Additional SIMs

Published 1989

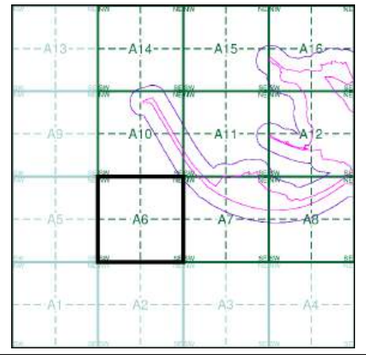
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A6



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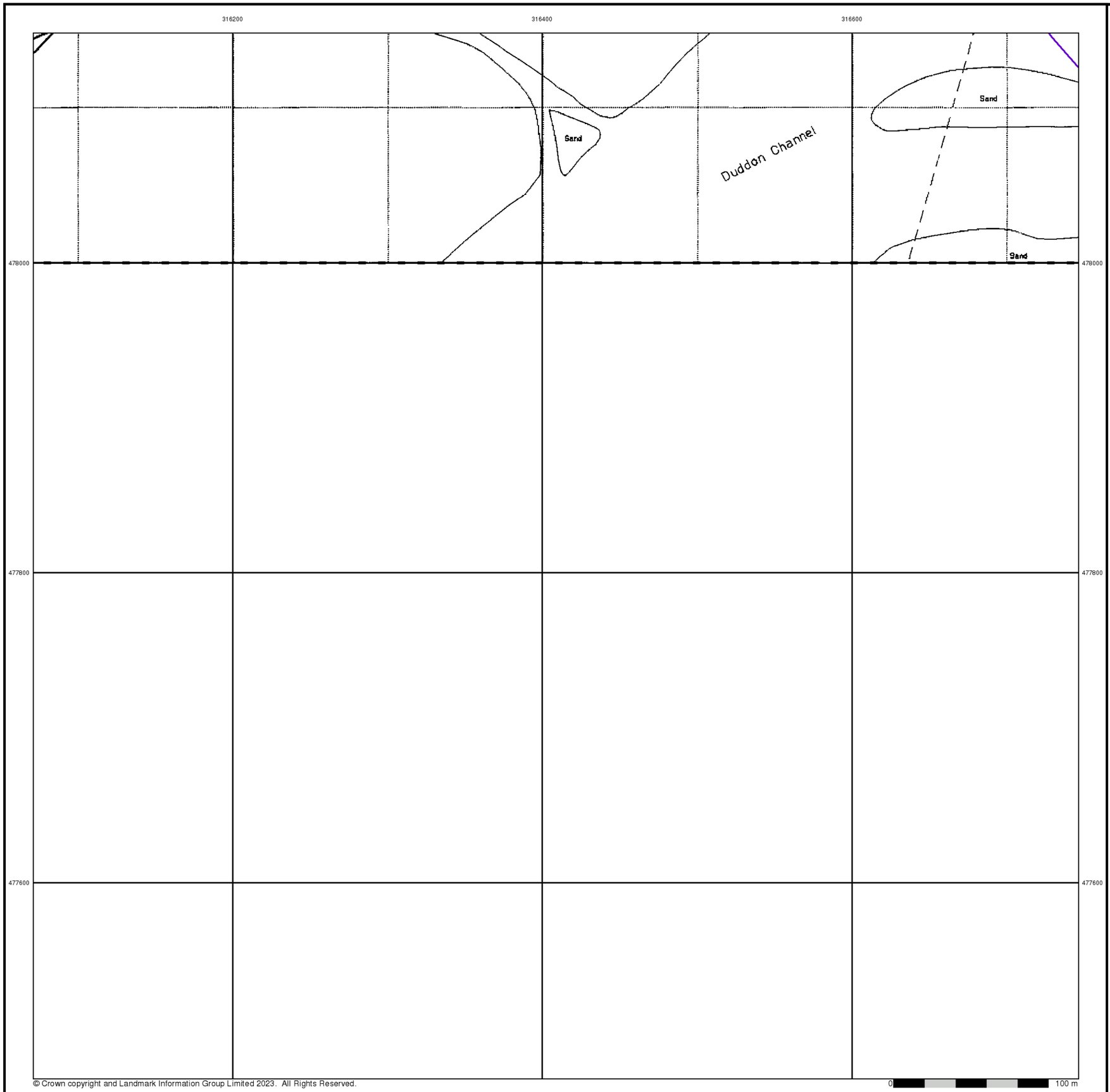


curtins

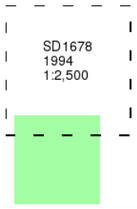
Large-Scale National Grid Data

Published 1994

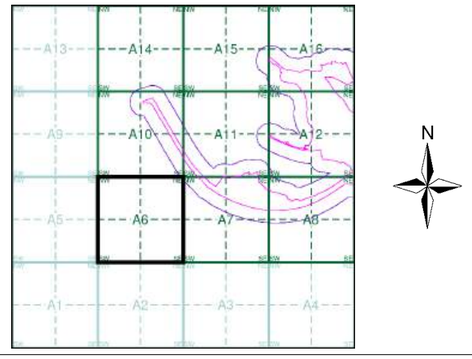
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A6



Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

Landmark INFORMATION GROUP
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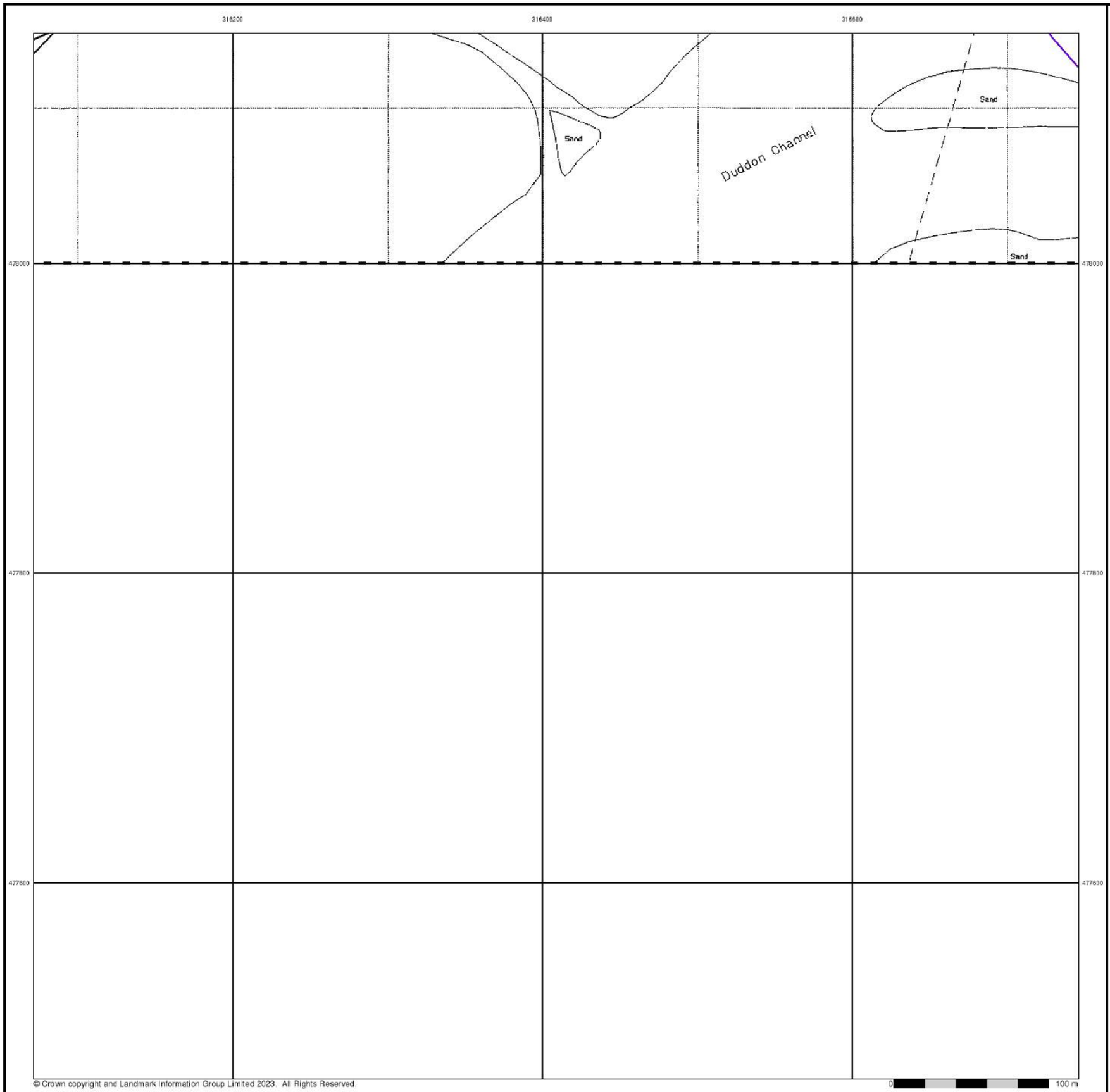
Web: www.envirocheck.co.uk



curtins

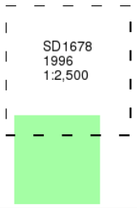
Large-Scale National Grid Data

Published 1996

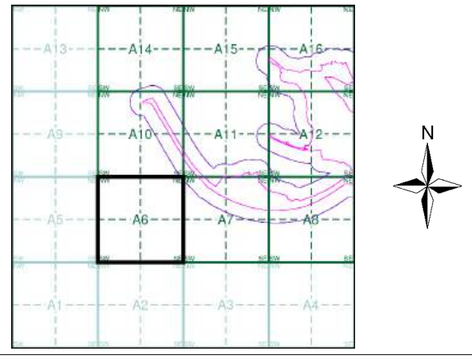
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A6



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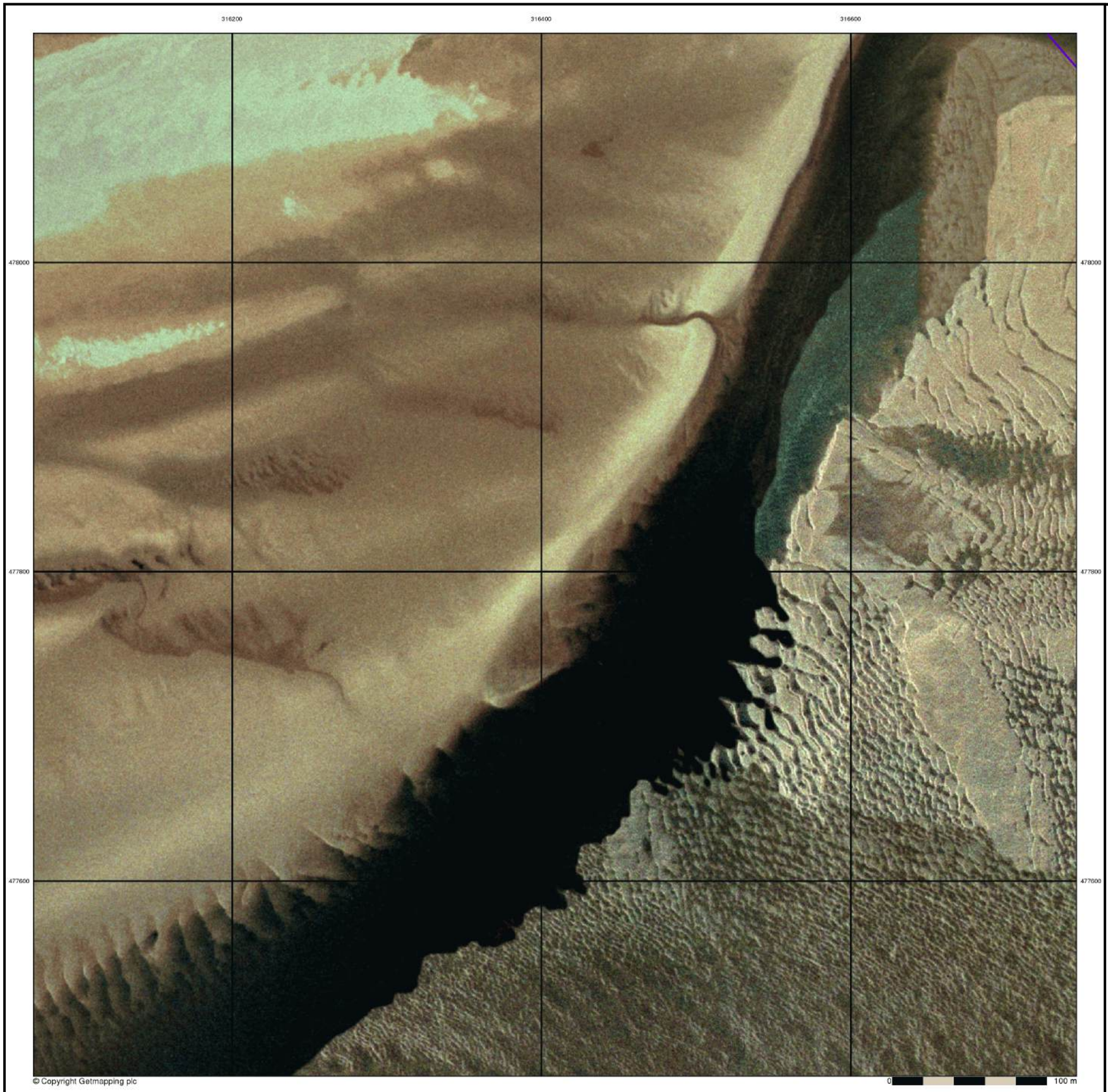


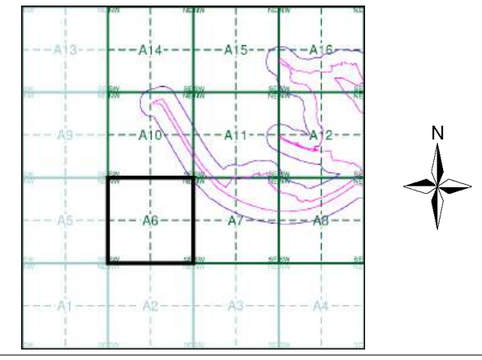
curtins

Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A6



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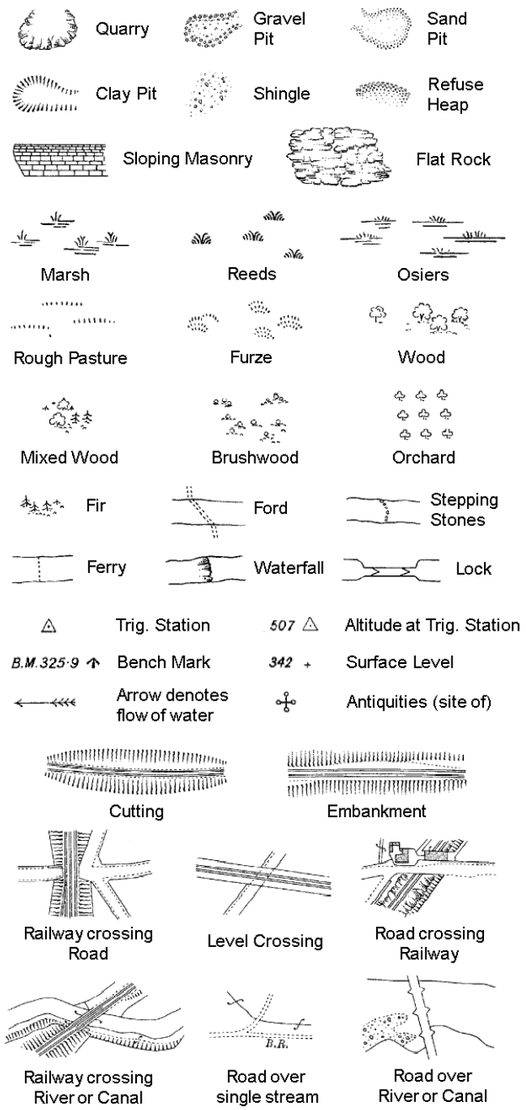
Historical Mapping Legends

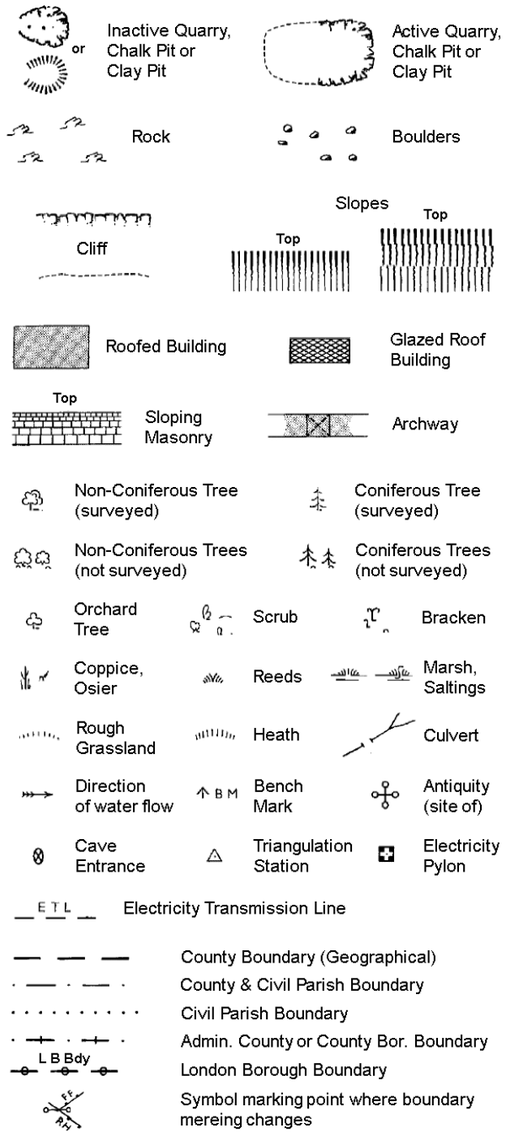
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

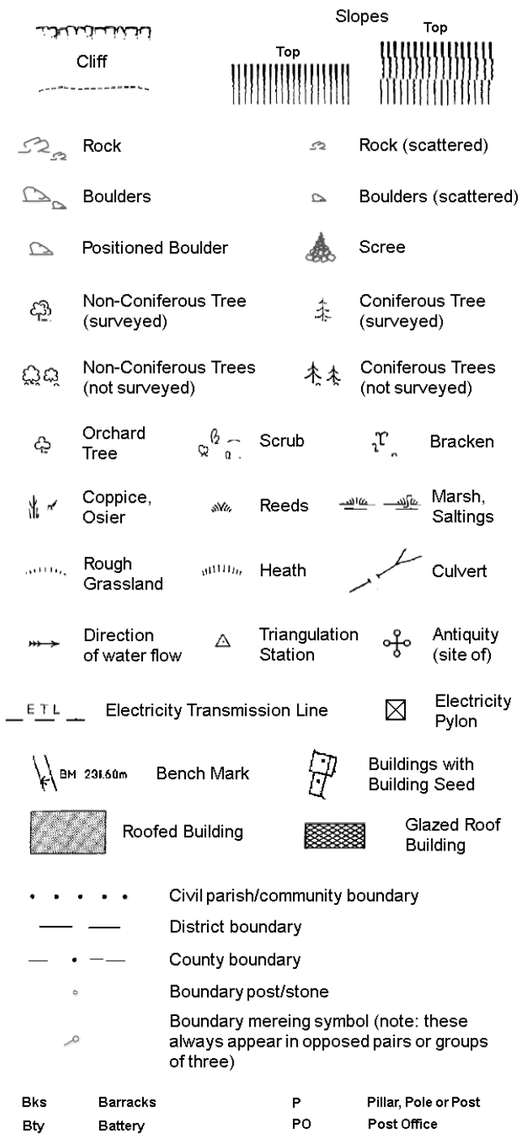
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

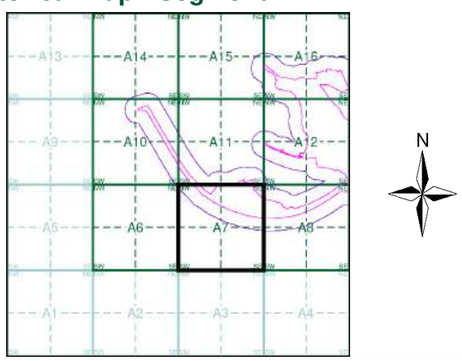
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

curtins

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cumberland	1:2,500	1862	2
Cumberland	1:2,500	1898	3
Cumberland	1:2,500	1924	4
Ordnance Survey Plan	1:2,500	1969	5
Additional SIMs	1:2,500	1981 - 1987	6
Additional SIMs	1:2,500	1987	7
Additional SIMs	1:2,500	1989	8
Large-Scale National Grid Data	1:2,500	1994	9
Large-Scale National Grid Data	1:2,500	1996	10
Historical Aerial Photography	1:2,500	2000	11

Historical Map - Segment A7



Order Details

Order Number: 307697430_1_1
Customer Ref: No. 4229
National Grid Reference: 316920, 478320
Slice: A
Site Area (Ha): 57.66
Search Buffer (m): 100

Site Details

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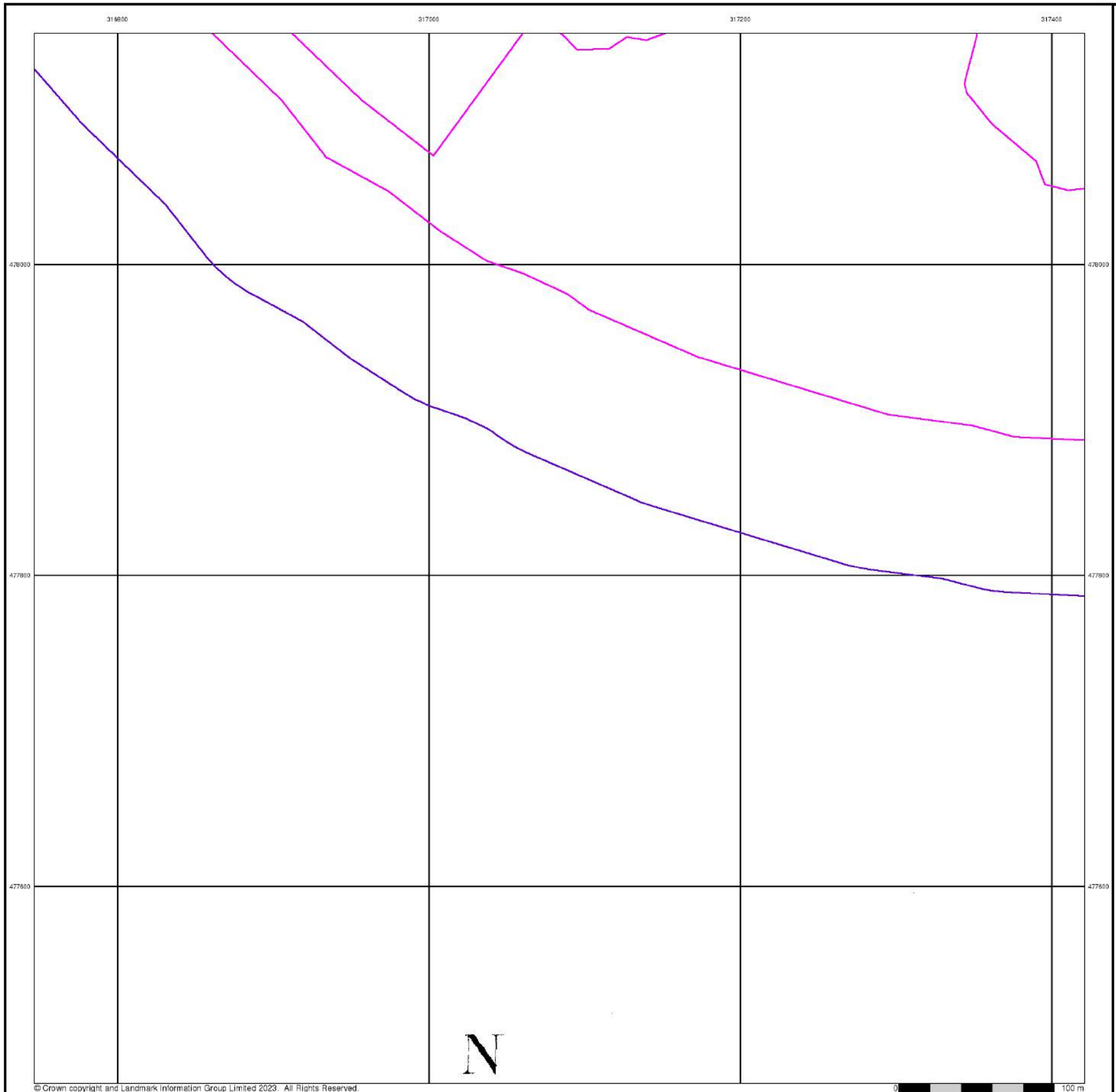


curtins

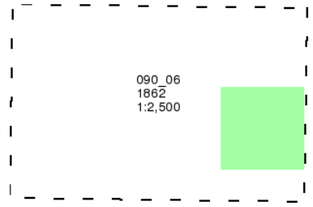
Cumberland

Published 1862

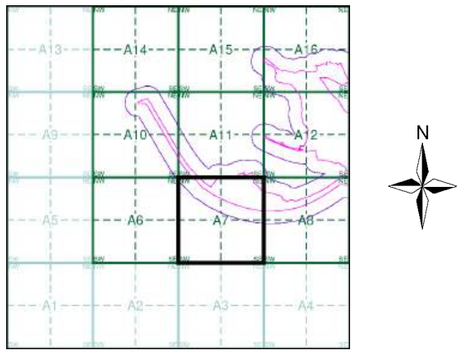
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A7



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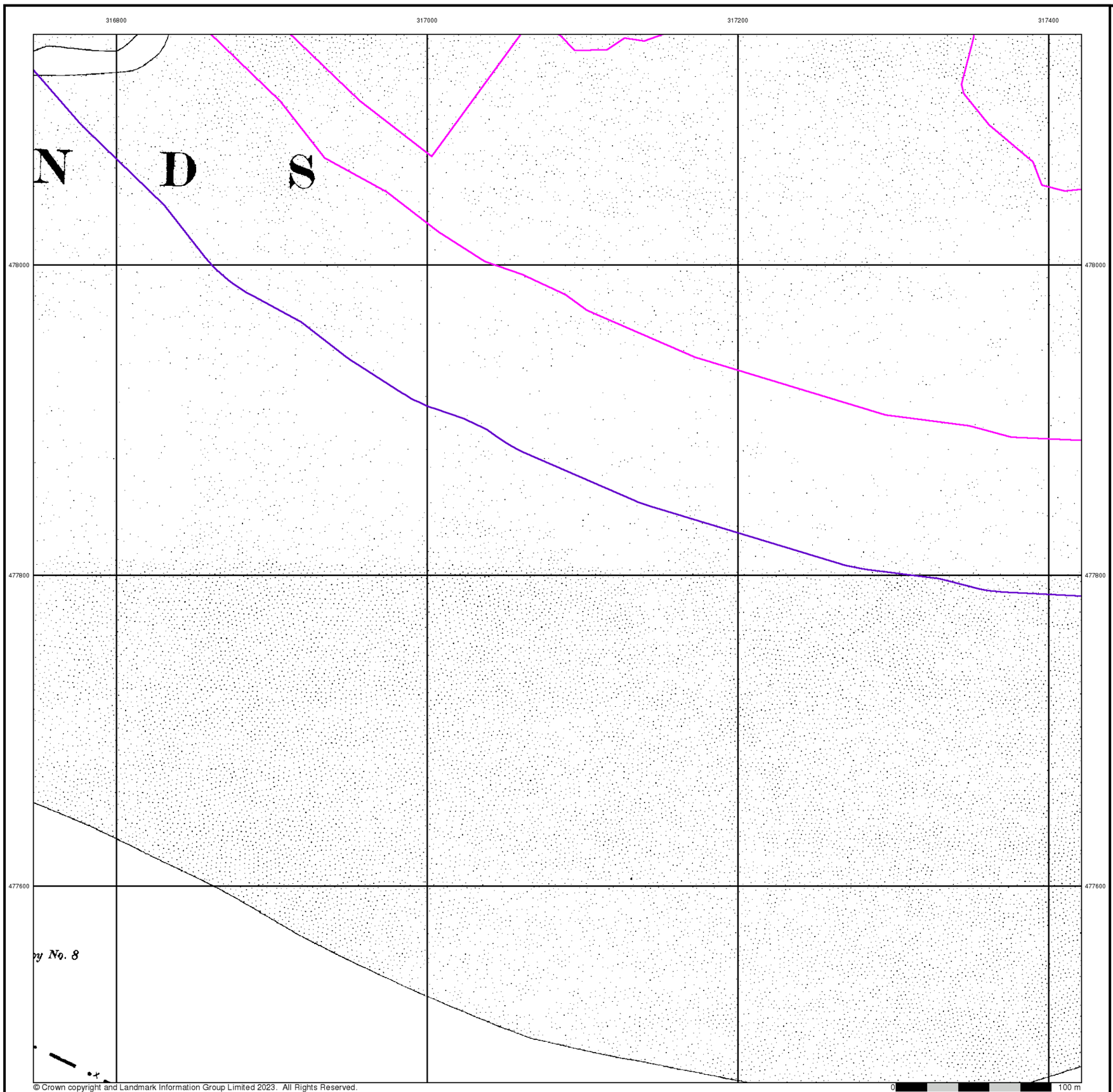

0 100 m

curtins

Cumberland

Published 1898

Source map scale - 1:2,500

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

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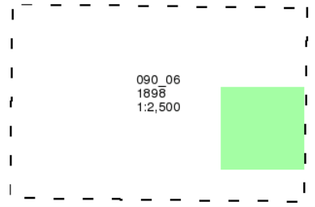
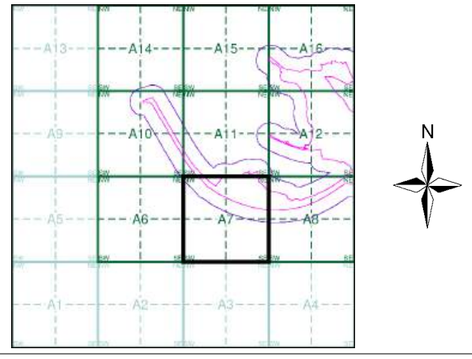


Historical Map - Segment A7



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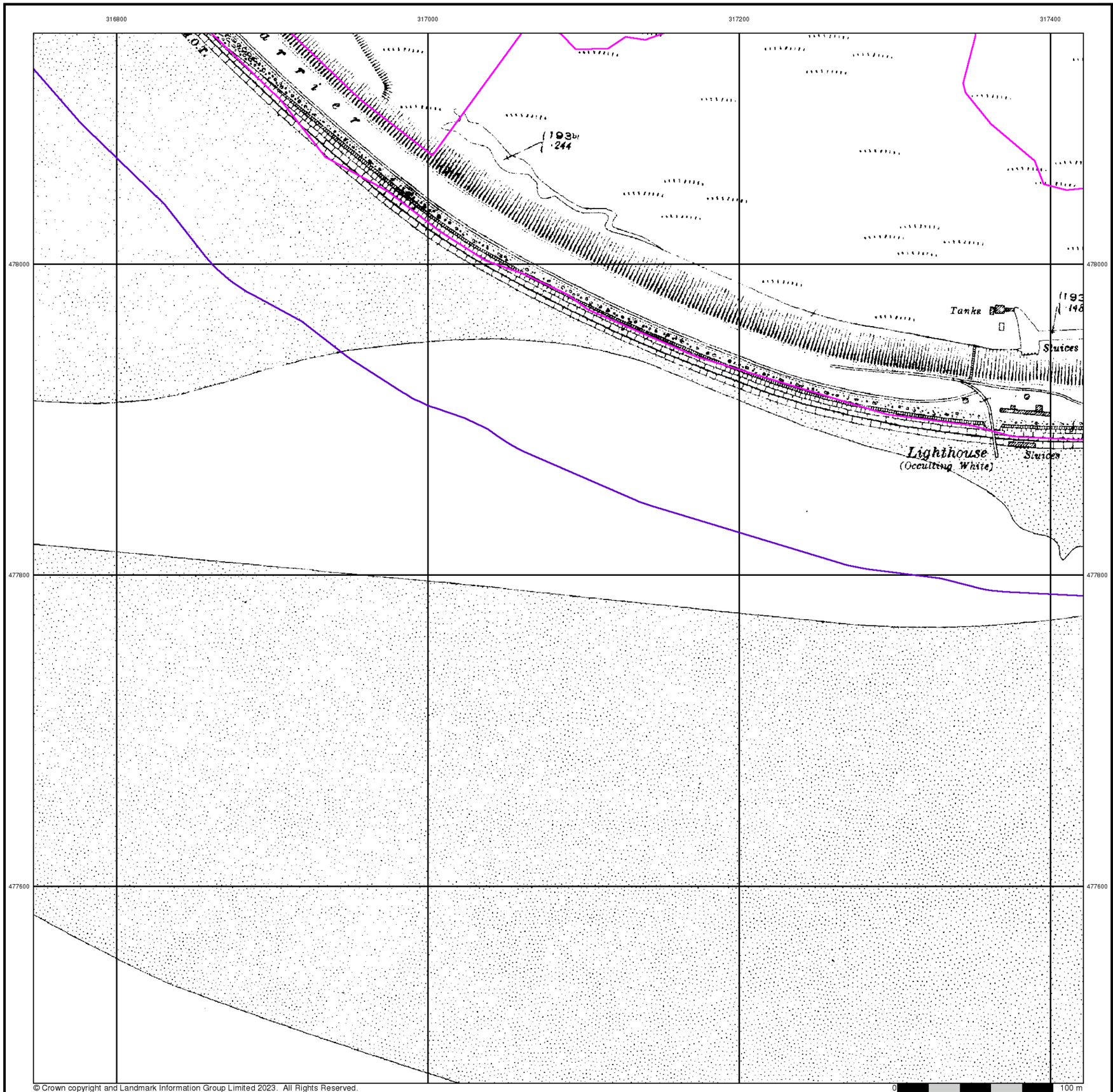

curtins

Cumberland

Published 1924

Source map scale - 1:2,500

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

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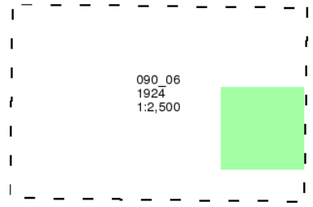
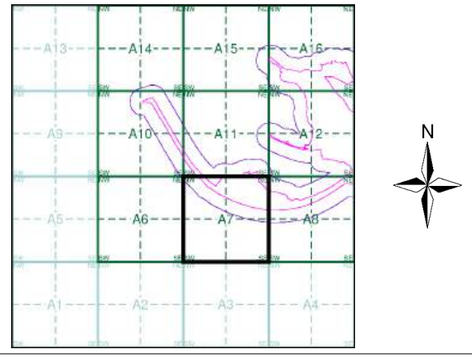


Historical Map - Segment A7



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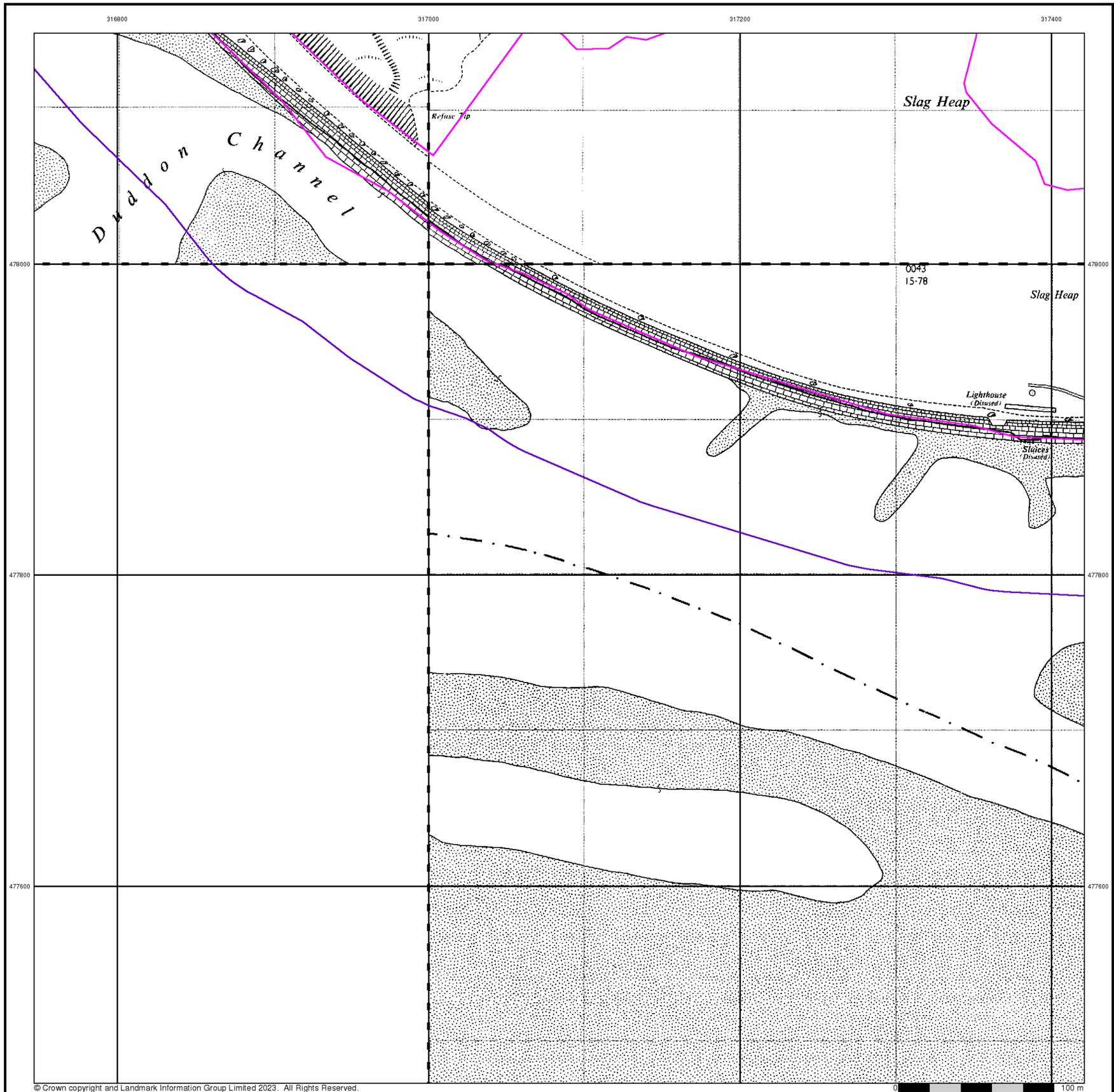

curtins

Ordnance Survey Plan

Published 1969

Source map scale - 1:2,500

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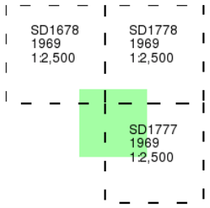
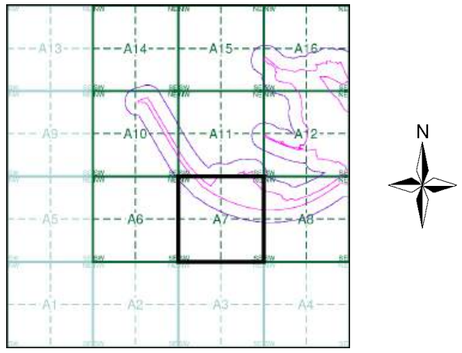


Historical Map - Segment A7



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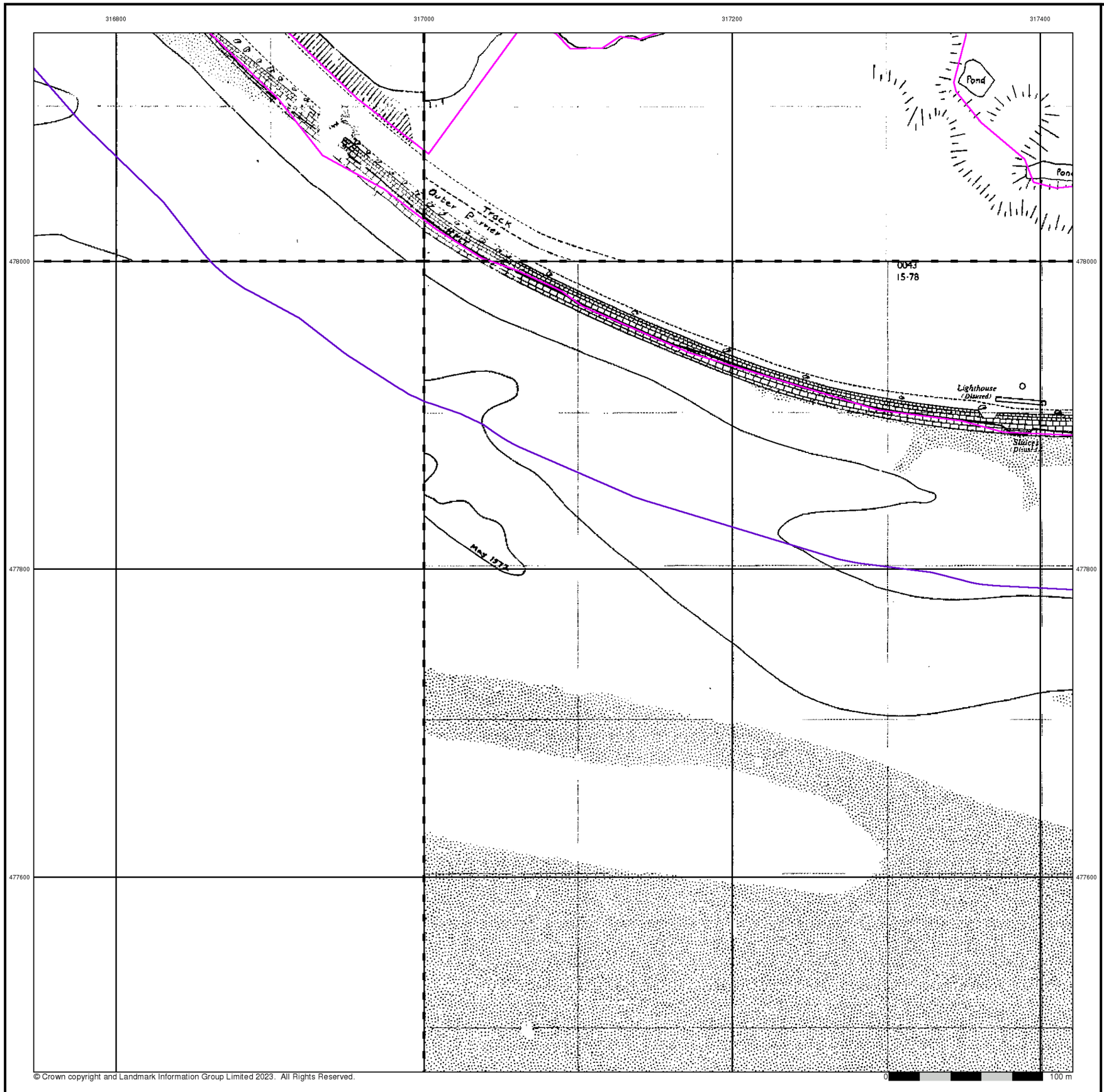


curtins

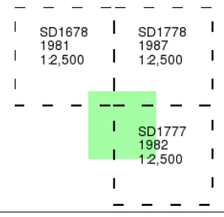
Additional SIMs

Published 1981 - 1987

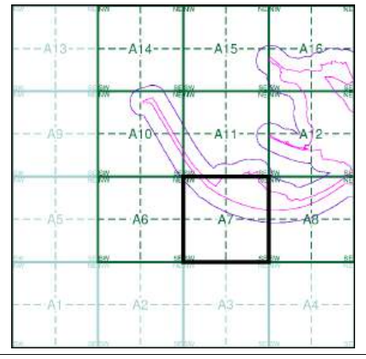
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A7



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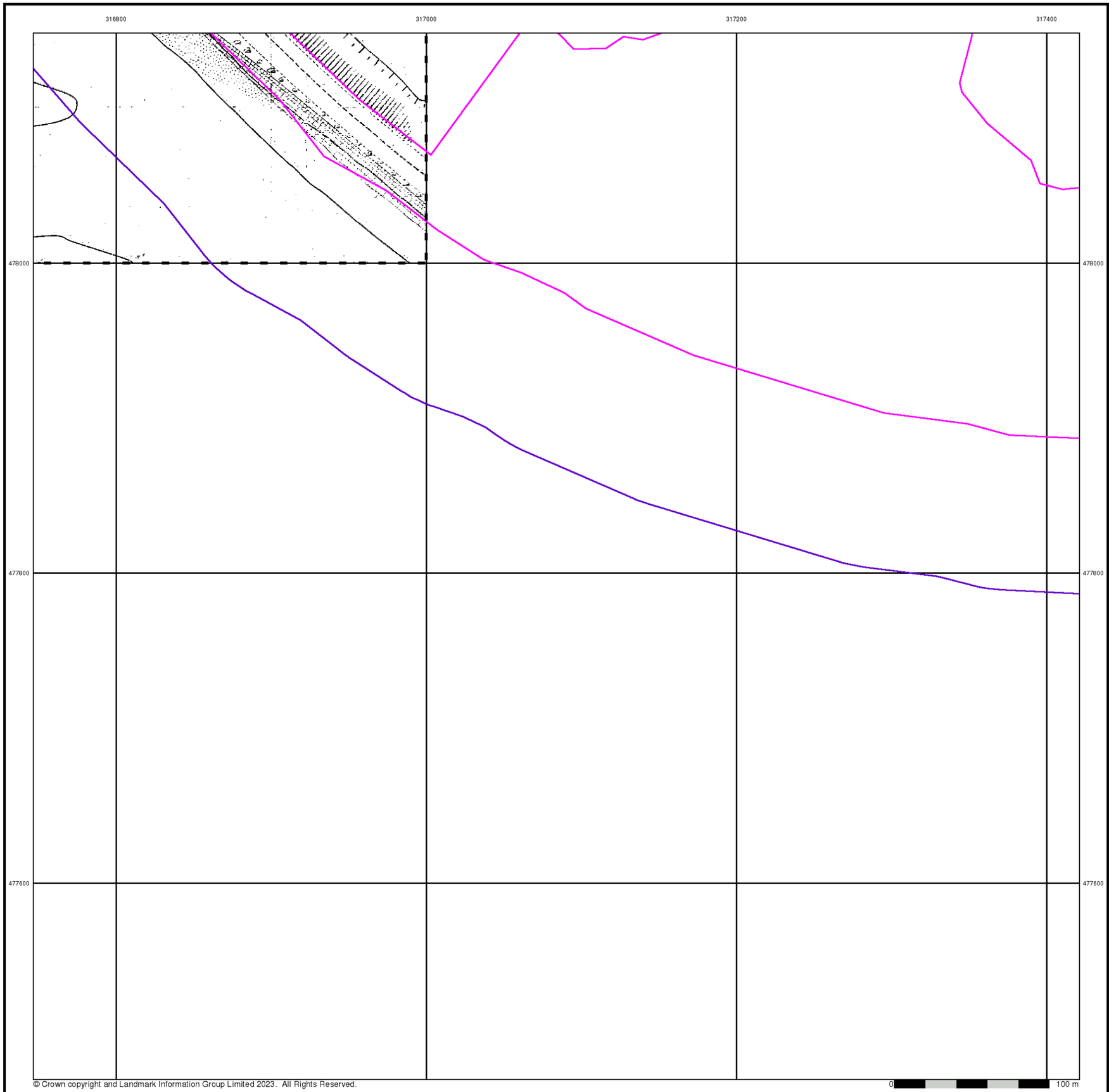


curtins

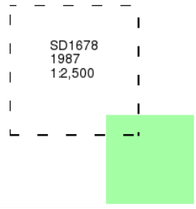
Additional SIMs

Published 1987

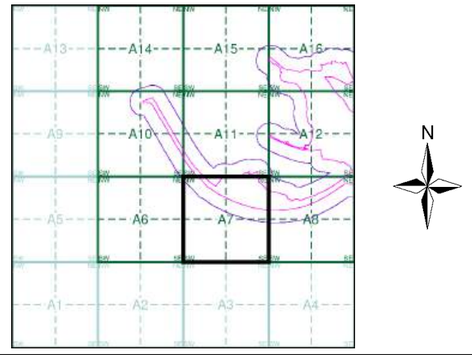
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A7



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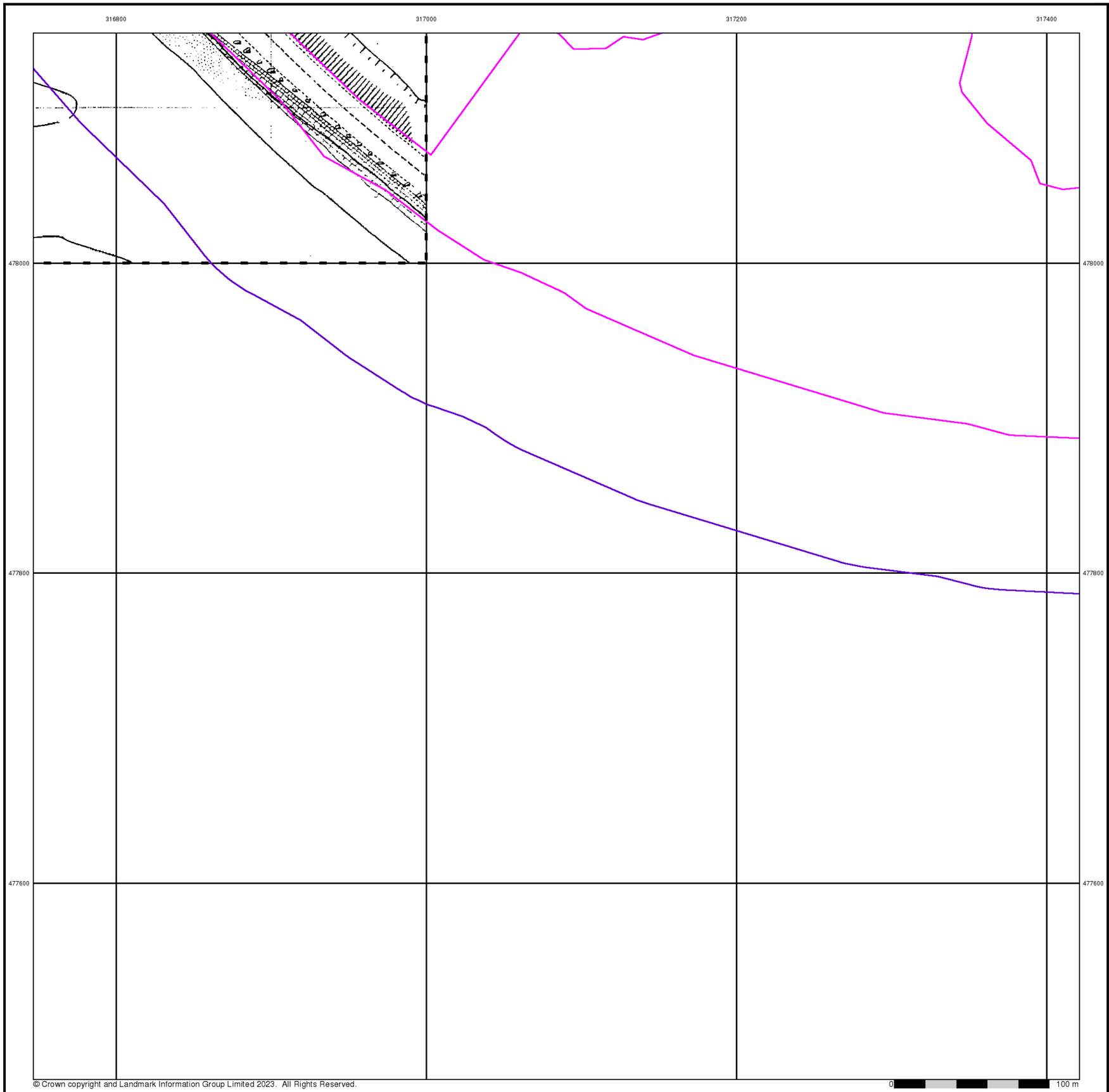


curtins

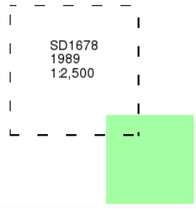
Additional SIMs

Published 1989

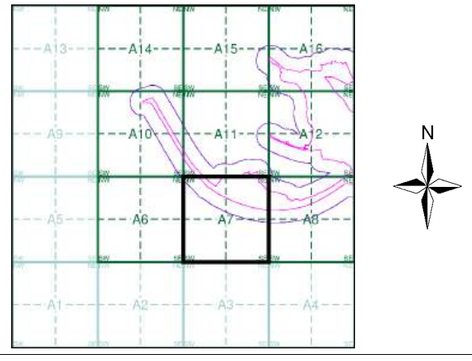
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A7



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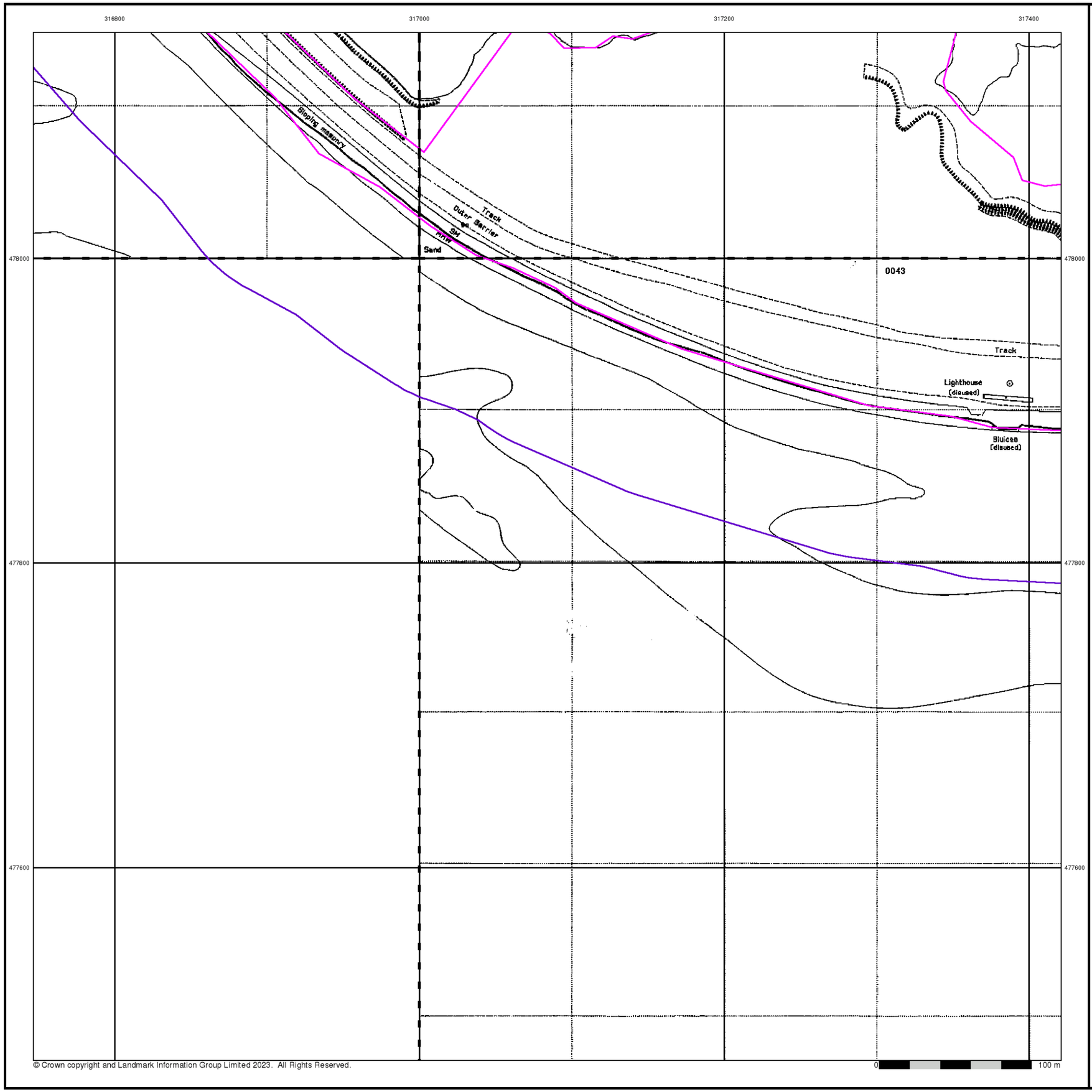


curtins

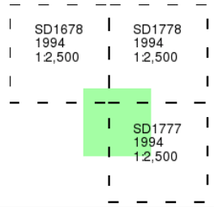
Large-Scale National Grid Data

Published 1994

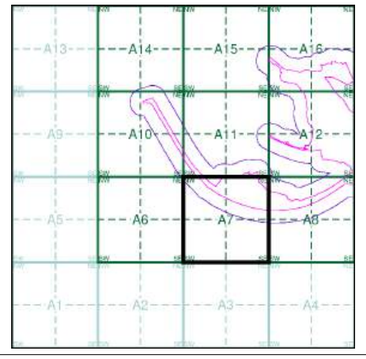
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A7



Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

Landmark INFORMATION GROUP
Tel: 0844 844 9952
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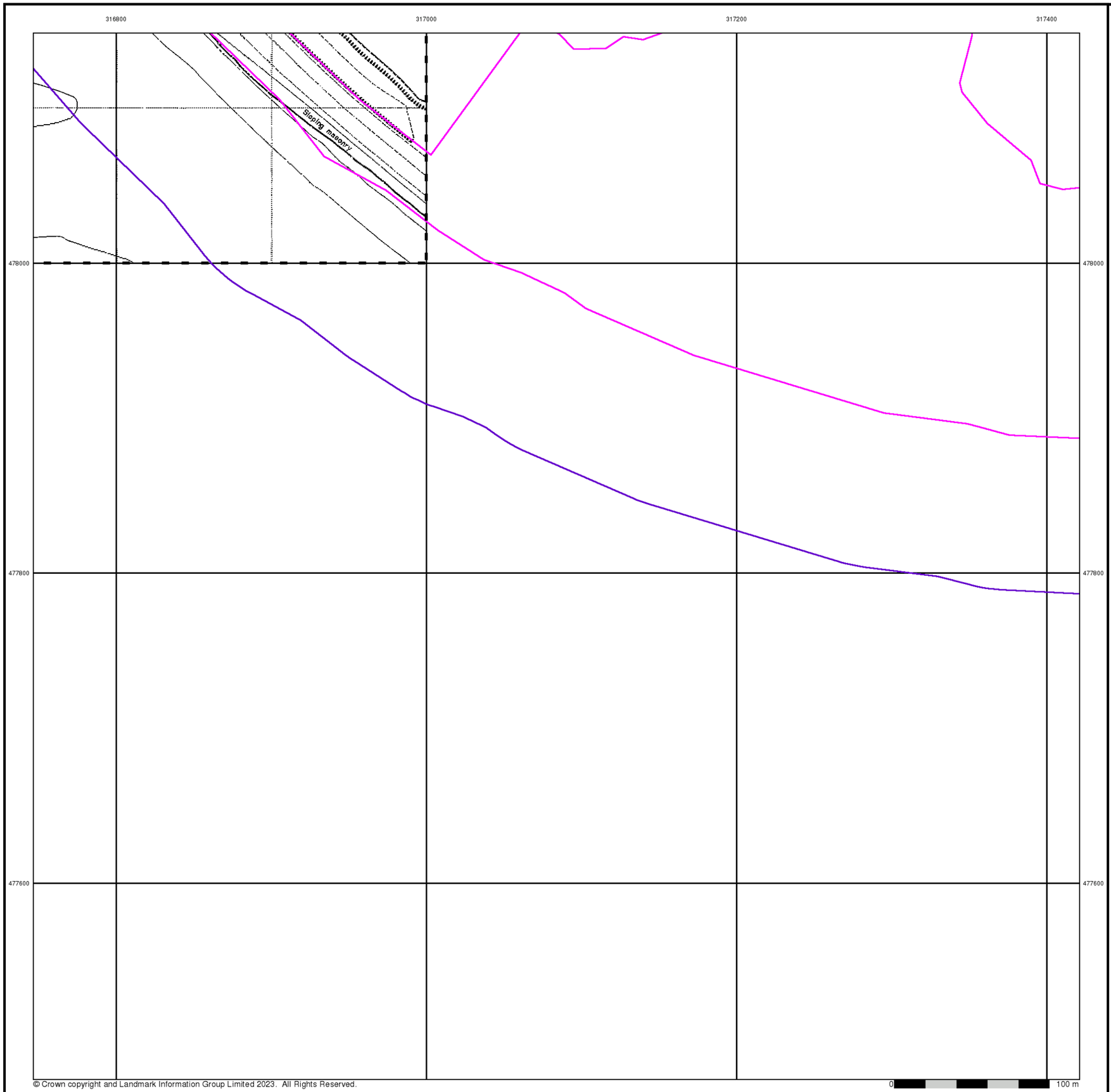
Web: www.envirocheck.co.uk



curtins

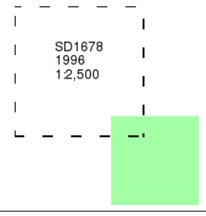
Large-Scale National Grid Data

Published 1996

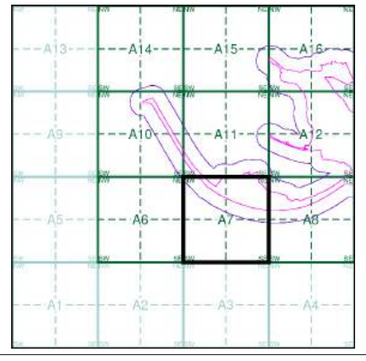
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A7



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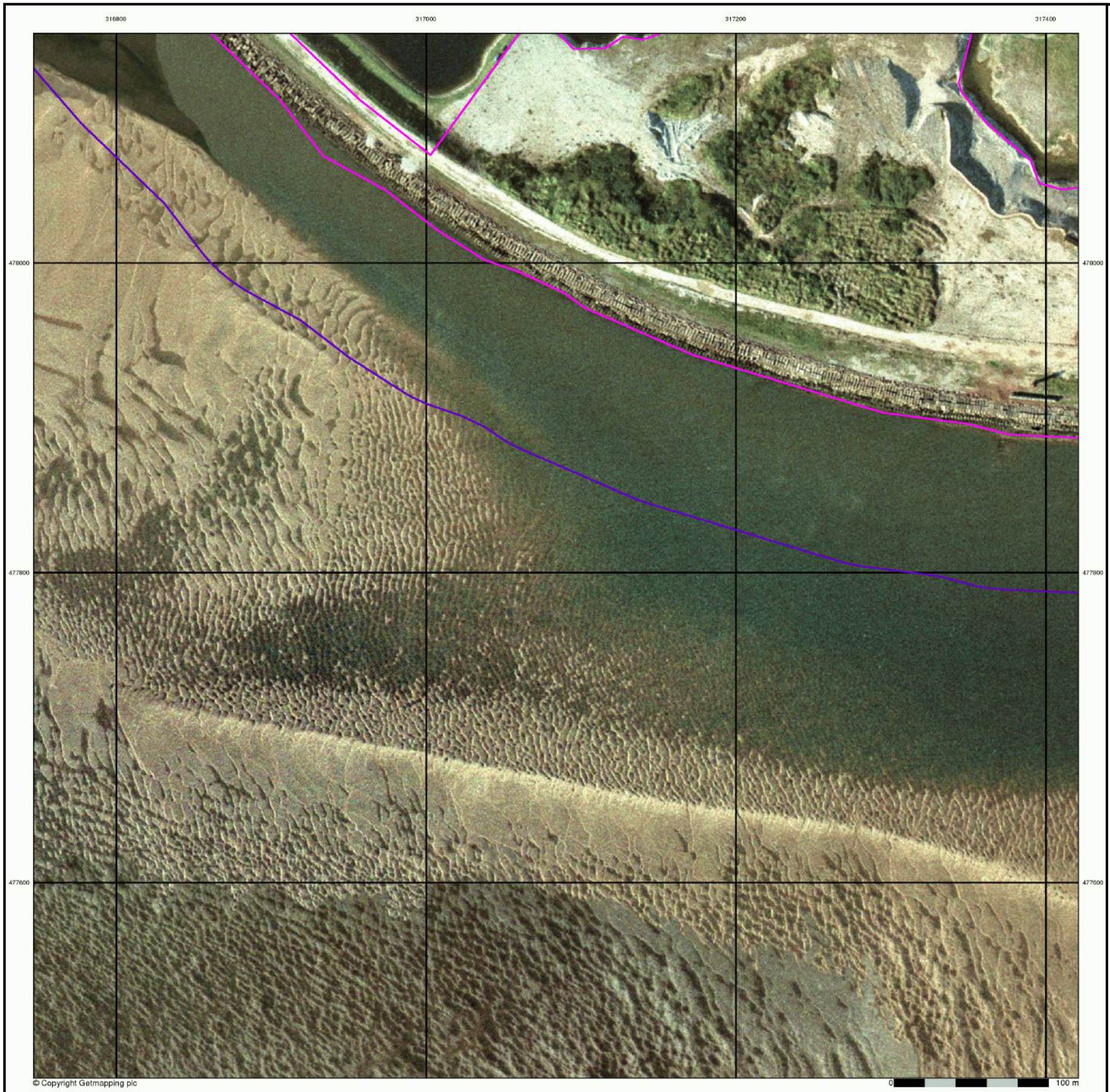


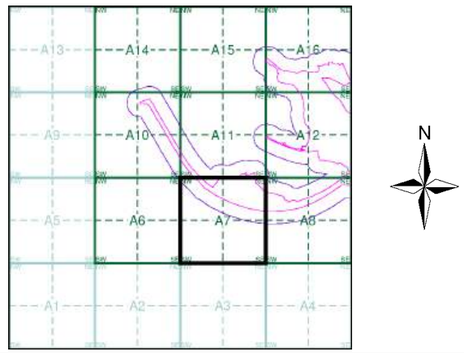
curtins

Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A7



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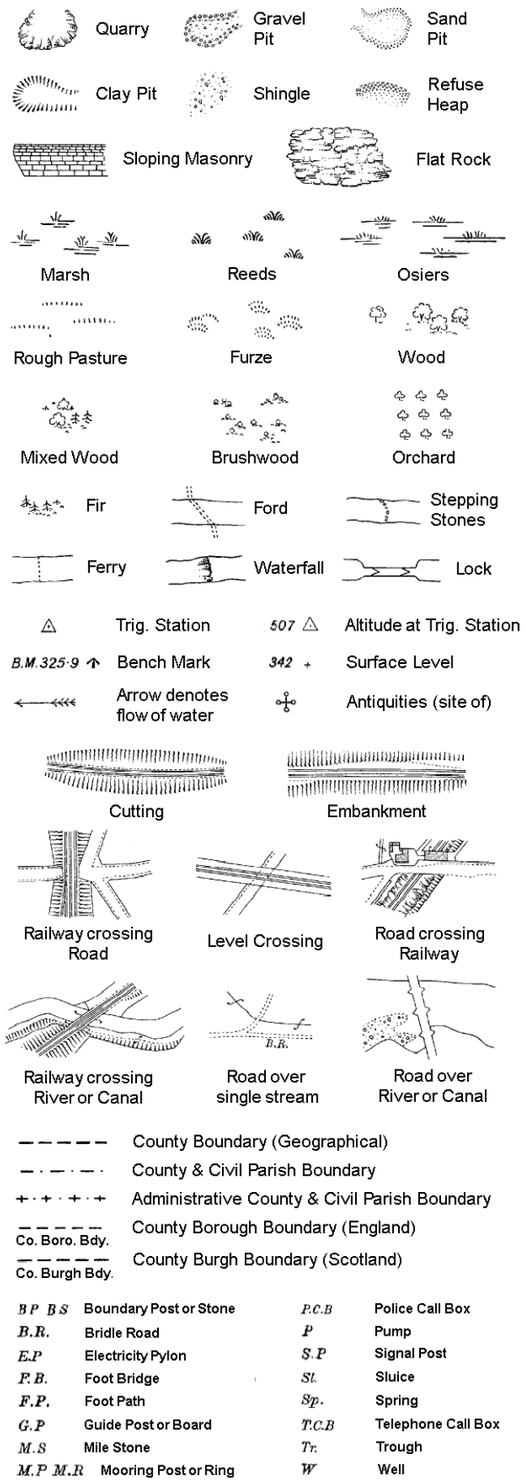
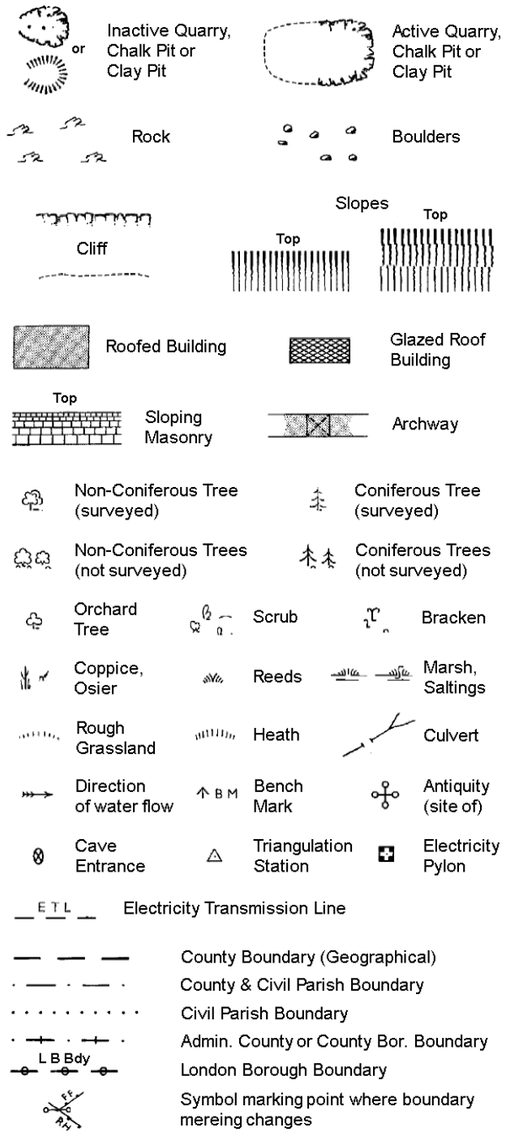
Historical Mapping Legends

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



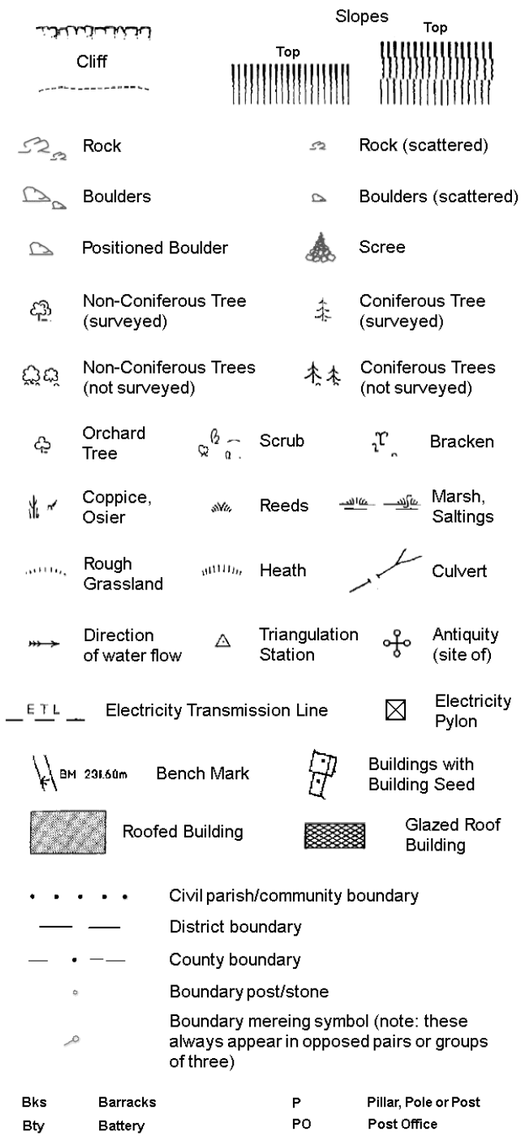
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	Sl.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



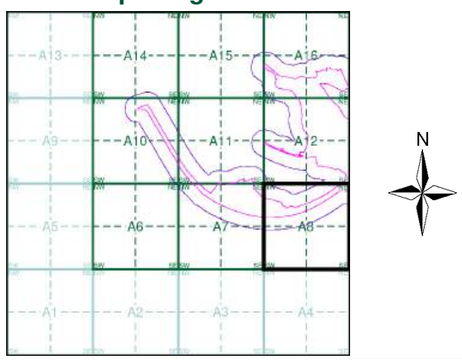
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

curtins

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cumberland	1:2,500	1862	2
Lancashire And Furness	1:2,500	1891	3
Cumberland	1:2,500	1898	4
Cumberland	1:2,500	1924	5
Ordnance Survey Plan	1:2,500	1969	6
Additional SIMs	1:2,500	1982 - 1987	7
Large-Scale National Grid Data	1:2,500	1994	8
Historical Aerial Photography	1:2,500	2000	9

Historical Map - Segment A8



Order Details

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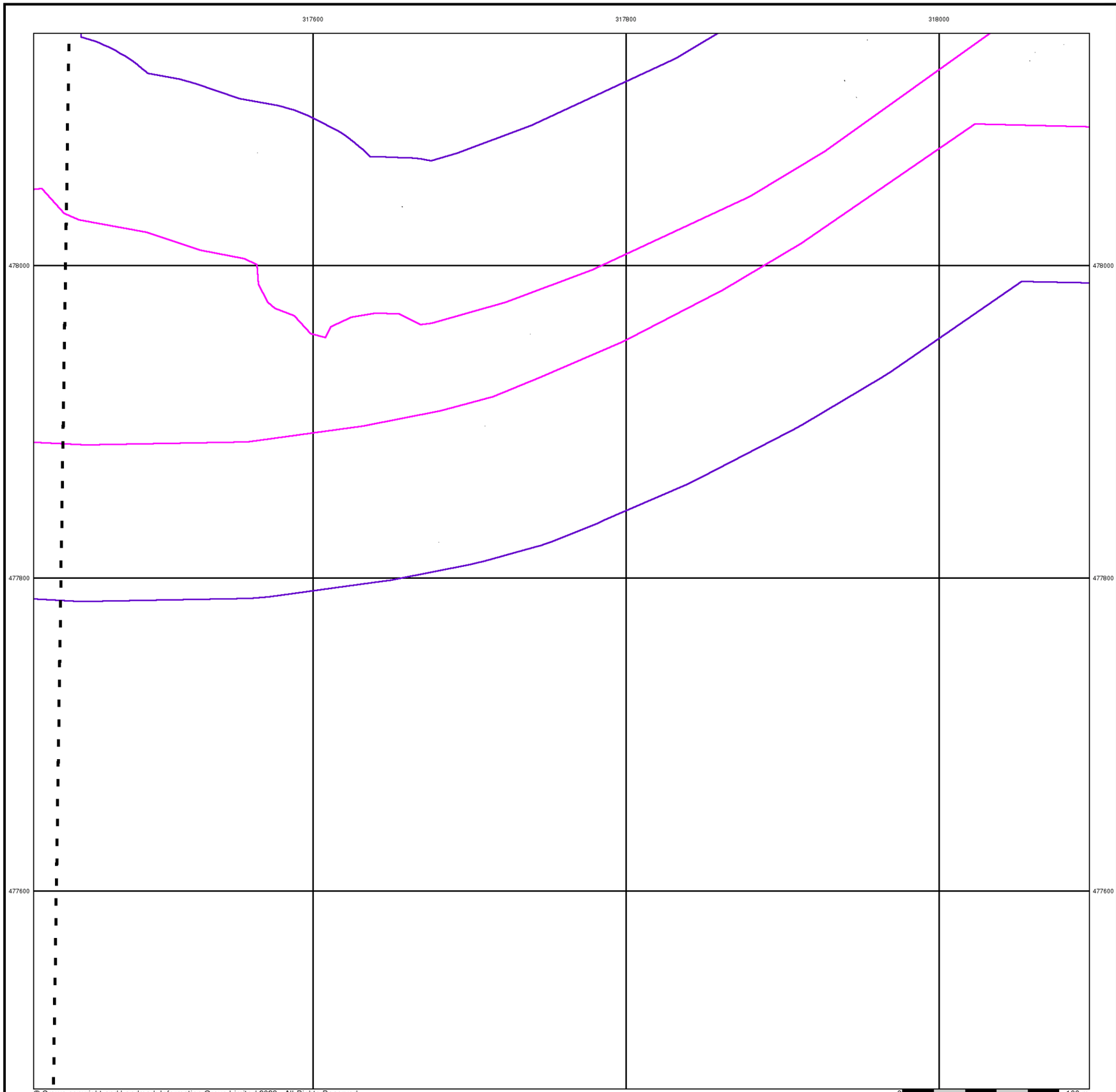


curtins

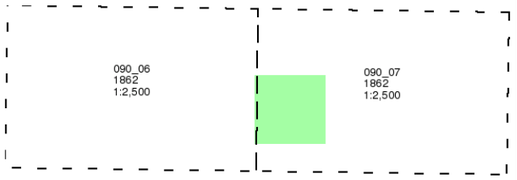
Cumberland

Published 1862

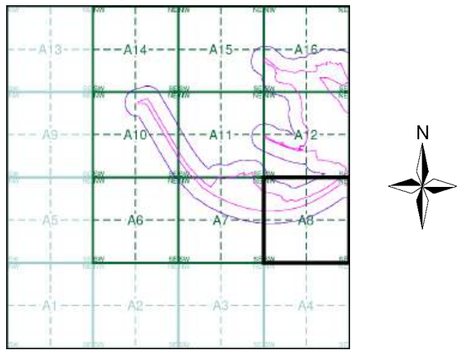
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A8



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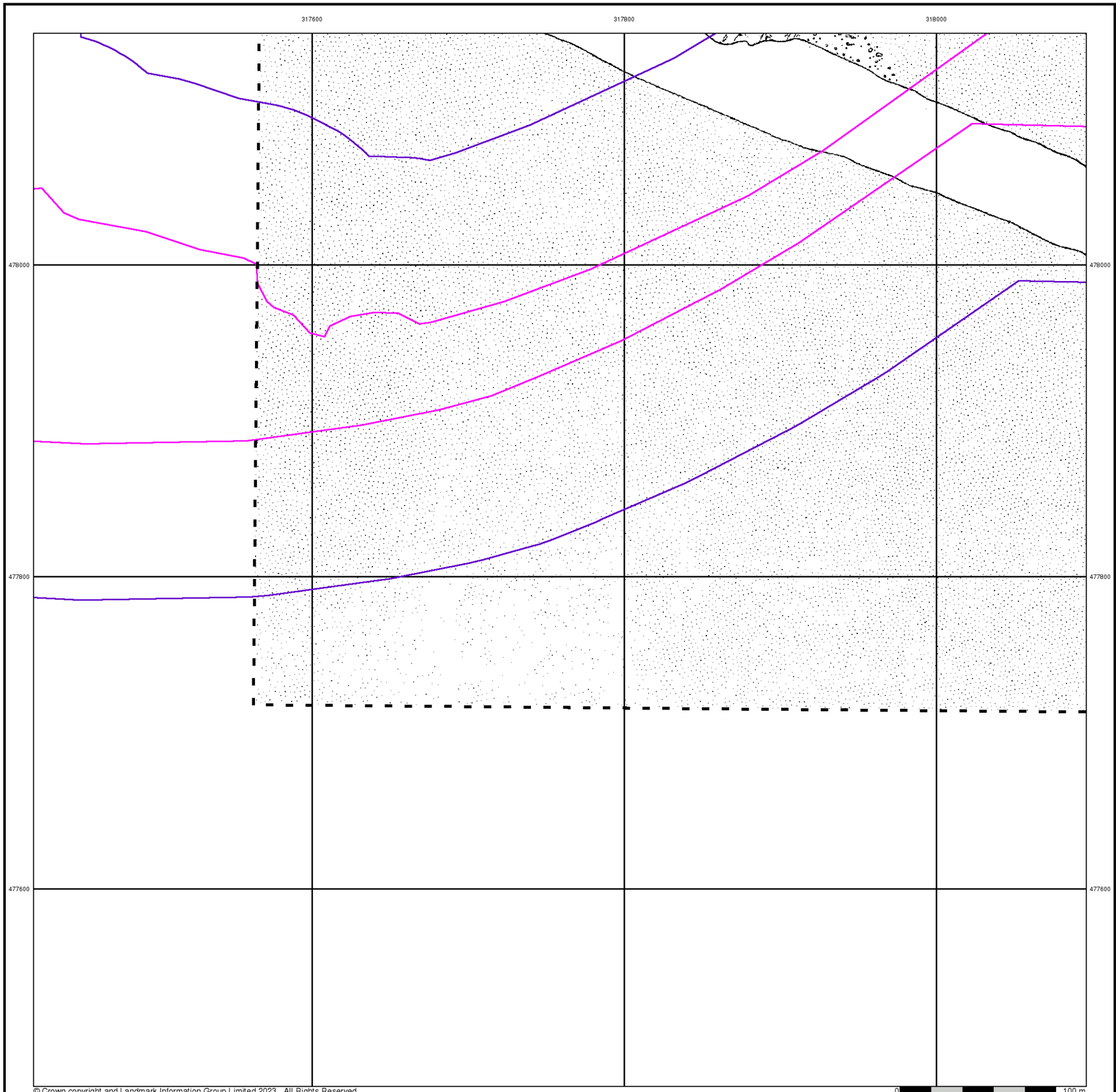

curtins

Lancashire And Furness

Published 1891

Source map scale - 1:2,500

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

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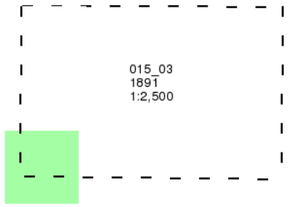
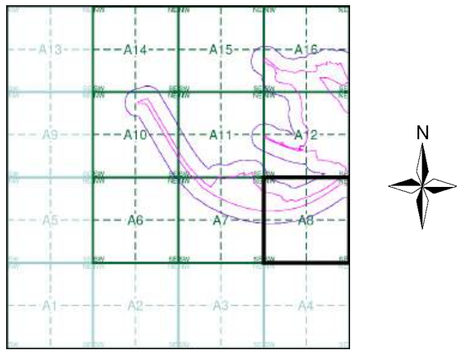


Historical Map - Segment A8



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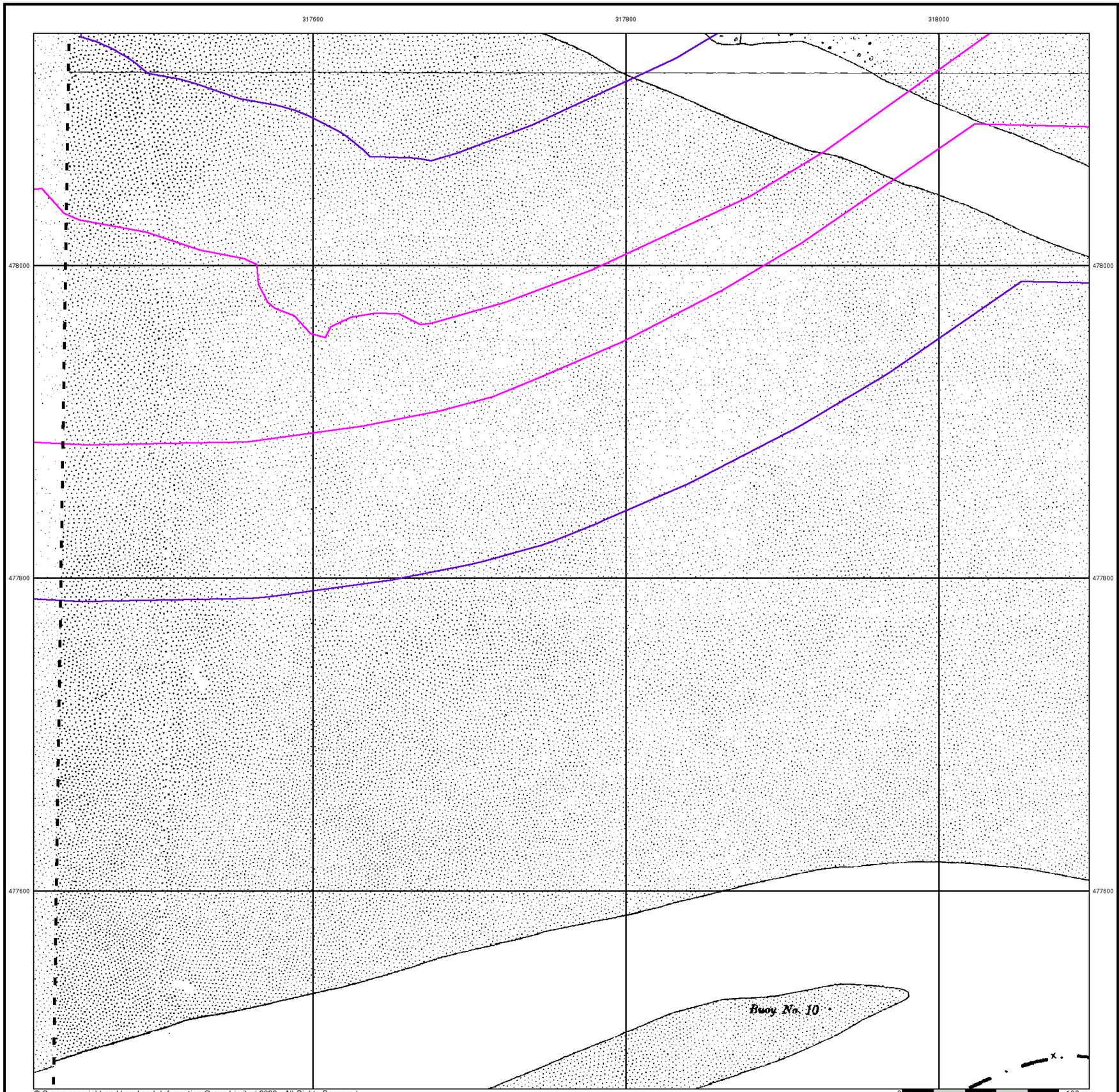

curtins

Cumberland

Published 1898

Source map scale - 1:2,500

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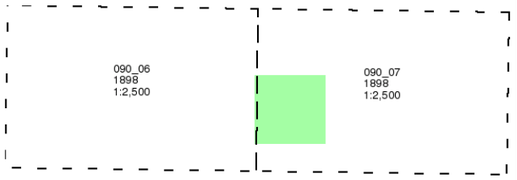
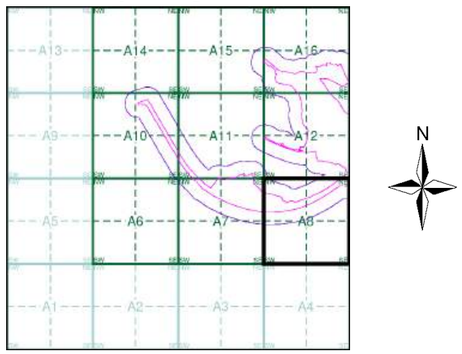


Historical Map - Segment A8



Order Details

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Slice:	A
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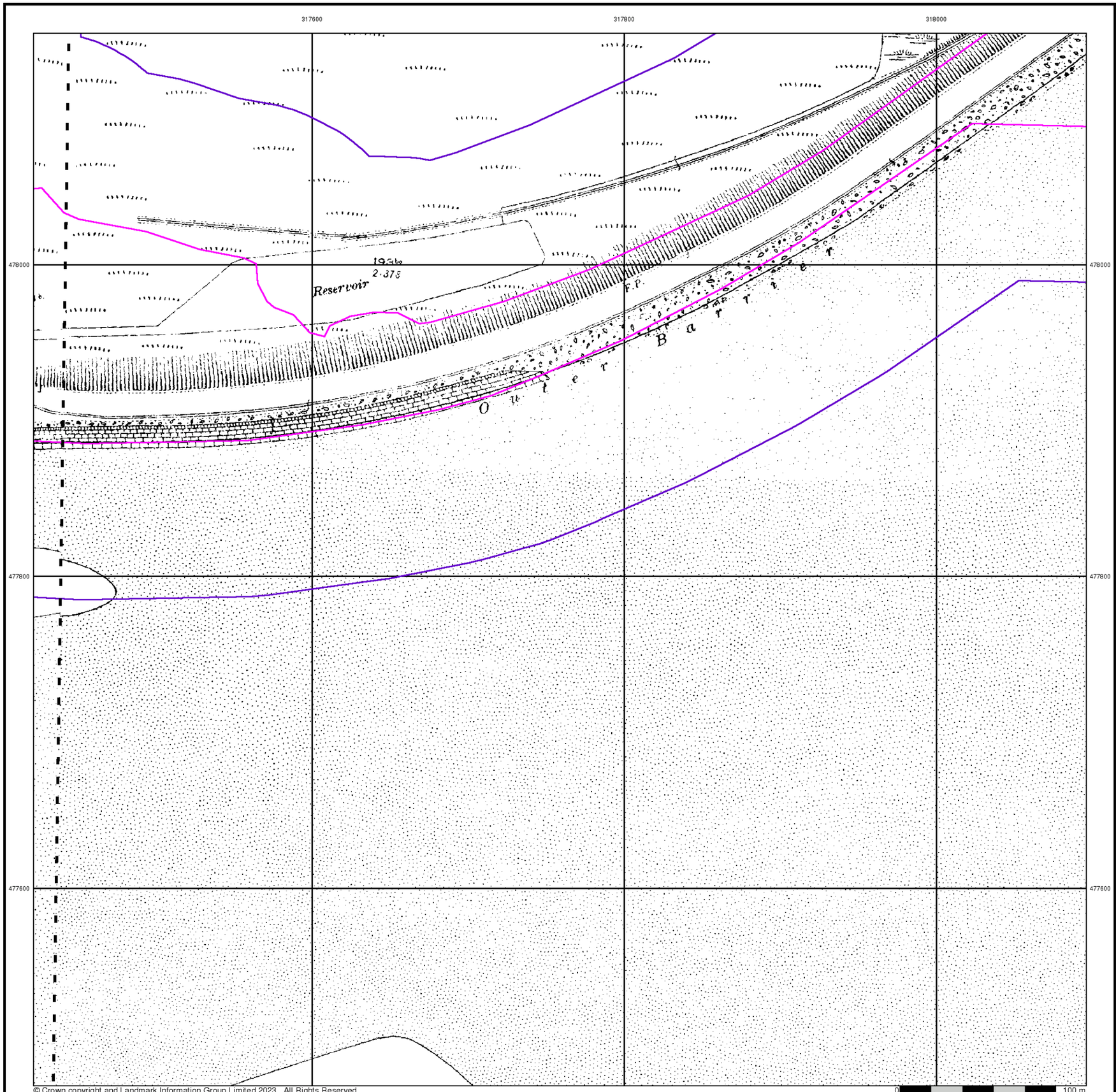

curtins

Cumberland

Published 1924

Source map scale - 1:2,500

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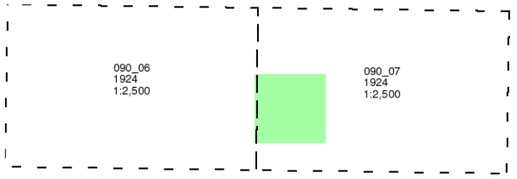
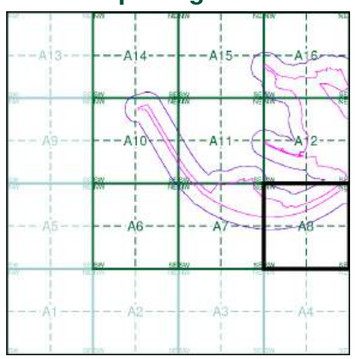


Historical Map - Segment A8



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Site Details

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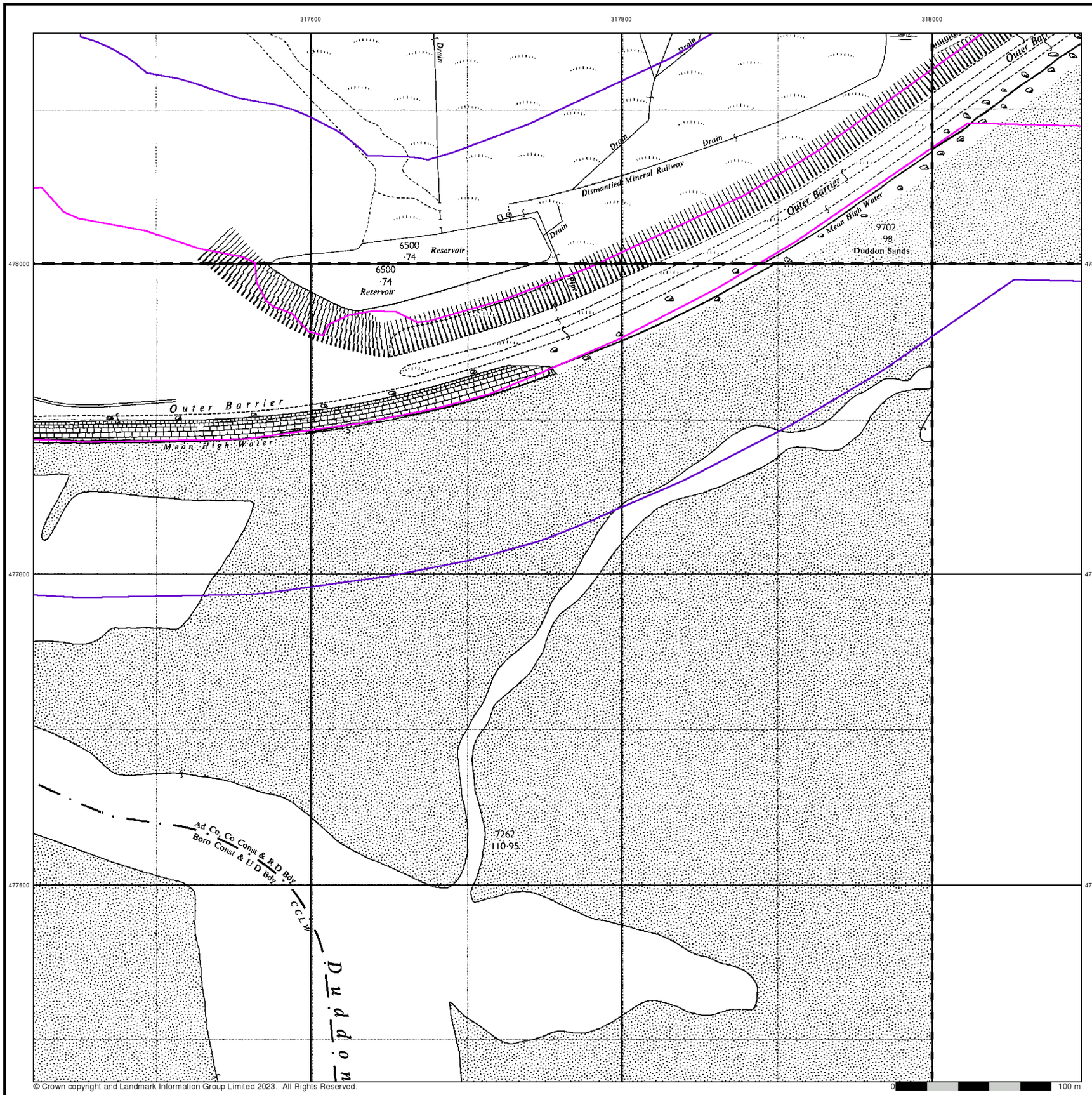

curtins

Ordnance Survey Plan

Published 1969

Source map scale - 1:2,500

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

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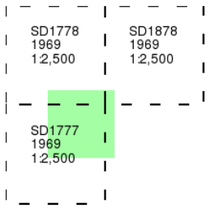
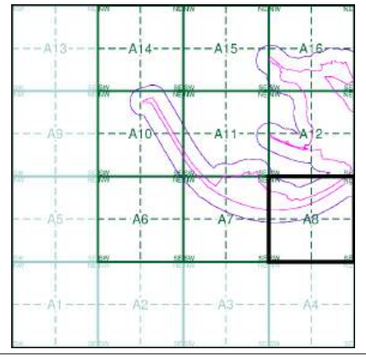


Historical Map - Segment A8



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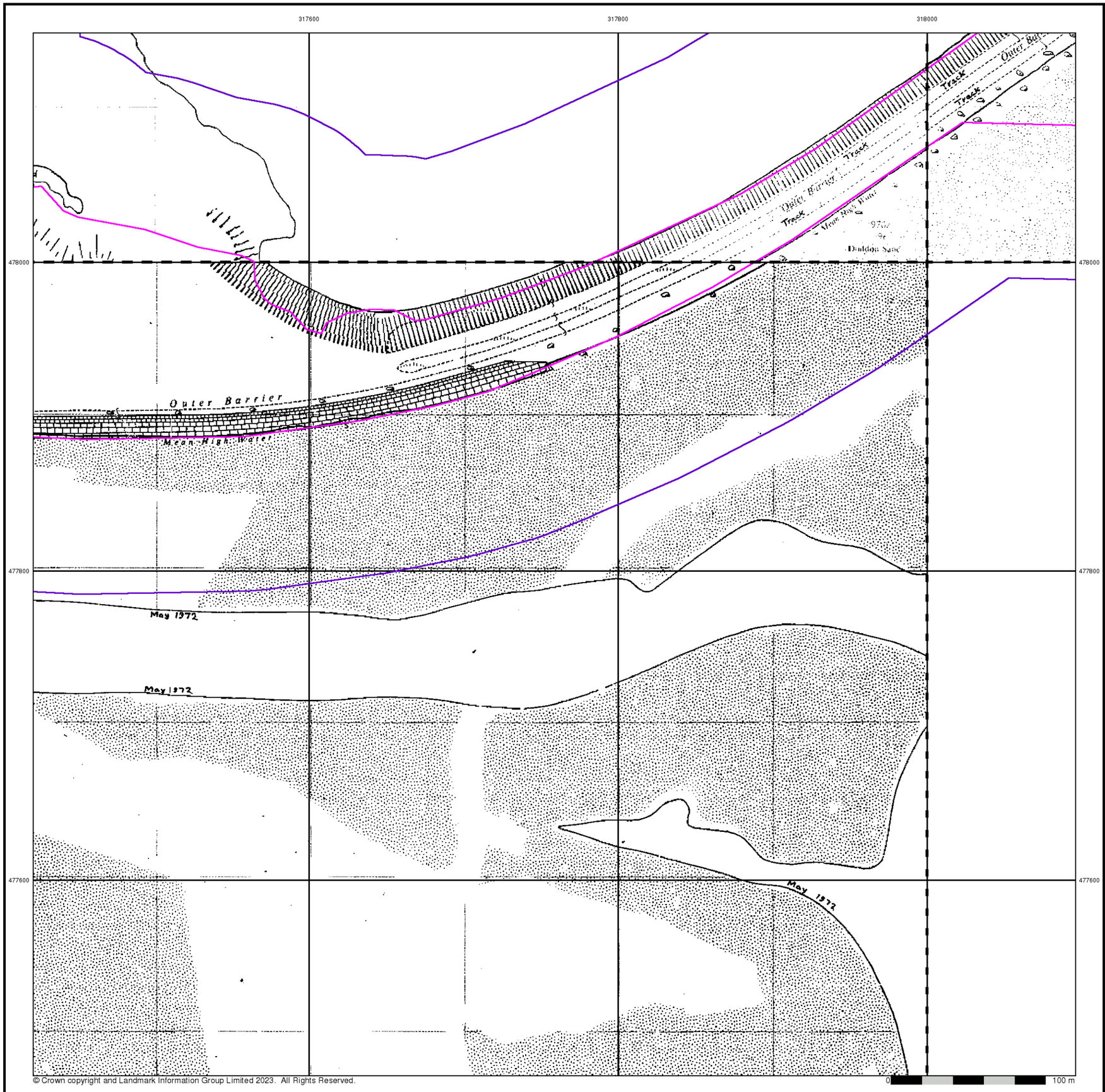


curtins

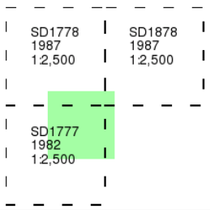
Additional SIMs

Published 1982 - 1987

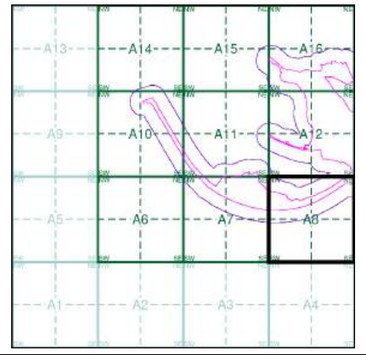
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A8



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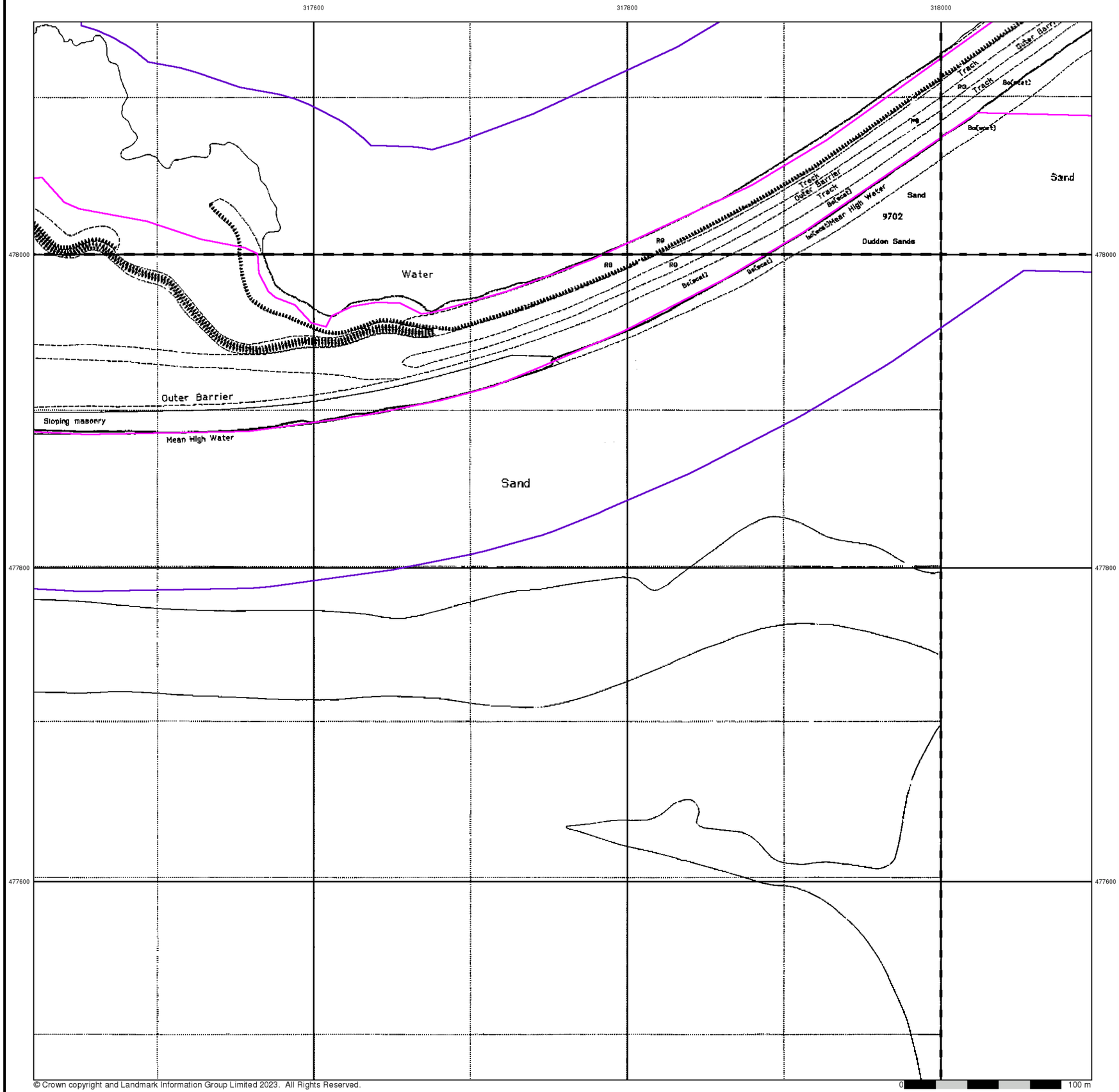


curtins

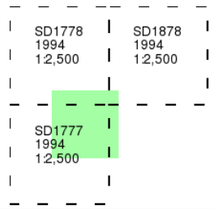
Large-Scale National Grid Data

Published 1994

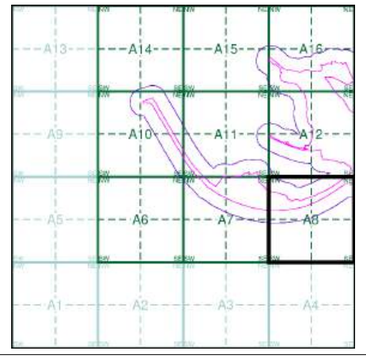
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A8



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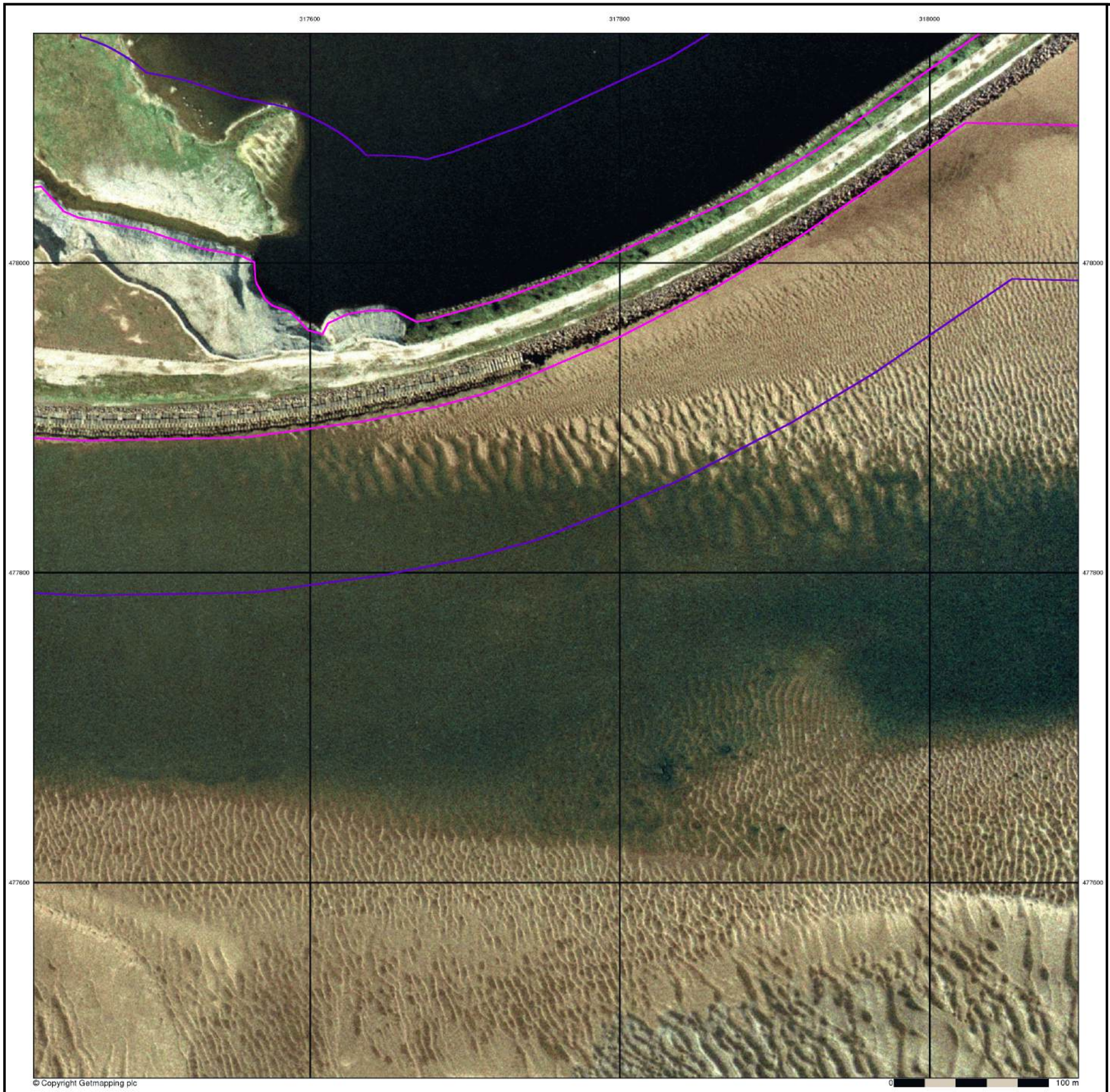


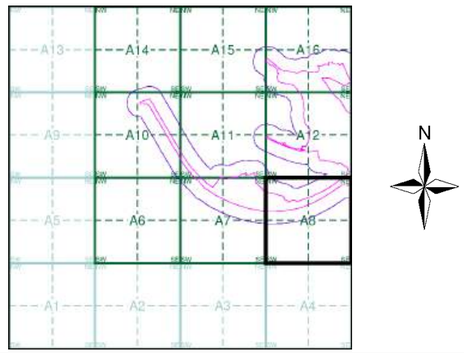
curtins

Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A8



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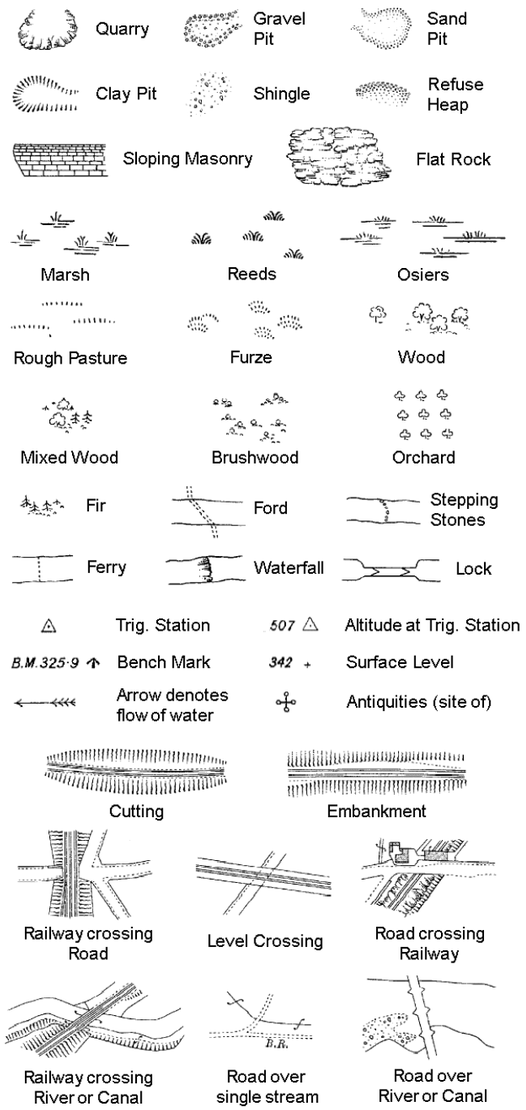
The Gin Mill, Steel Green, MILLOM, LA18 4LG

Landmark INFORMATION GROUP

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

Historical Mapping Legends

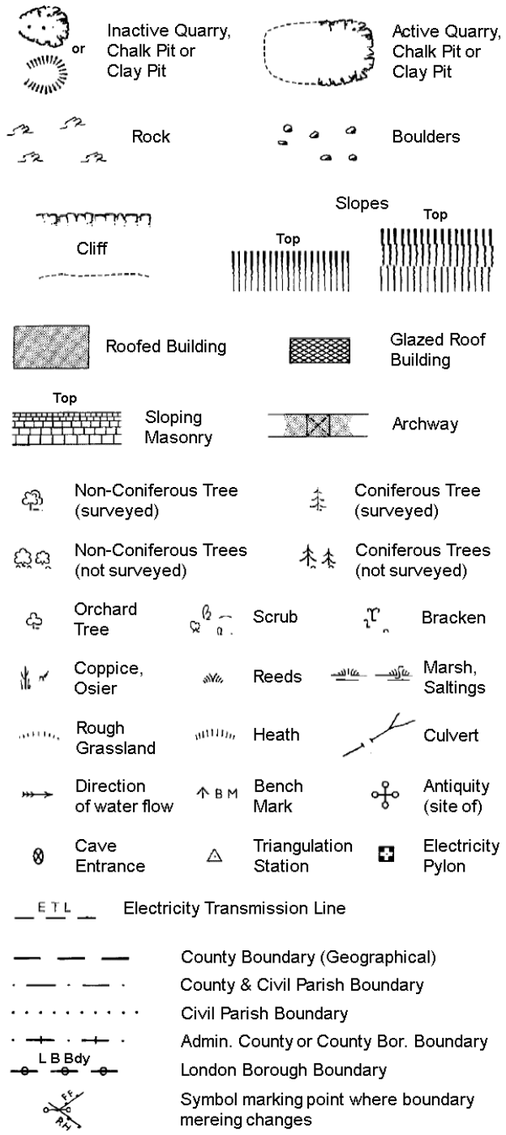
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

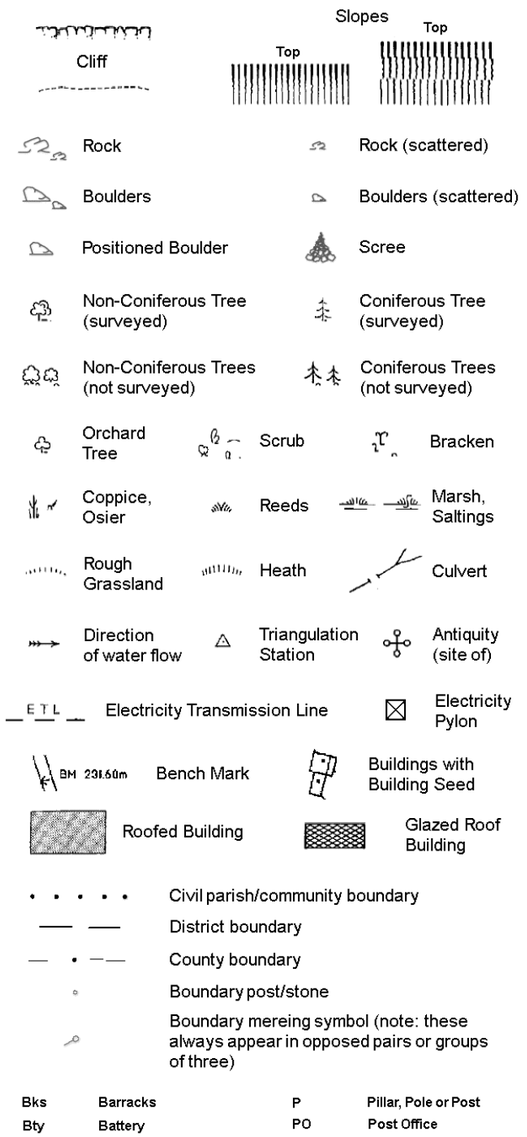
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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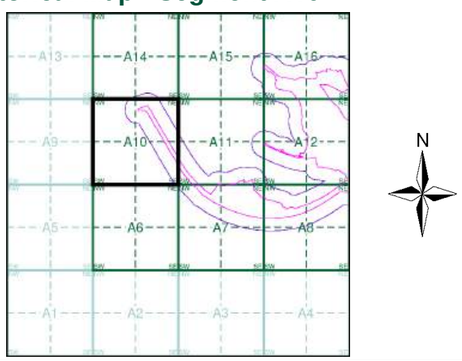
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cumberland	1:2,500	1862	2
Cumberland	1:2,500	1898 - 1899	3
Cumberland	1:2,500	1924	4
Ordnance Survey Plan	1:2,500	1969	5
Additional SIMs	1:2,500	1981	6
Additional SIMs	1:2,500	1987	7
Additional SIMs	1:2,500	1989	8
Large-Scale National Grid Data	1:2,500	1994	9
Large-Scale National Grid Data	1:2,500	1996	10
Historical Aerial Photography	1:2,500	2000	11

Historical Map - Segment A10



Order Details

Order Number: 307697430_1_1
Customer Ref: No. 4229
National Grid Reference: 316920, 478320
Slice: A
Site Area (Ha): 57.66
Search Buffer (m): 100

Site Details

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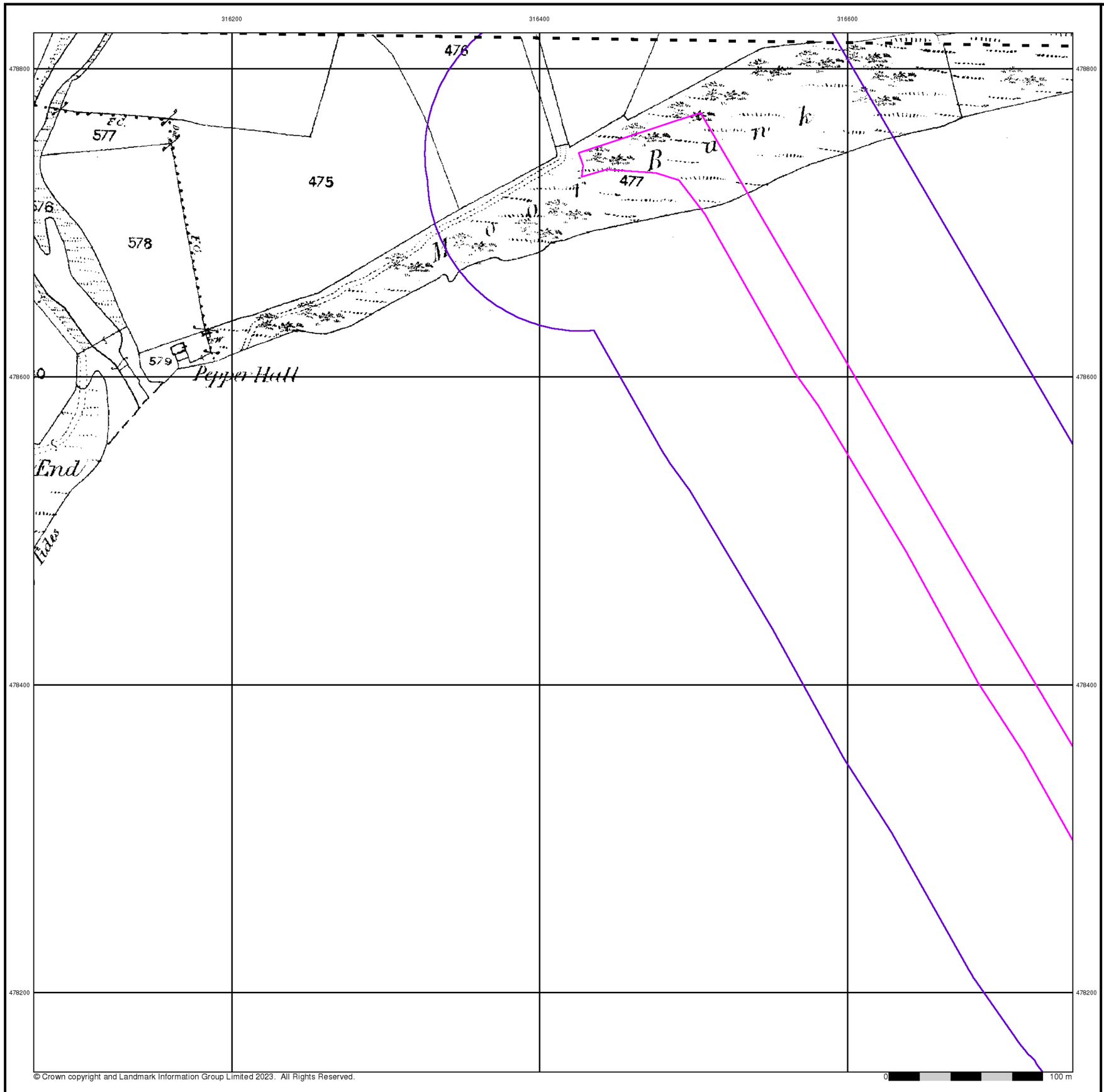

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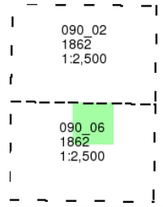
Cumberland

Published 1862

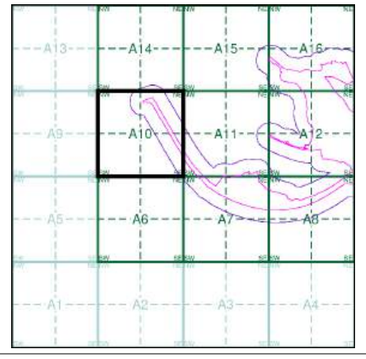
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A10



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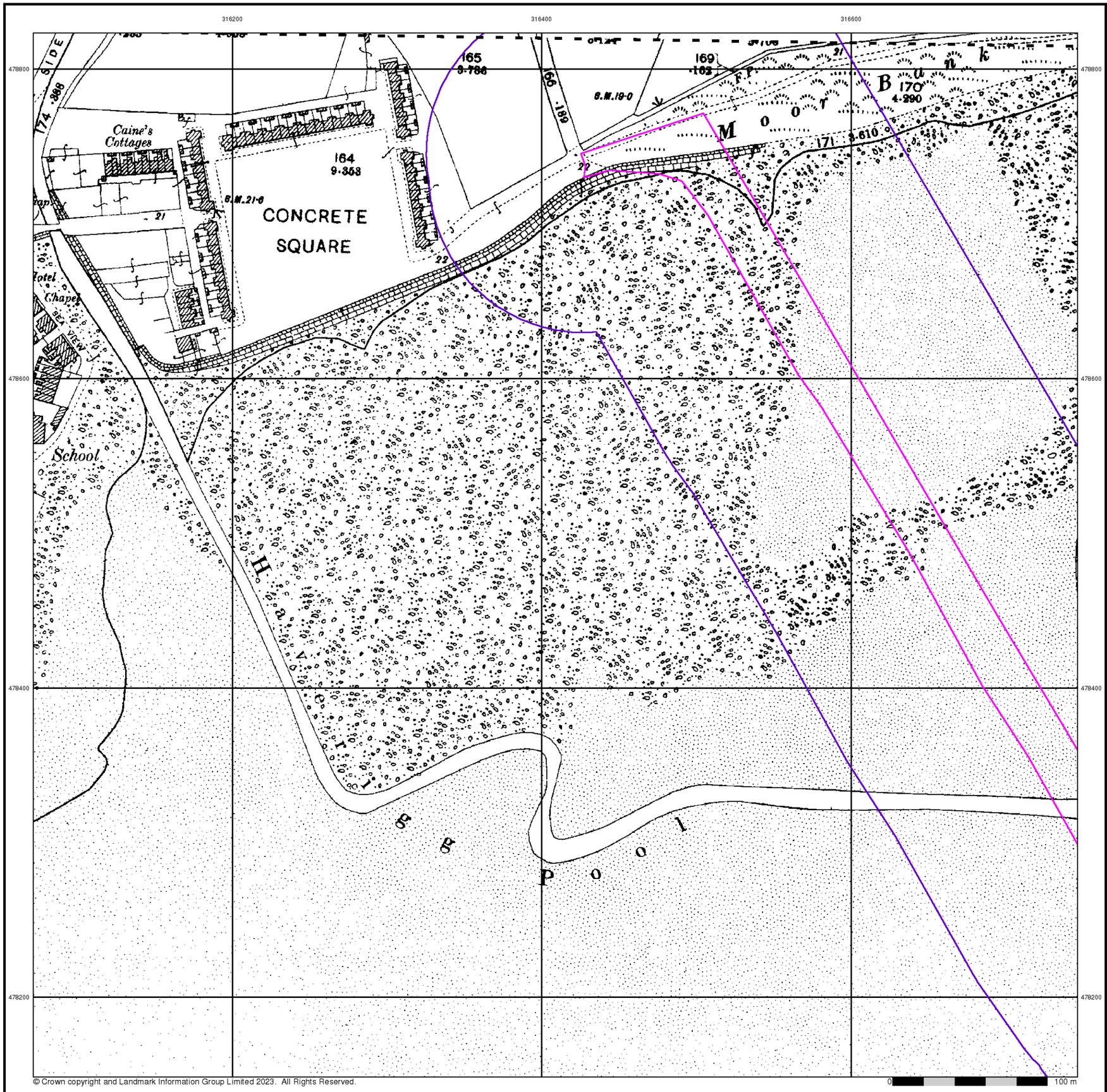

curtins

Cumberland

Published 1898 - 1899

Source map scale - 1:2,500

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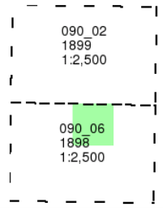
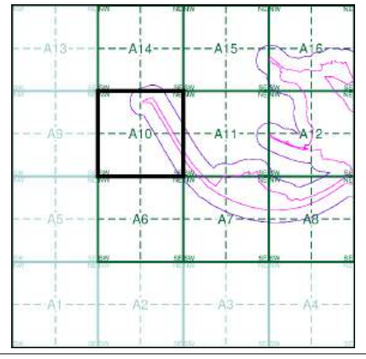


Historical Map - Segment A10



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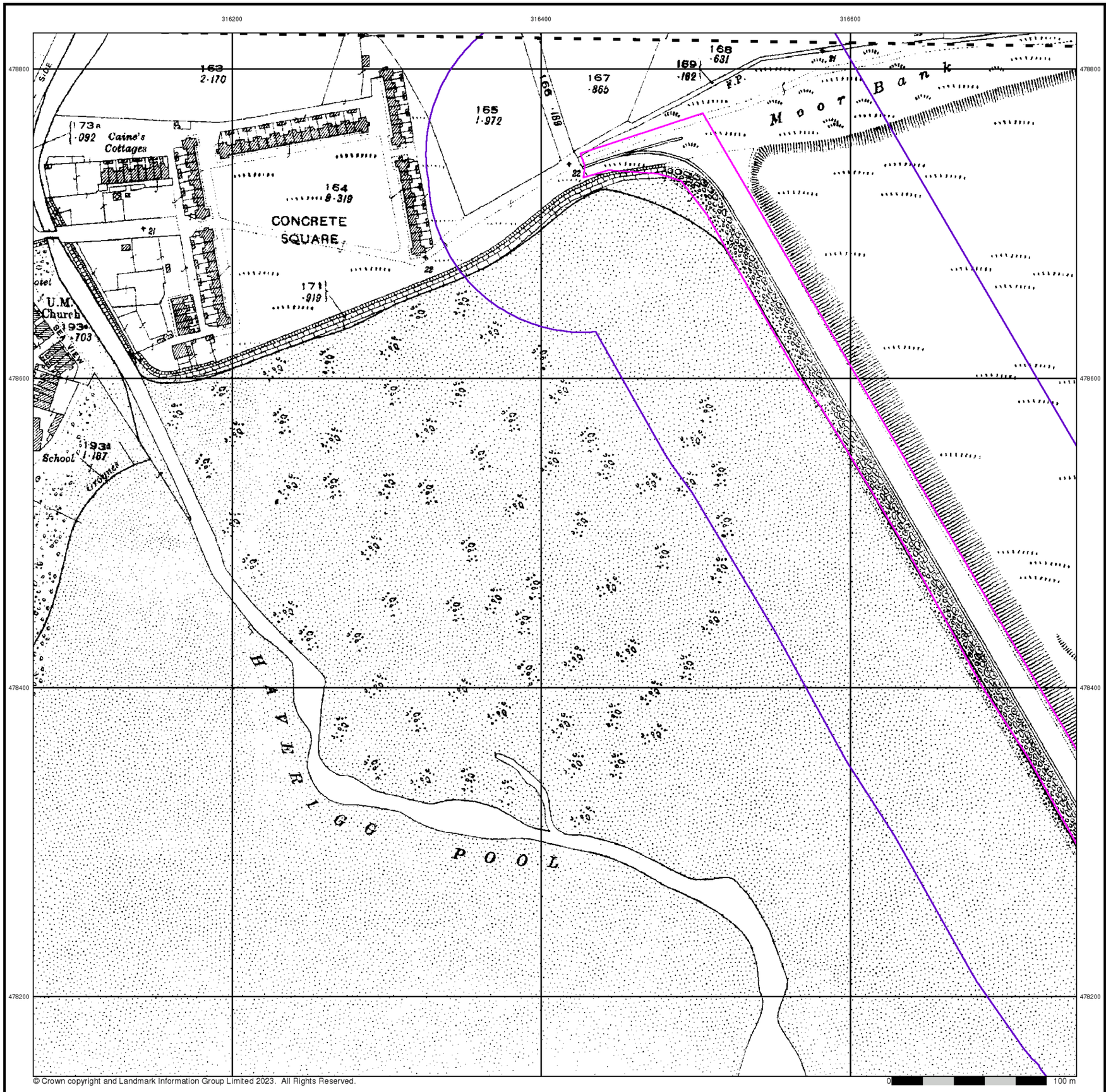
Search Buffer (m):	100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG



curtins

Cumberland

Published 1924

Source map scale - 1:2,500

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

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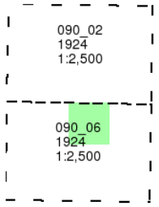
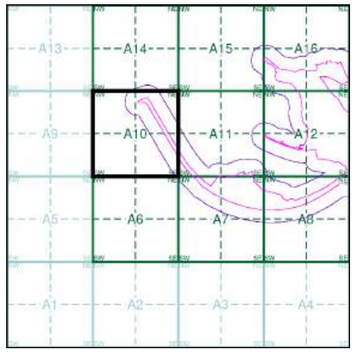


Historical Map - Segment A10



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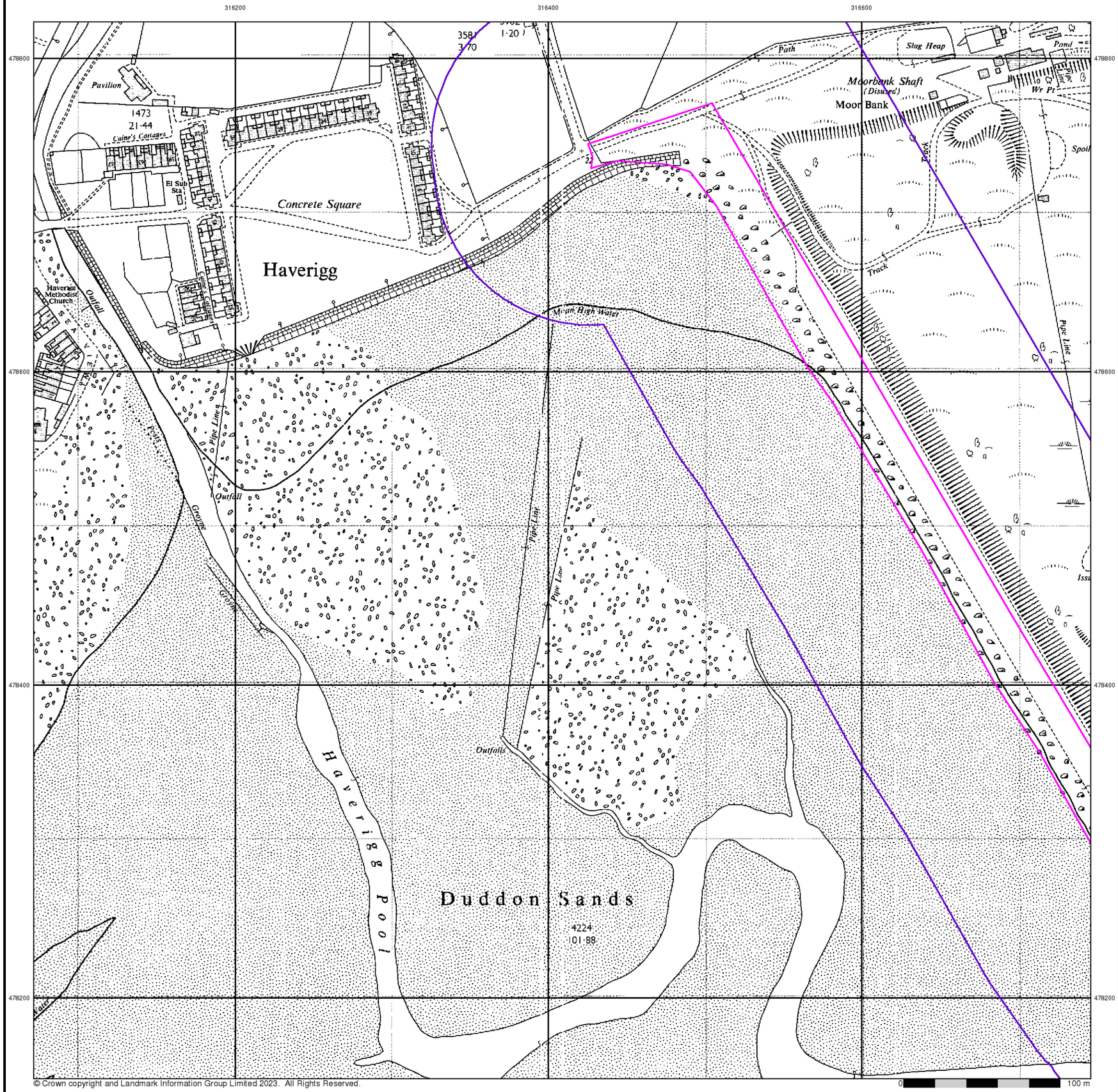


curtins

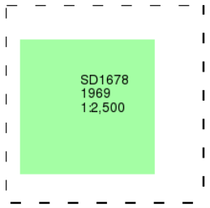
Ordnance Survey Plan

Published 1969

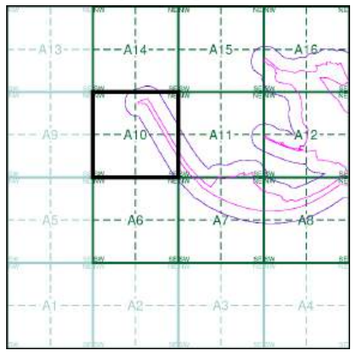
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A10



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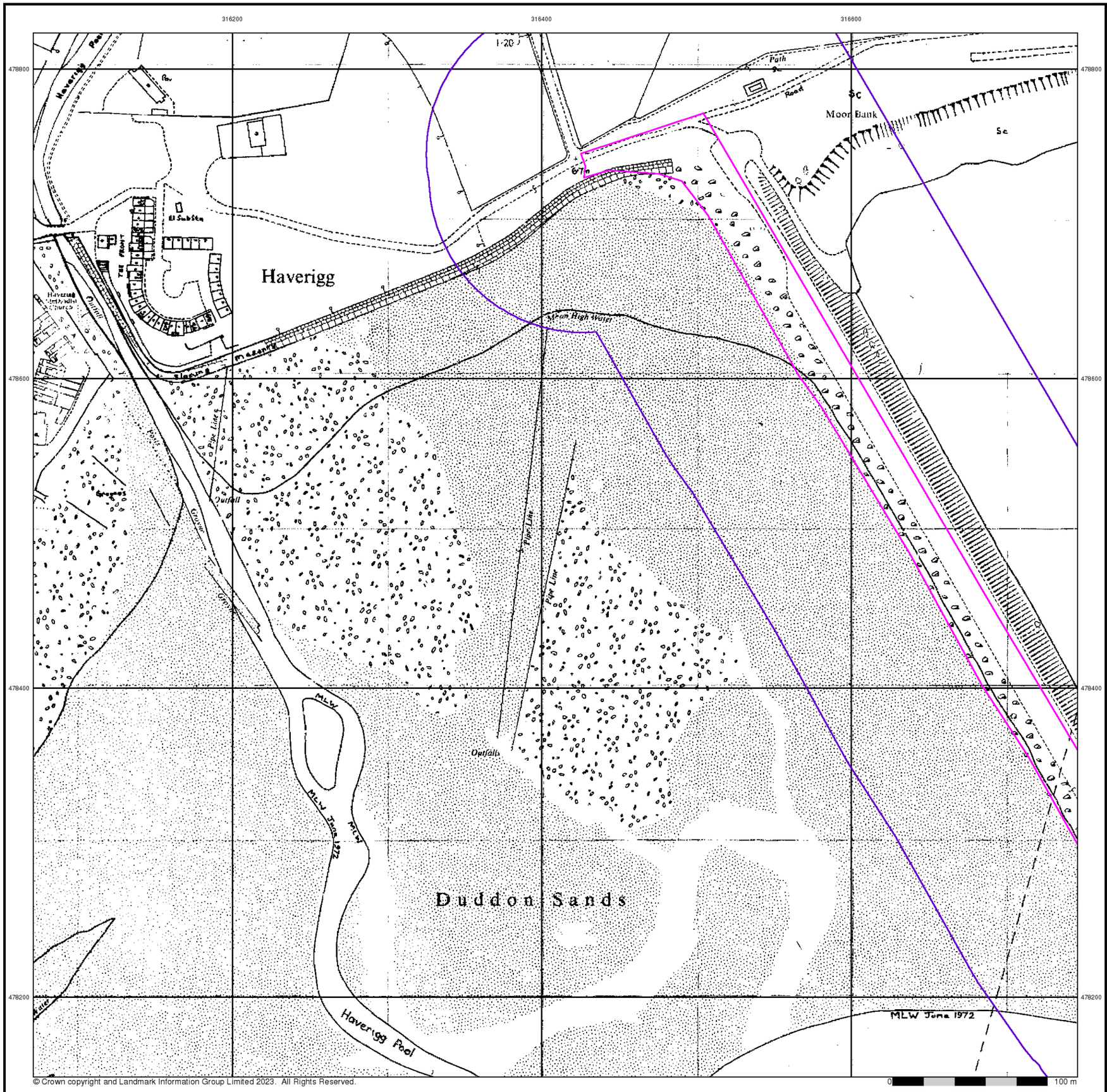


curtins

Additional SIMs

Published 1981

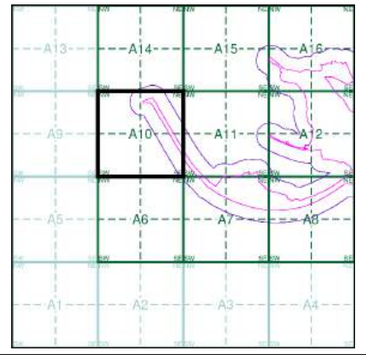
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

SD1678
1981
1:2,500

Historical Map - Segment A10



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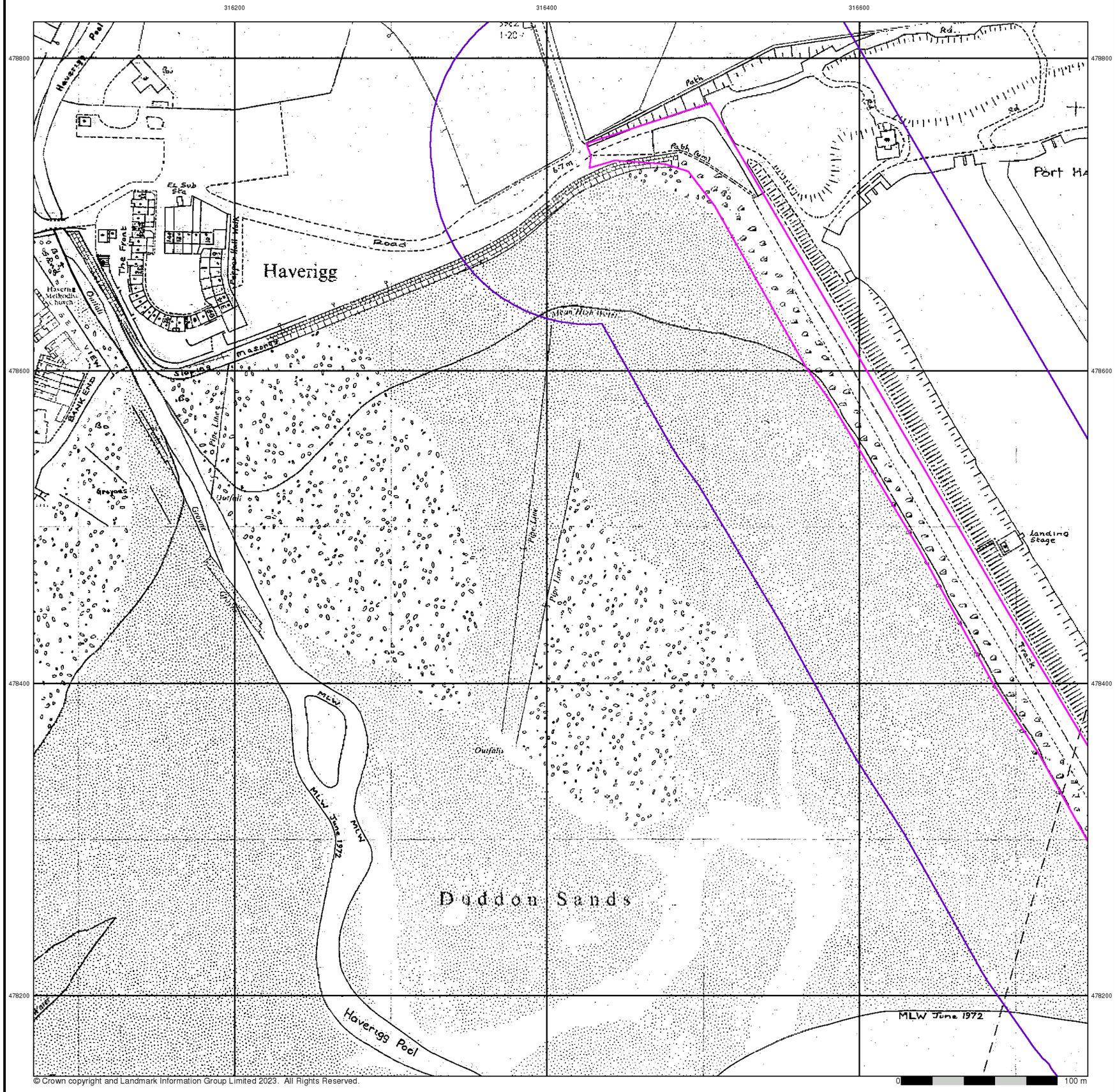

curtins

Additional SIMs

Published 1987

Source map scale - 1:2,500

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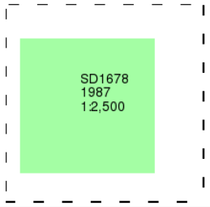
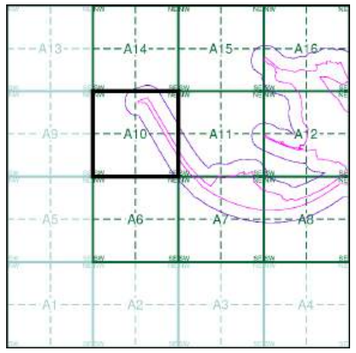


Historical Map - Segment A10



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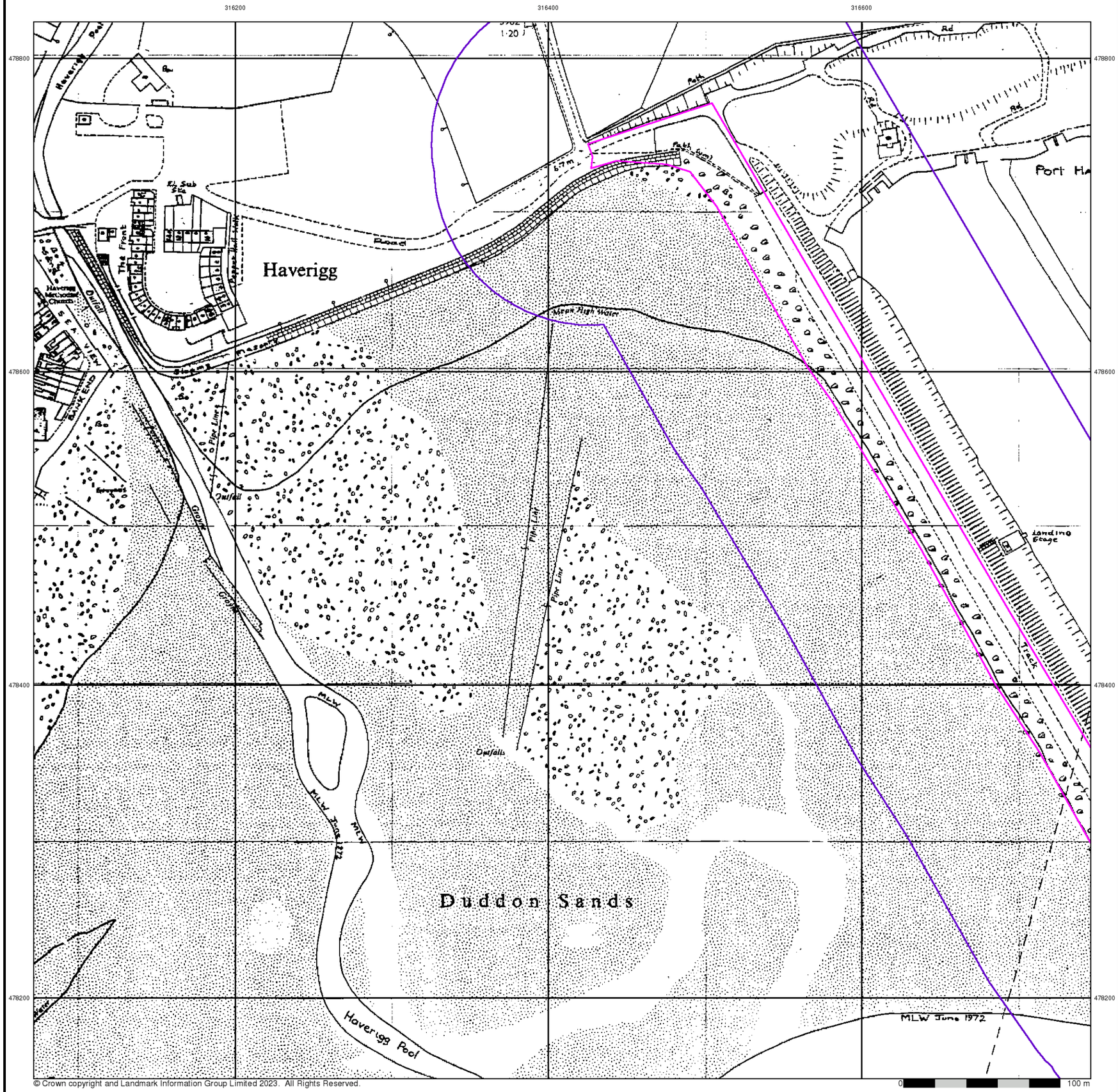

curtins

Additional SIMs

Published 1989

Source map scale - 1:2,500

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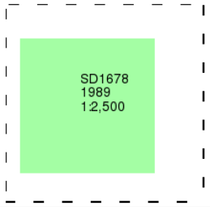
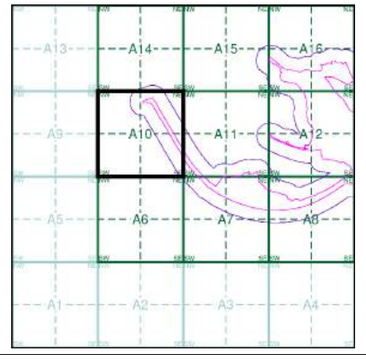
Map Name(s) and Date(s)



Historical Map - Segment A10



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Order Number:	307697430_1_1
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National Grid Reference:	316920, 478320
Slice:	A
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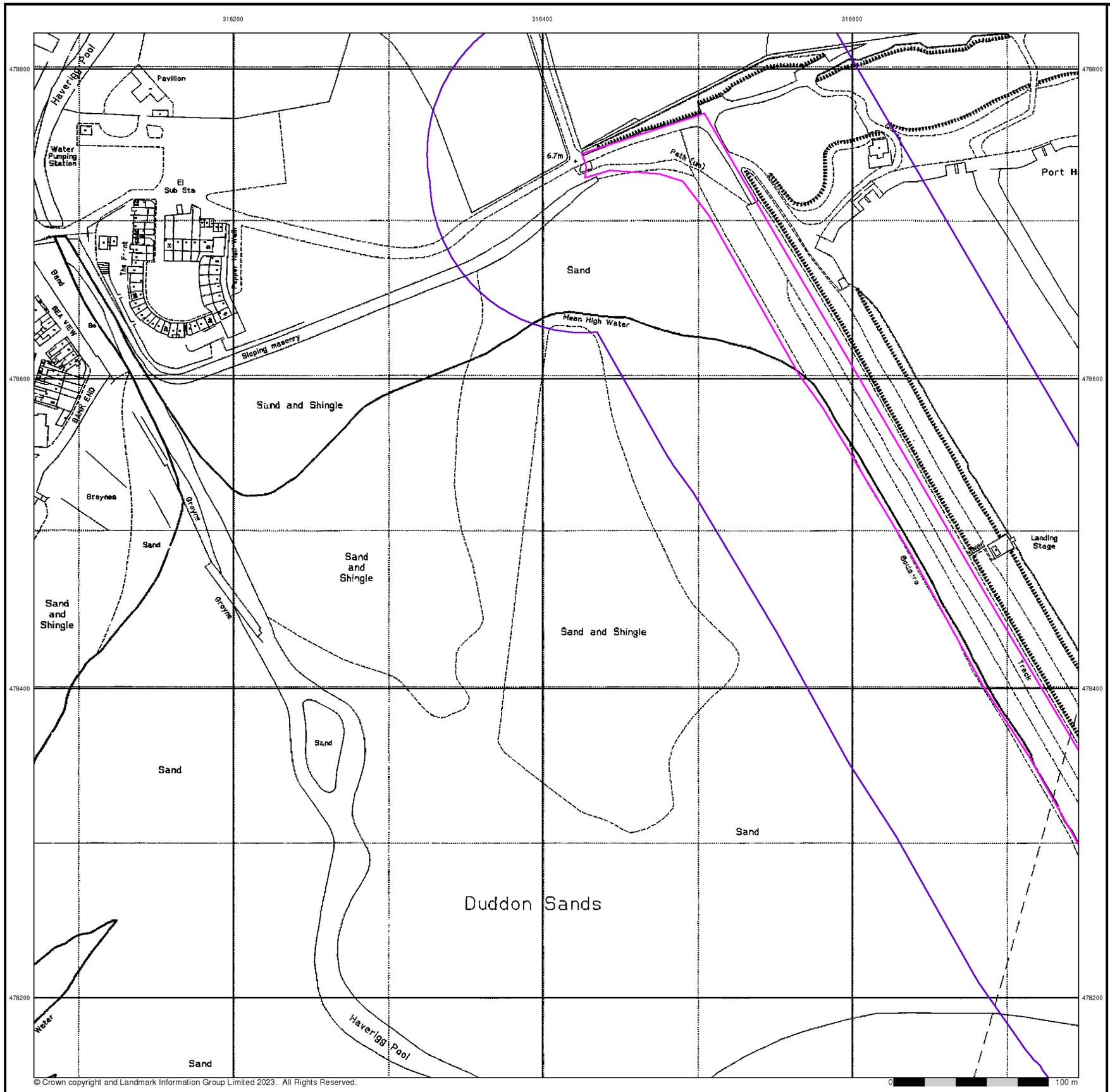


curtins

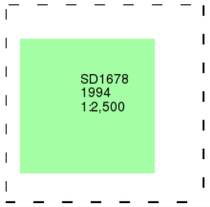
Large-Scale National Grid Data

Published 1994

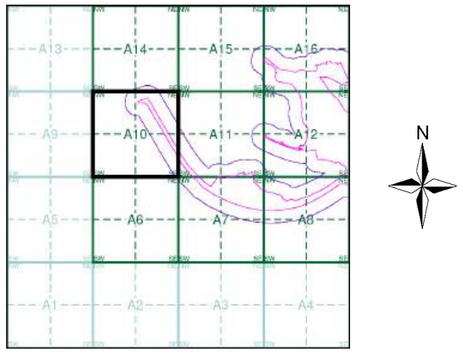
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A10



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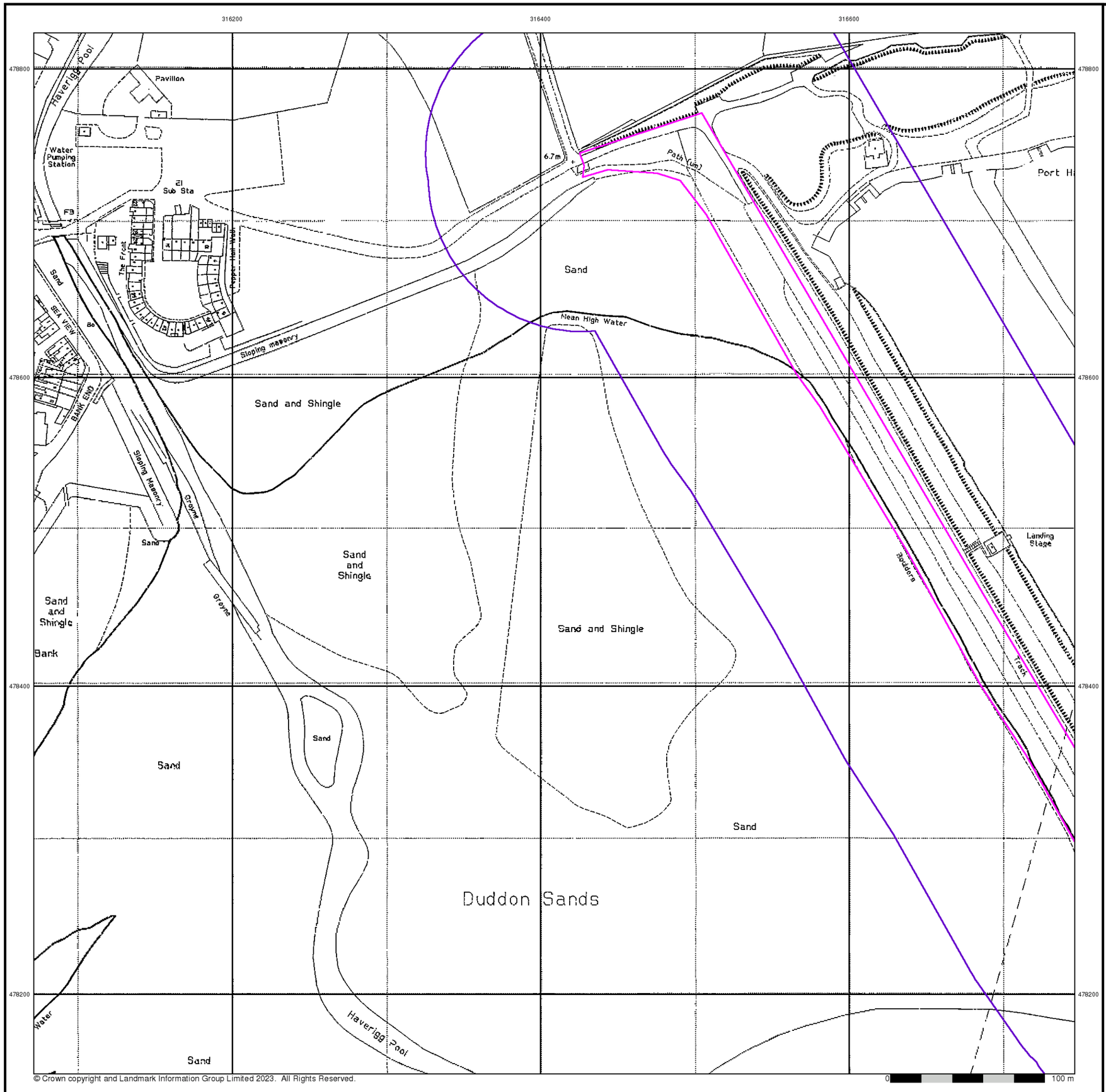


curtins

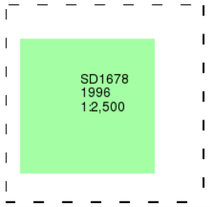
Large-Scale National Grid Data

Published 1996

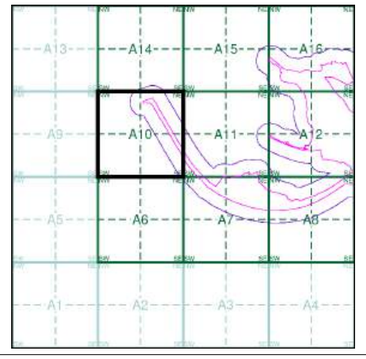
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A10



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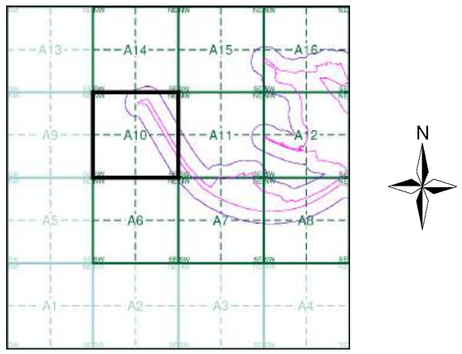
curtins

Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A10



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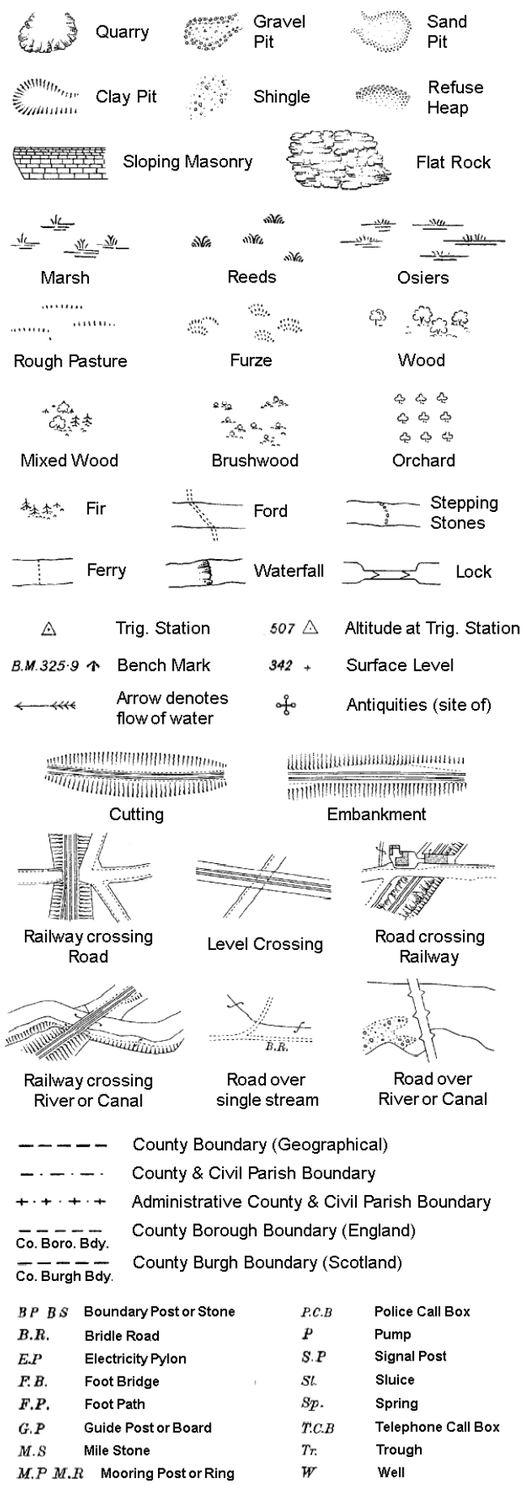
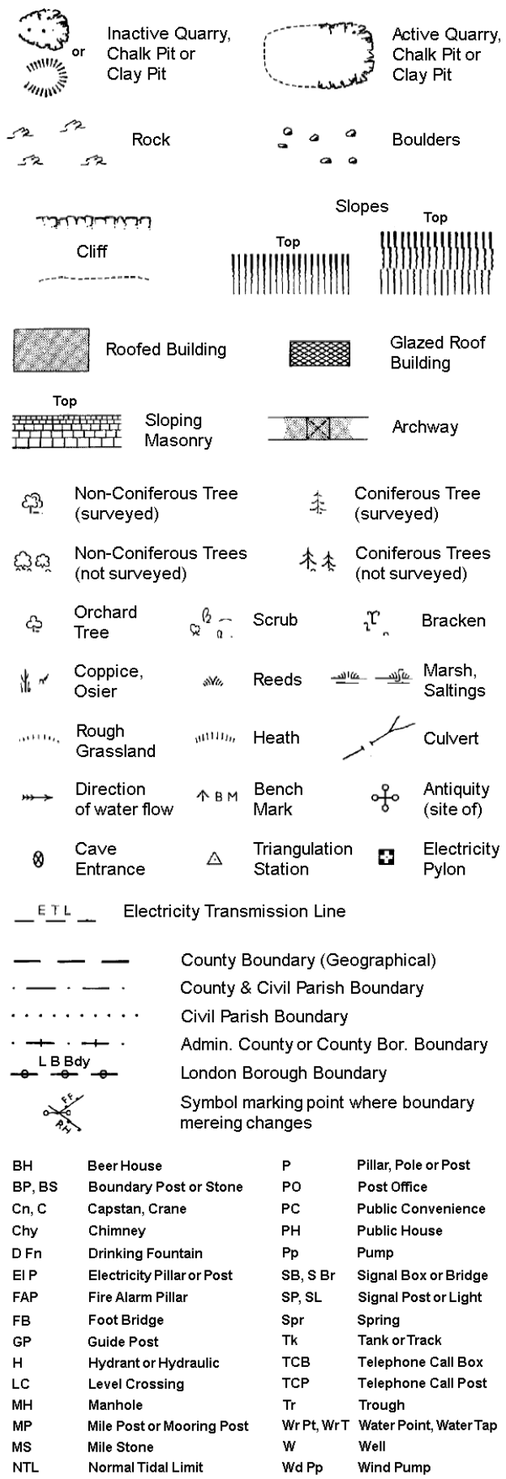
Historical Mapping Legends

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



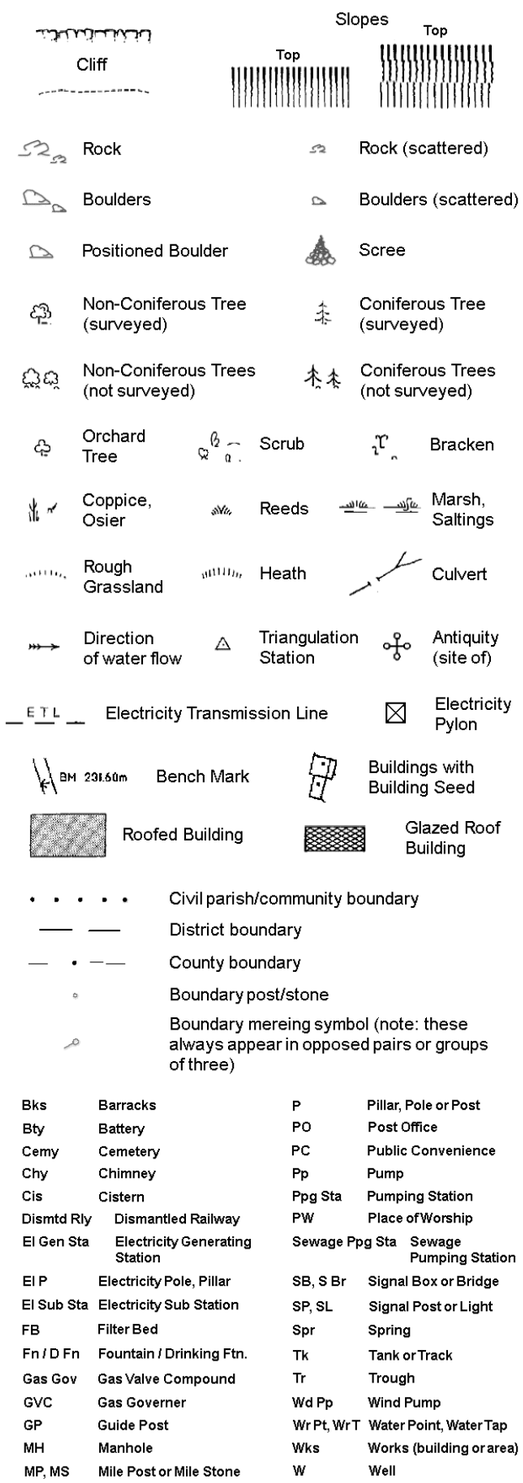
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



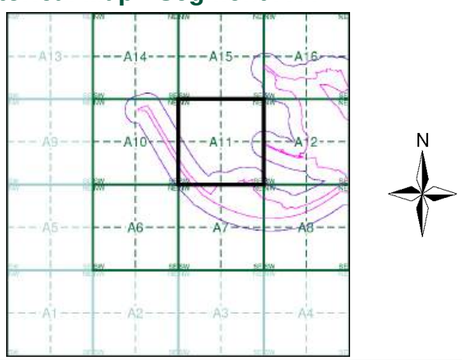
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

curtins

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cumberland	1:2,500	1862	2
Cumberland	1:2,500	1898 - 1899	3
Cumberland	1:2,500	1924	4
Ordnance Survey Plan	1:2,500	1969	5
Additional SIMs	1:2,500	1981 - 1987	6
Additional SIMs	1:2,500	1987	7
Additional SIMs	1:2,500	1989	8
Large-Scale National Grid Data	1:2,500	1994	9
Large-Scale National Grid Data	1:2,500	1996	10
Historical Aerial Photography	1:2,500	2000	11

Historical Map - Segment A11



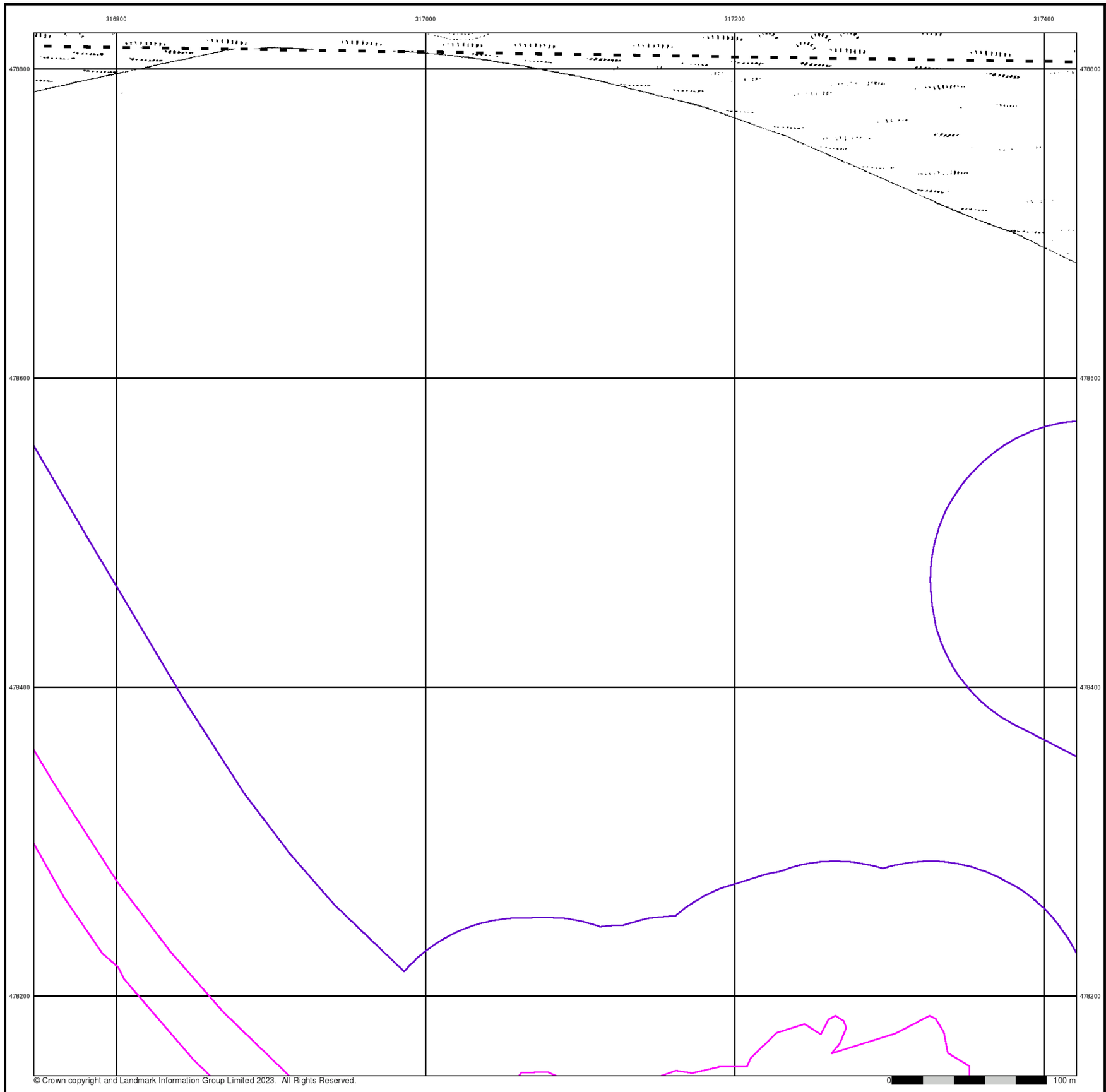
Order Details

Order Number: 307697430_1_1
Customer Ref: No. 4229
National Grid Reference: 316920, 478320
Slice: A
Site Area (Ha): 57.66
Search Buffer (m): 100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

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



curtins

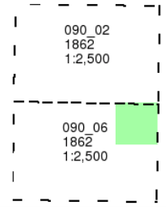
Cumberland

Published 1862

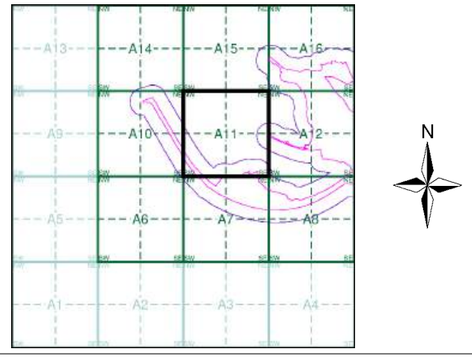
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A11



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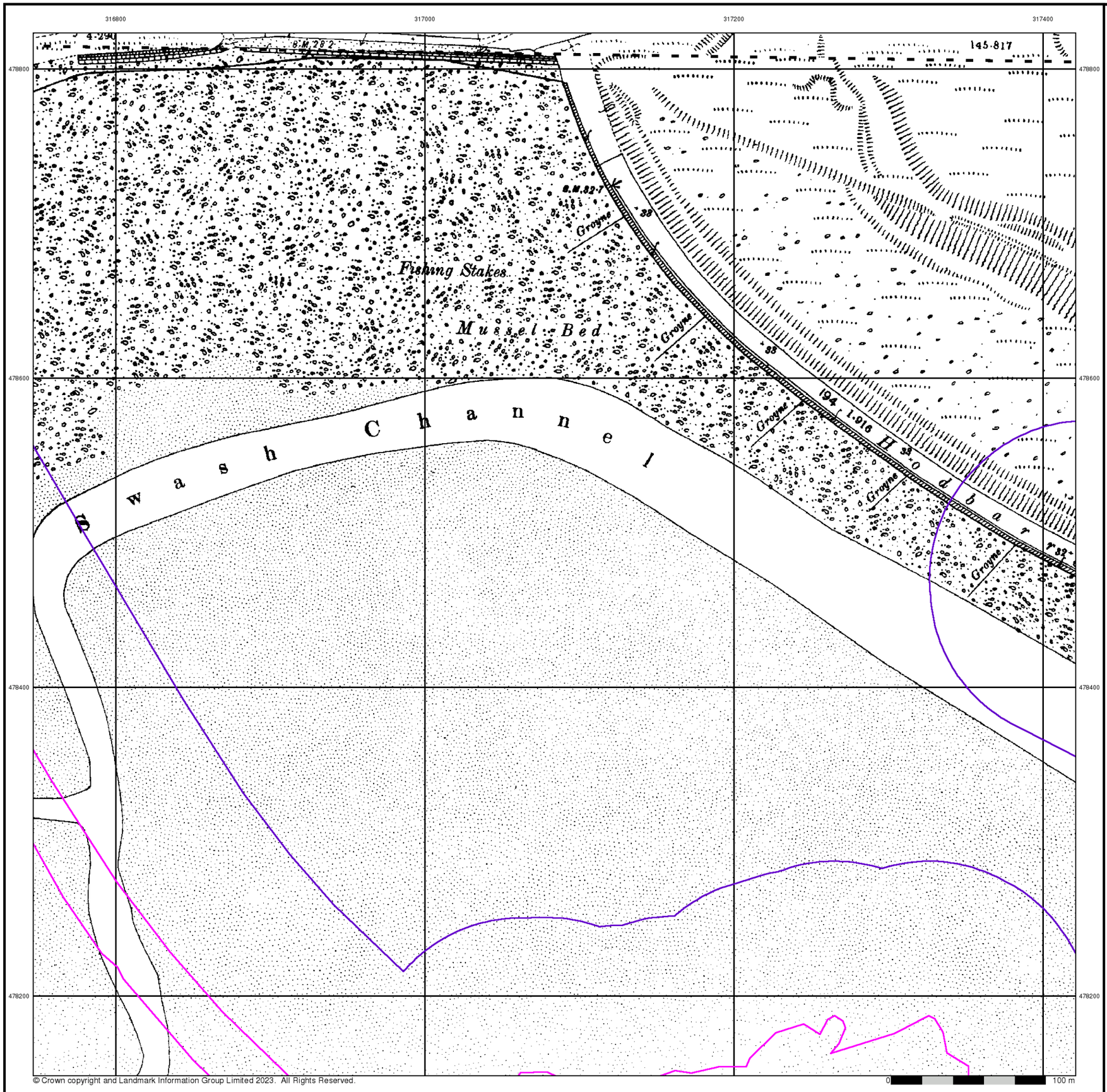

curtins

Cumberland

Published 1898 - 1899

Source map scale - 1:2,500

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

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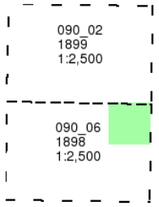
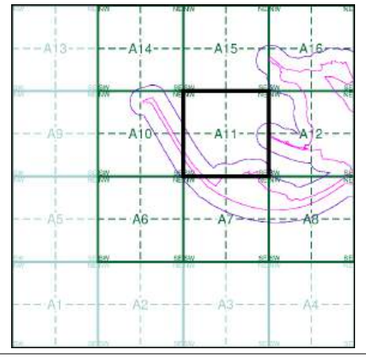


Historical Map - Segment A11



Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	100

Site Details

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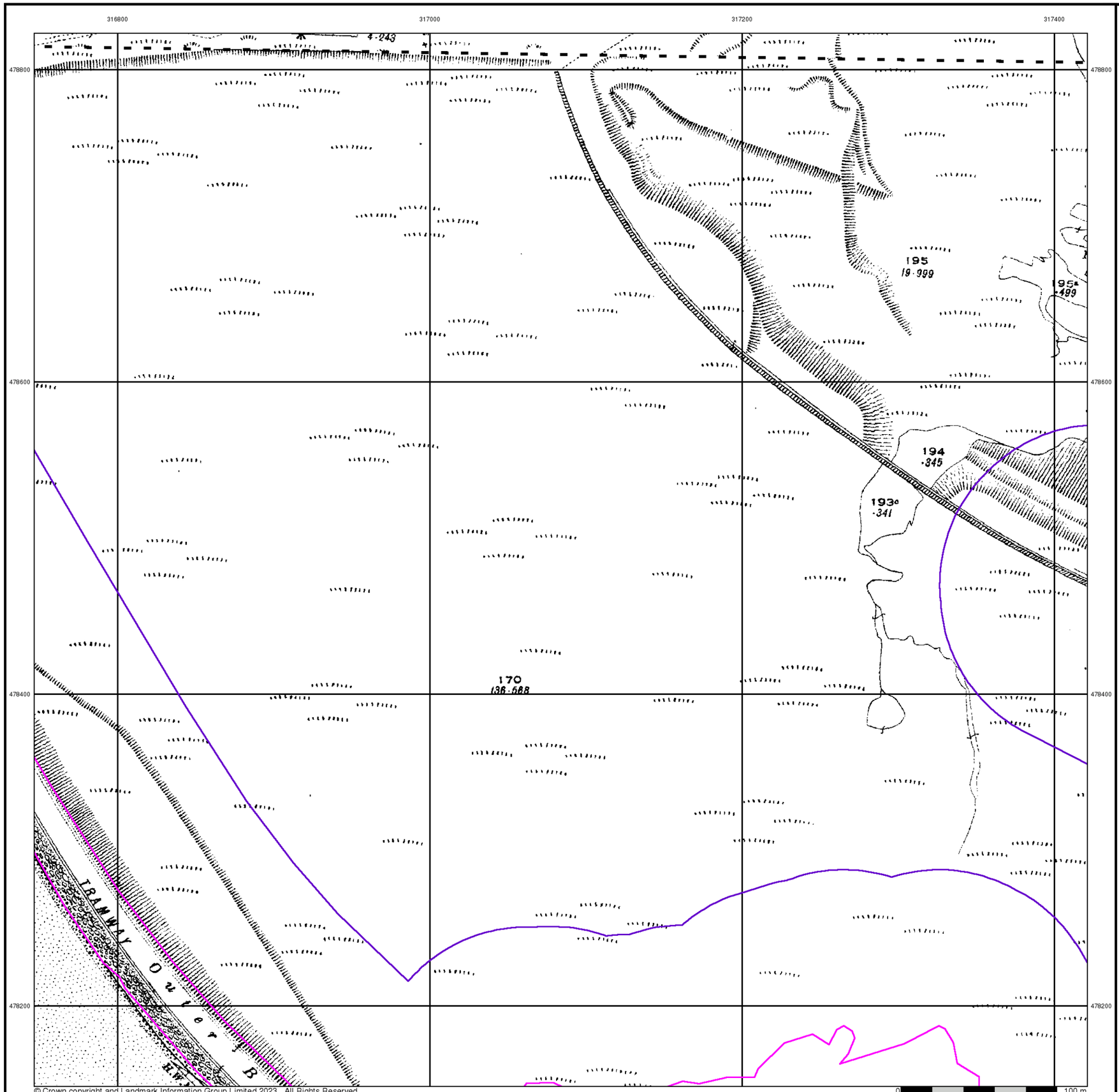

curtins

Cumberland

Published 1924

Source map scale - 1:2,500

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

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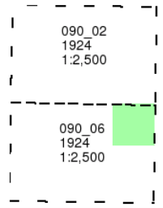
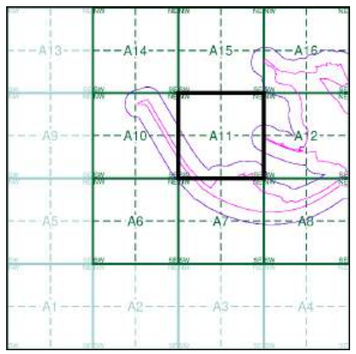


Historical Map - Segment A11



Order Details

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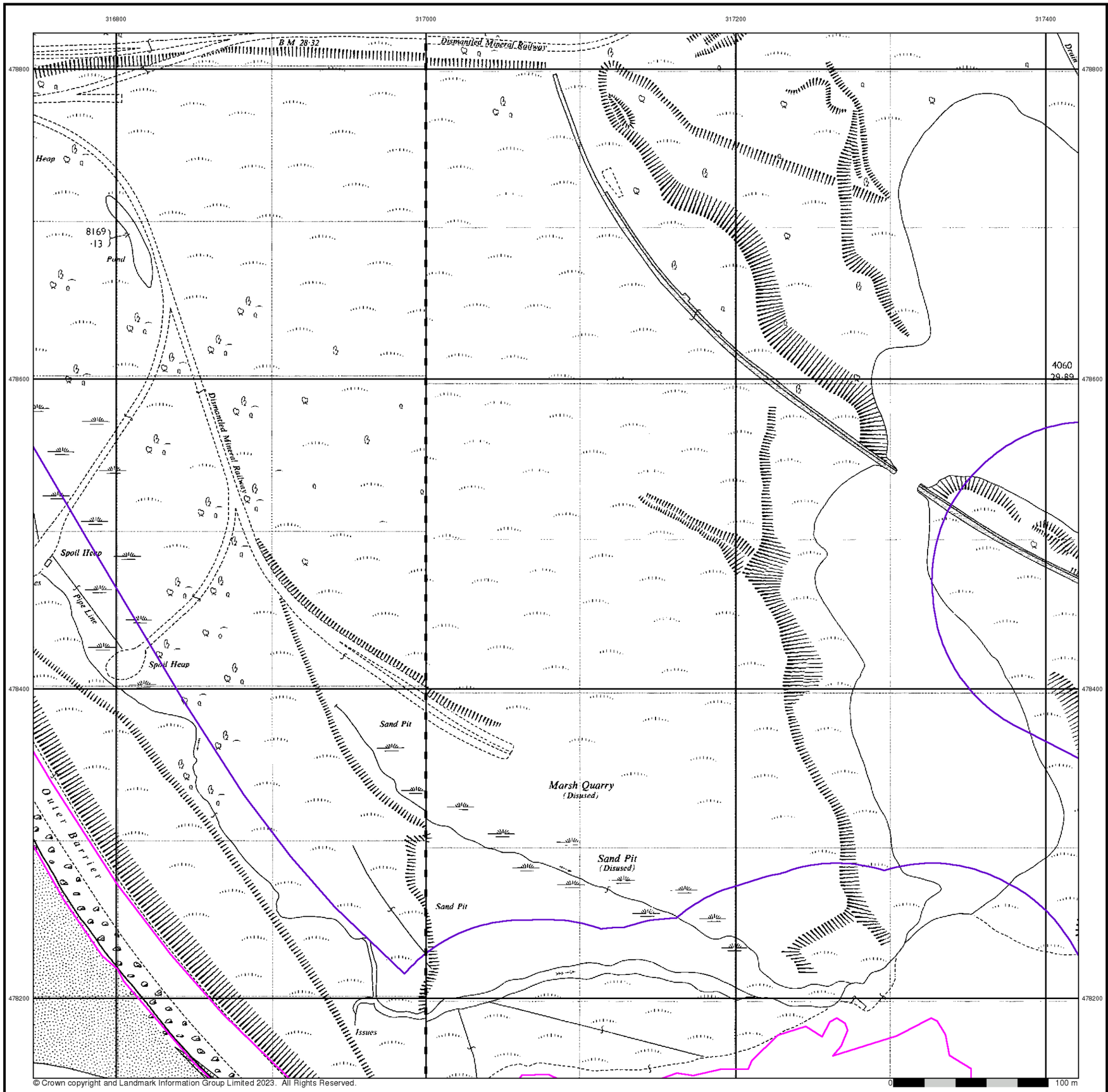
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG



curtins

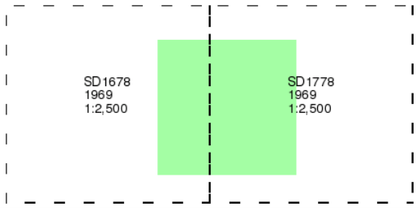
Ordnance Survey Plan

Published 1969

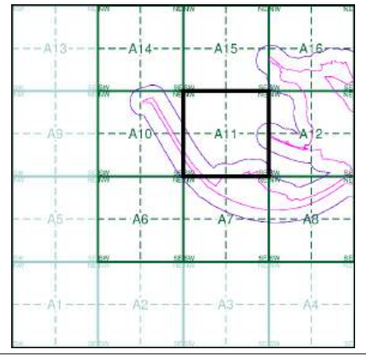
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A11



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Slice:	A
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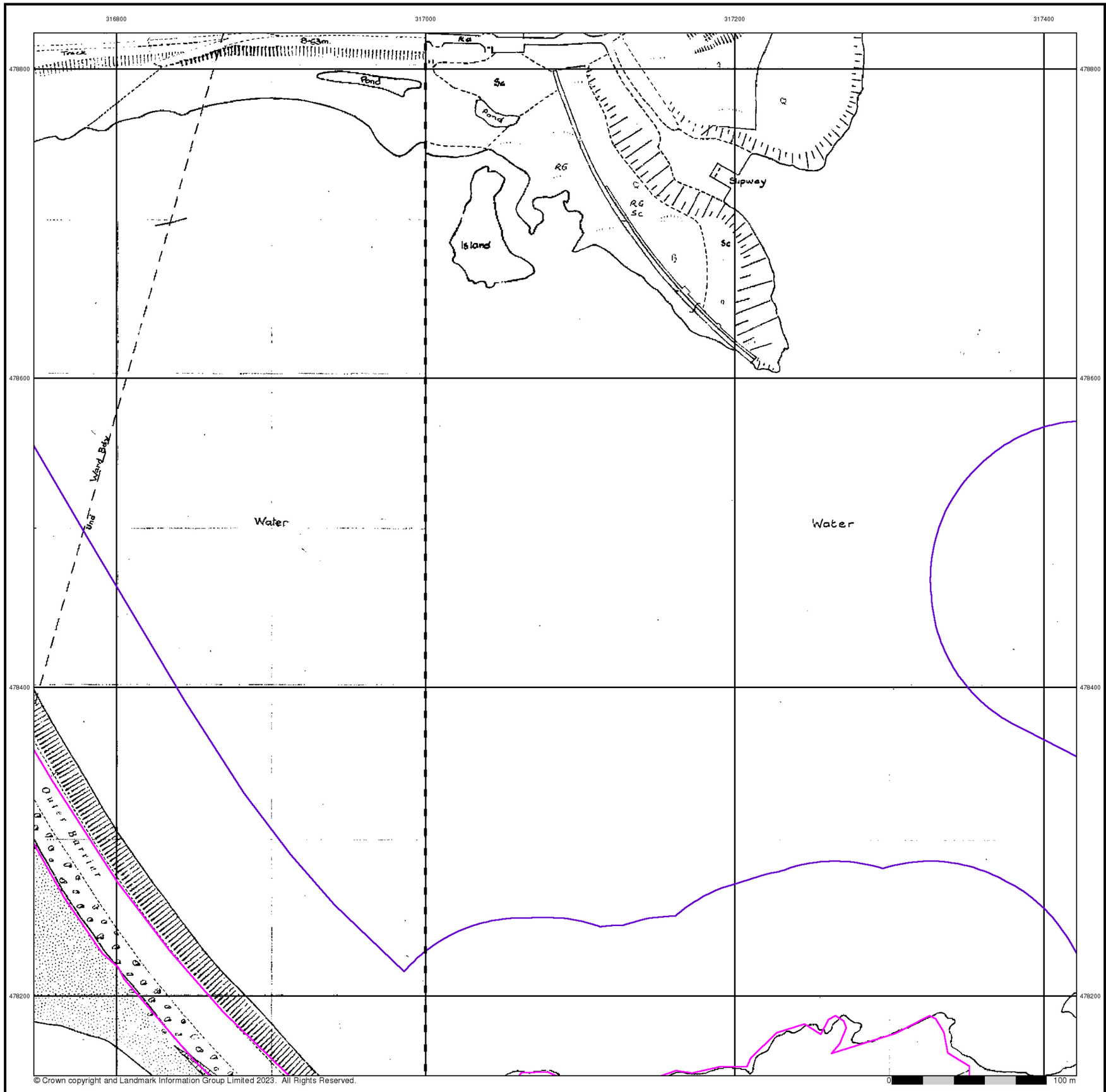


curtins

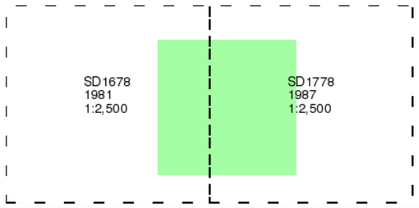
Additional SIMs

Published 1981 - 1987

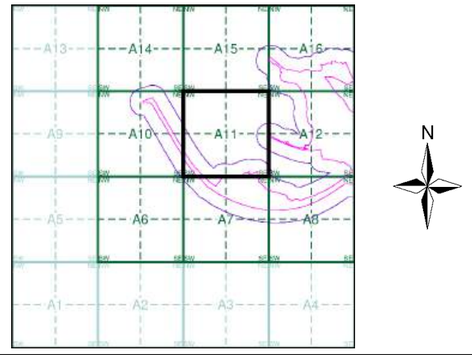
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A11



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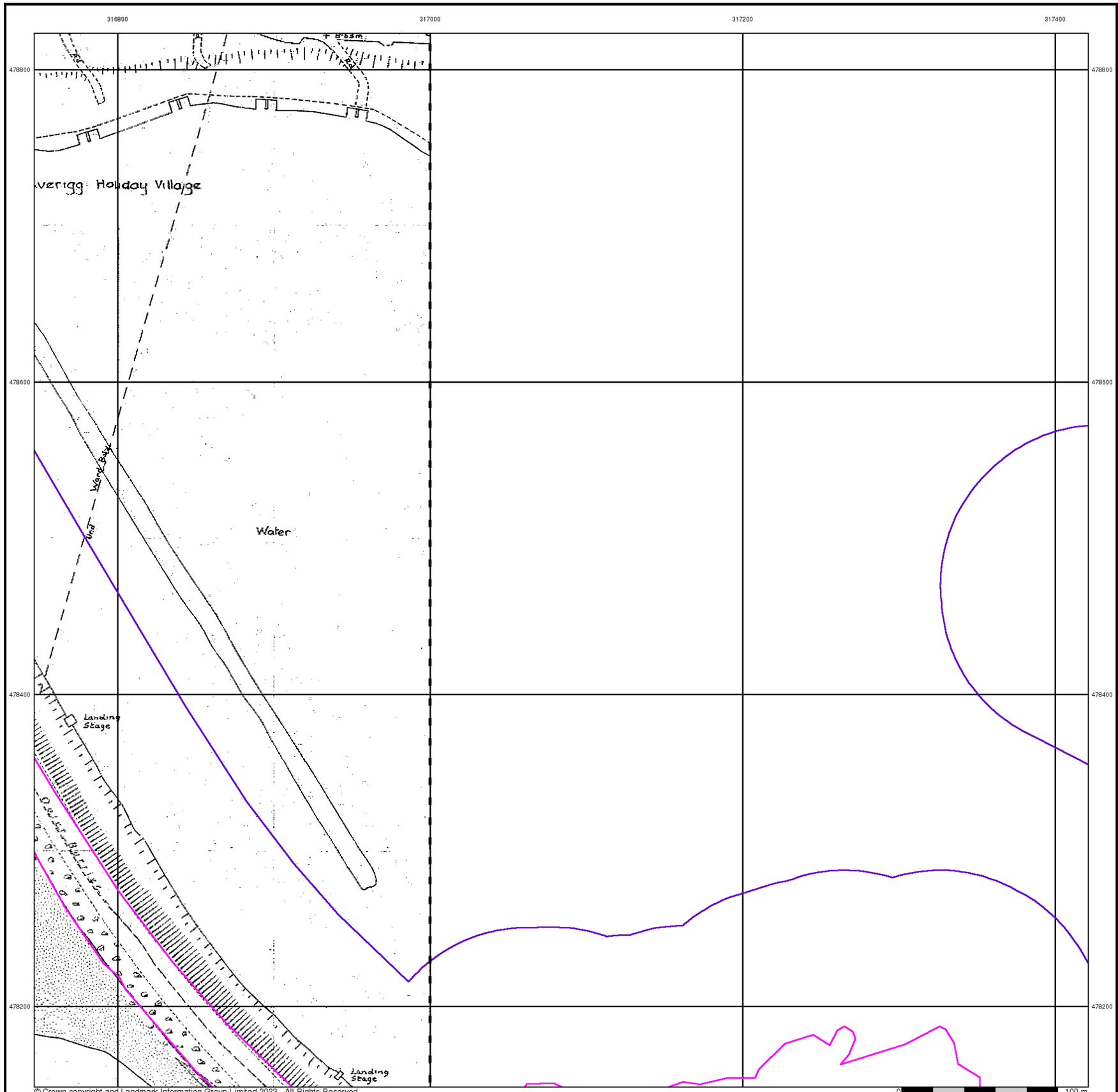


curtins

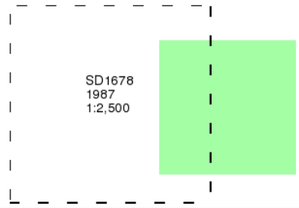
Additional SIMs

Published 1987

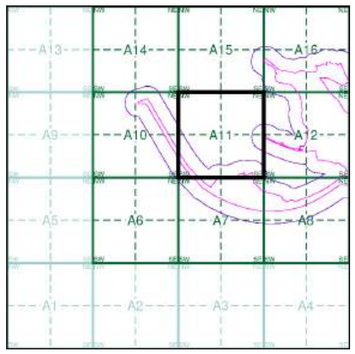
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A11



Order Details

Order Number:	307697430_1_1
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Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

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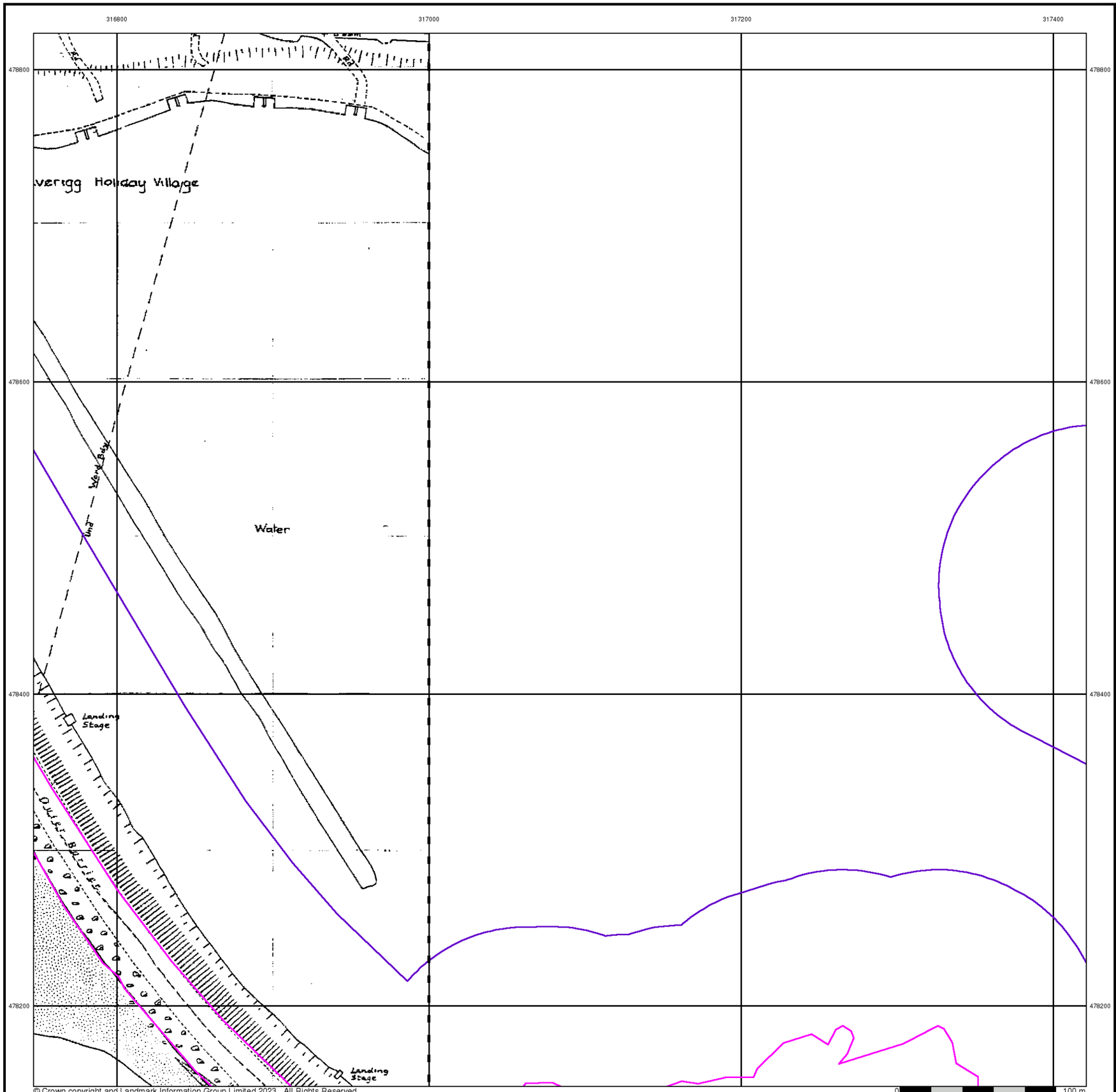


curtins

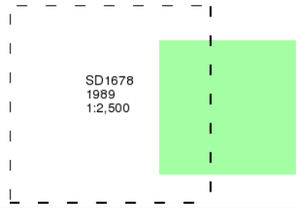
Additional SIMs

Published 1989

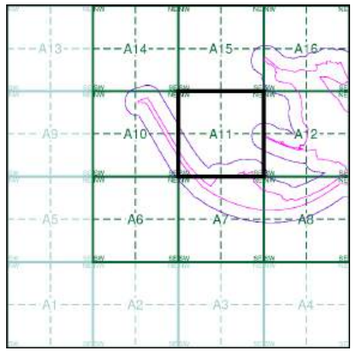
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A11



Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

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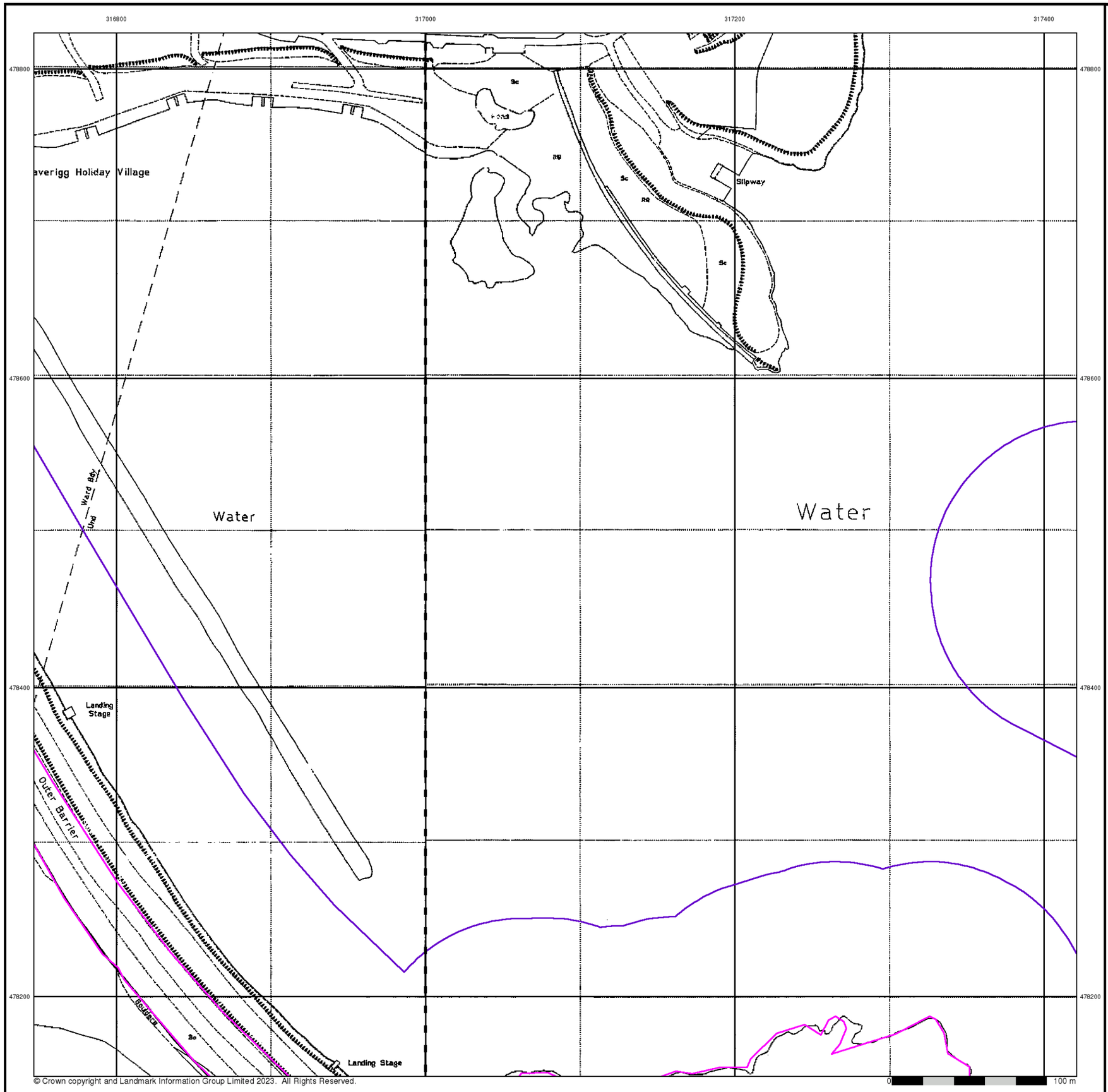


curtins

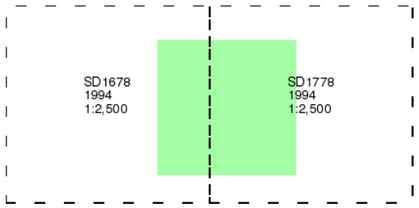
Large-Scale National Grid Data

Published 1994

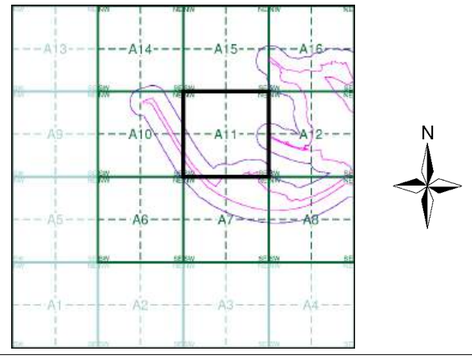
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A11



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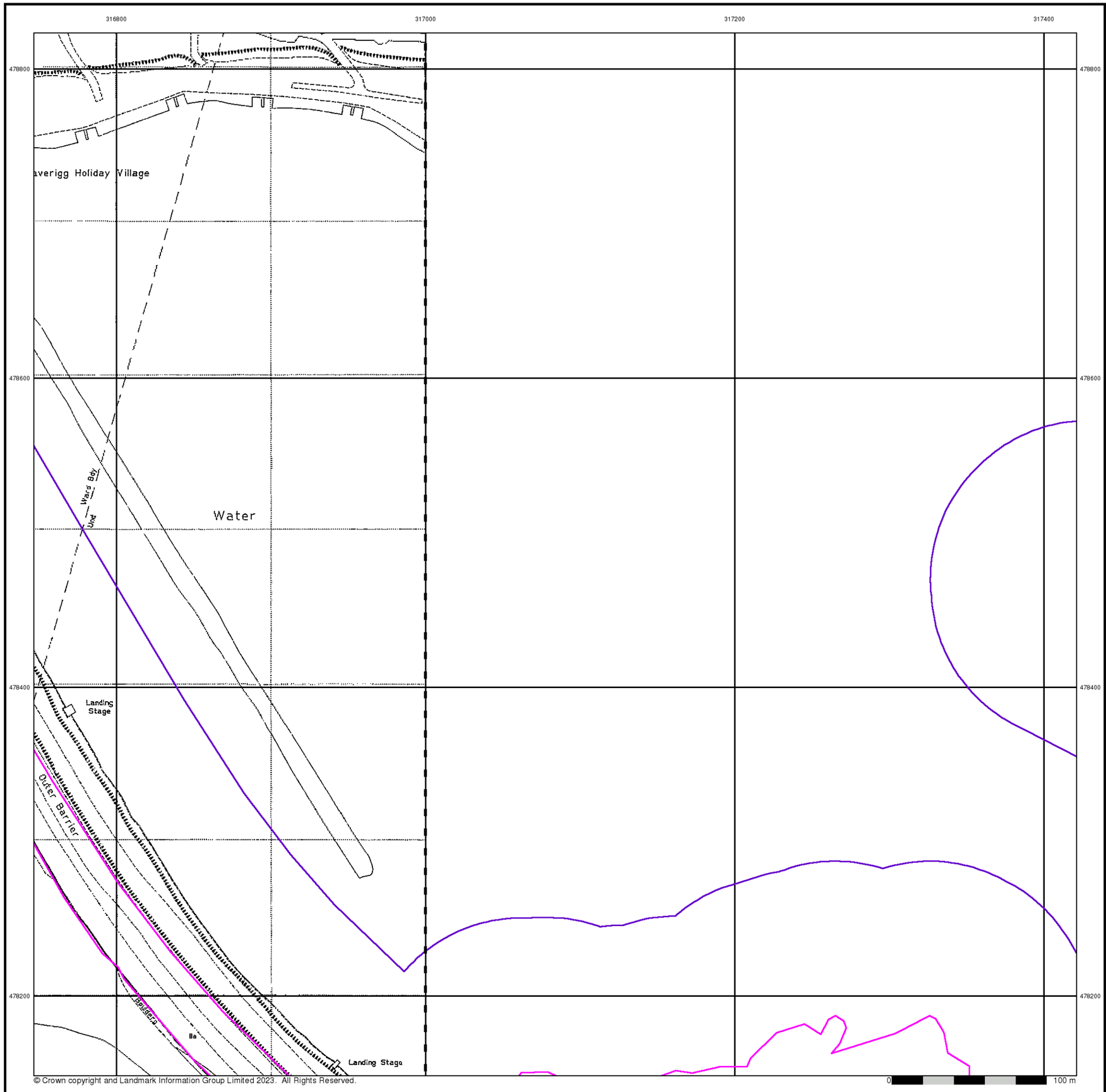


curtins

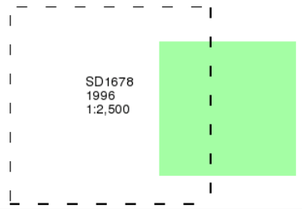
Large-Scale National Grid Data

Published 1996

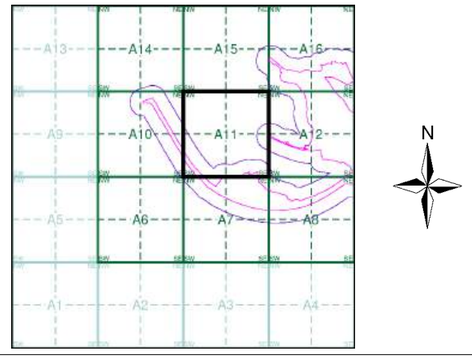
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A11



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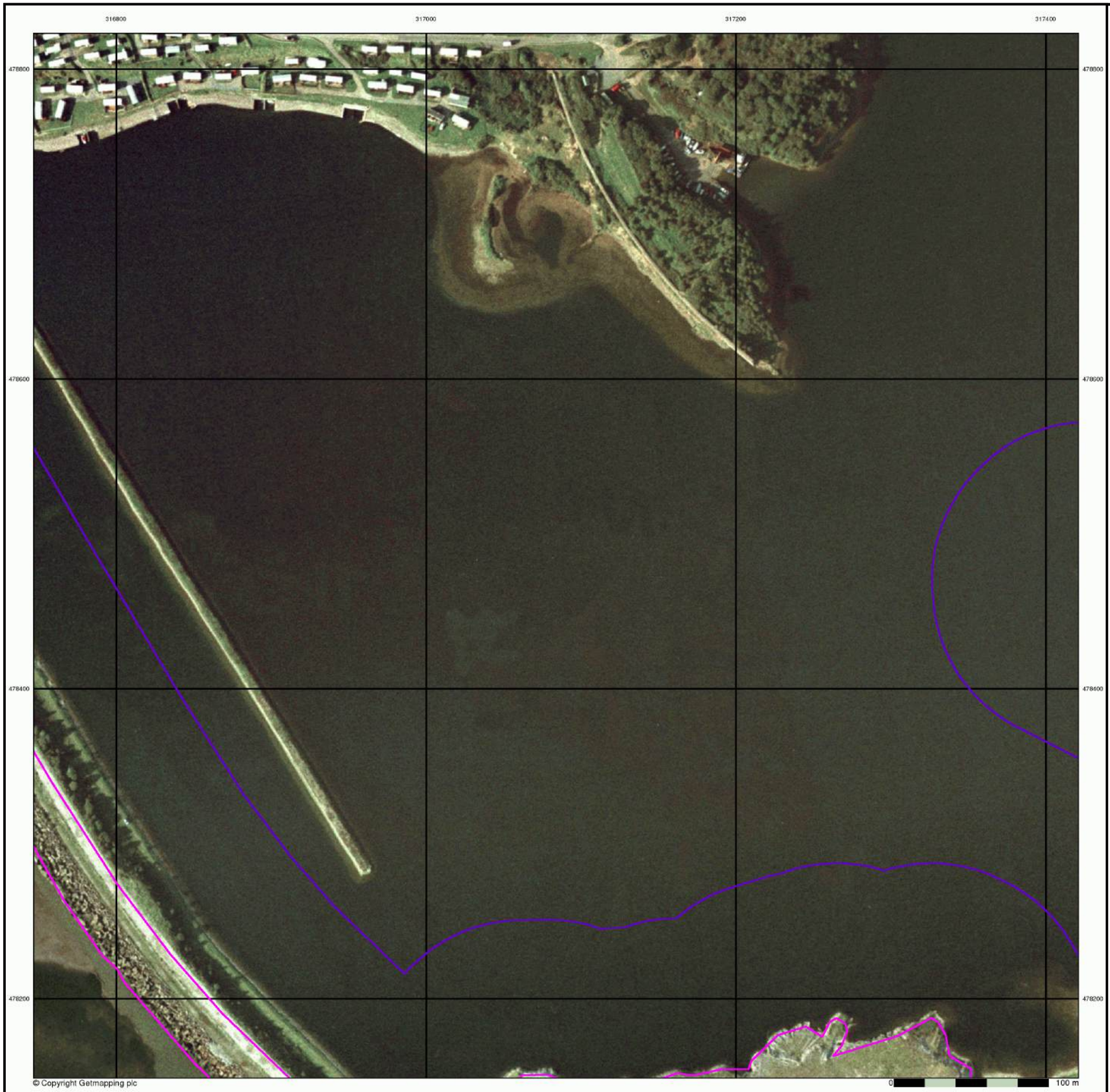


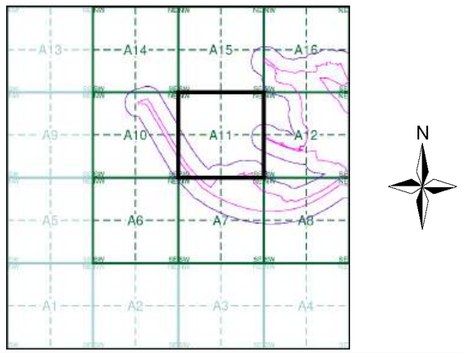
curtins

Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A11



Order Details

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Slice:	A
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Site Details

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Historical Mapping Legends

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

Quarry
Gravel Pit
Sand Pit
Clay Pit
Shingle
Refuse Heap
Sloping Masonry
Flat Rock
Marsh
Reeds
Osiers
Rough Pasture
Furze
Wood
Mixed Wood
Brushwood
Orchard
Fir
Ford
Stepping Stones
Ferry
Waterfall
Lock
Trig. Station
507 Altitude at Trig. Station
B.M.325·9 Bench Mark
342 Surface Level
Arrow denotes flow of water
Antiquities (site of)
Cutting
Embankment
Railway crossing Road
Level Crossing
Road crossing Railway
Railway crossing River or Canal
Road over single stream
Road over River or Canal
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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

Inactive Quarry, Chalk Pit or Clay Pit
Active Quarry, Chalk Pit or Clay Pit
Rock
Boulders
Cliff
Slopes
Top
Roofed Building
Glazed Roof Building
Top
Sloping Masonry
Archway
Non-Coniferous Tree (surveyed)
Coniferous Tree (surveyed)
Non-Coniferous Trees (not surveyed)
Coniferous Trees (not surveyed)
Orchard Tree
Scrub
Bracken
Coppice, Osier
Reeds
Marsh, Saltings
Rough Grassland
Heath
Culvert
Direction of water flow
Bench Mark
Antiquity (site of)
Cave Entrance
Triangulation Station
Electricity Pylon
Electricity Transmission Line
County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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

Cliff
Slopes
Top
Top
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Positioned Boulder
Scree
Non-Coniferous Tree (surveyed)
Coniferous Tree (surveyed)
Non-Coniferous Trees (not surveyed)
Coniferous Trees (not surveyed)
Orchard Tree
Scrub
Bracken
Coppice, Osier
Reeds
Marsh, Saltings
Rough Grassland
Heath
Culvert
Direction of water flow
Triangulation Station
Antiquity (site of)
Electricity Transmission Line
Electricity Pylon
BM 231.60m Bench Mark
Buildings with Building Seed
Roofed Building
Glazed Roof Building
Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

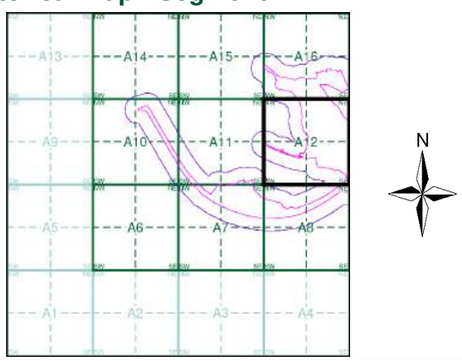
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

curtins

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cumberland	1:2,500	1862	2
Lancashire And Furness	1:2,500	1891	3
Cumberland	1:2,500	1898 - 1899	4
Cumberland	1:2,500	1924	5
Ordnance Survey Plan	1:2,500	1969	6
Additional SIMs	1:2,500	1987	7
Large-Scale National Grid Data	1:2,500	1994	8
Historical Aerial Photography	1:2,500	2000	9

Historical Map - Segment A12



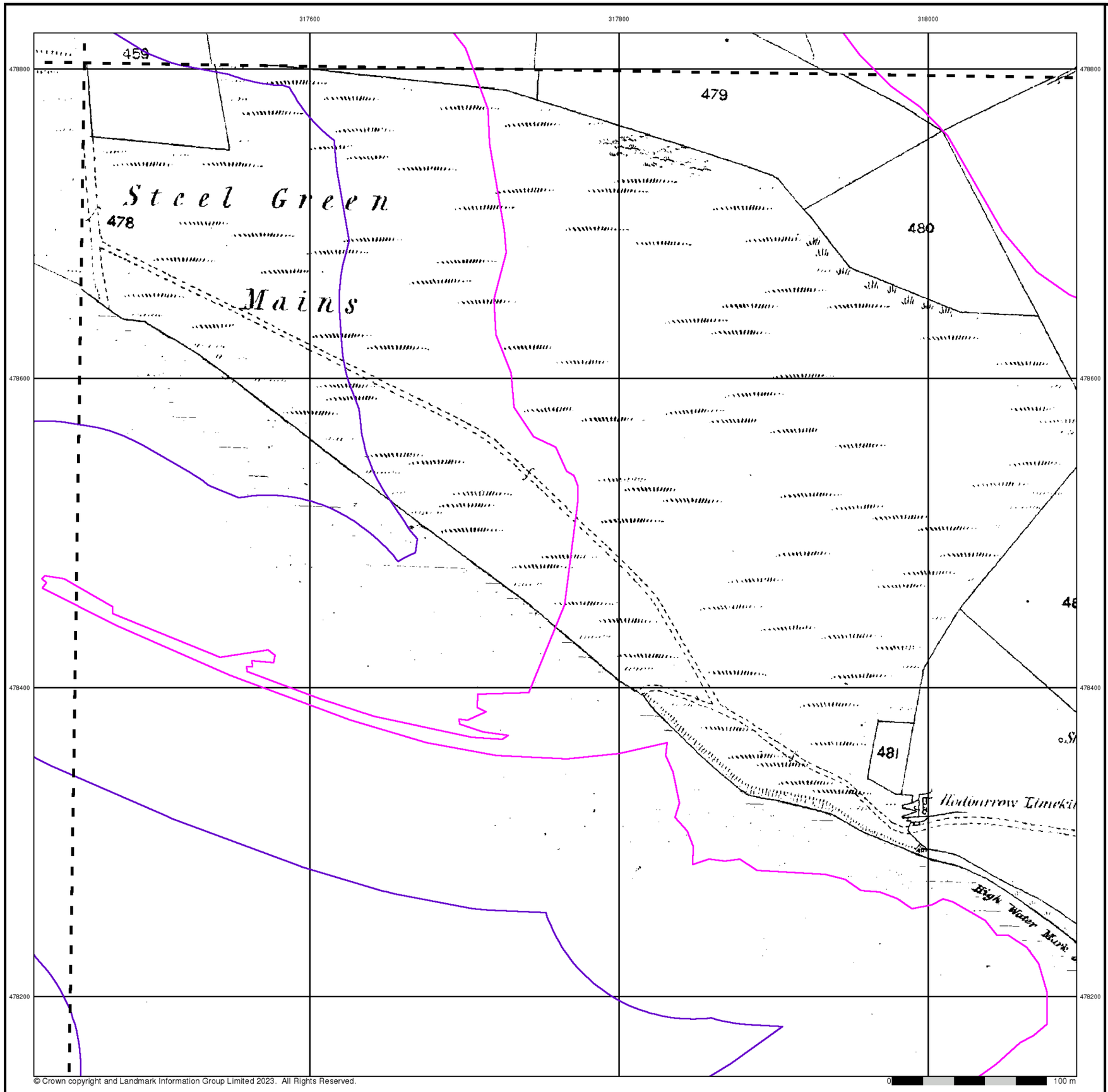
Order Details

Order Number: 307697430_1_1
Customer Ref: No. 4229
National Grid Reference: 316920, 478320
Slice: A
Site Area (Ha): 57.66
Search Buffer (m): 100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

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



curtins

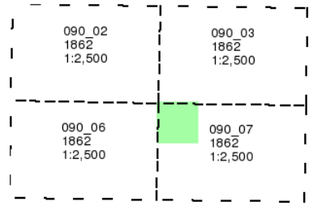
Cumberland

Published 1862

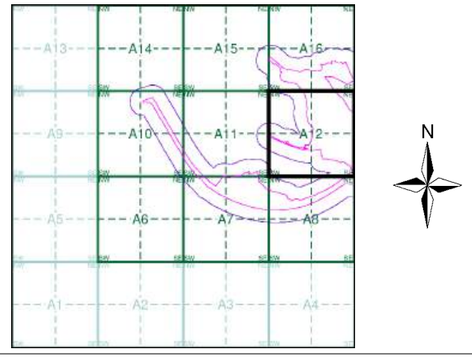
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A12



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Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	100

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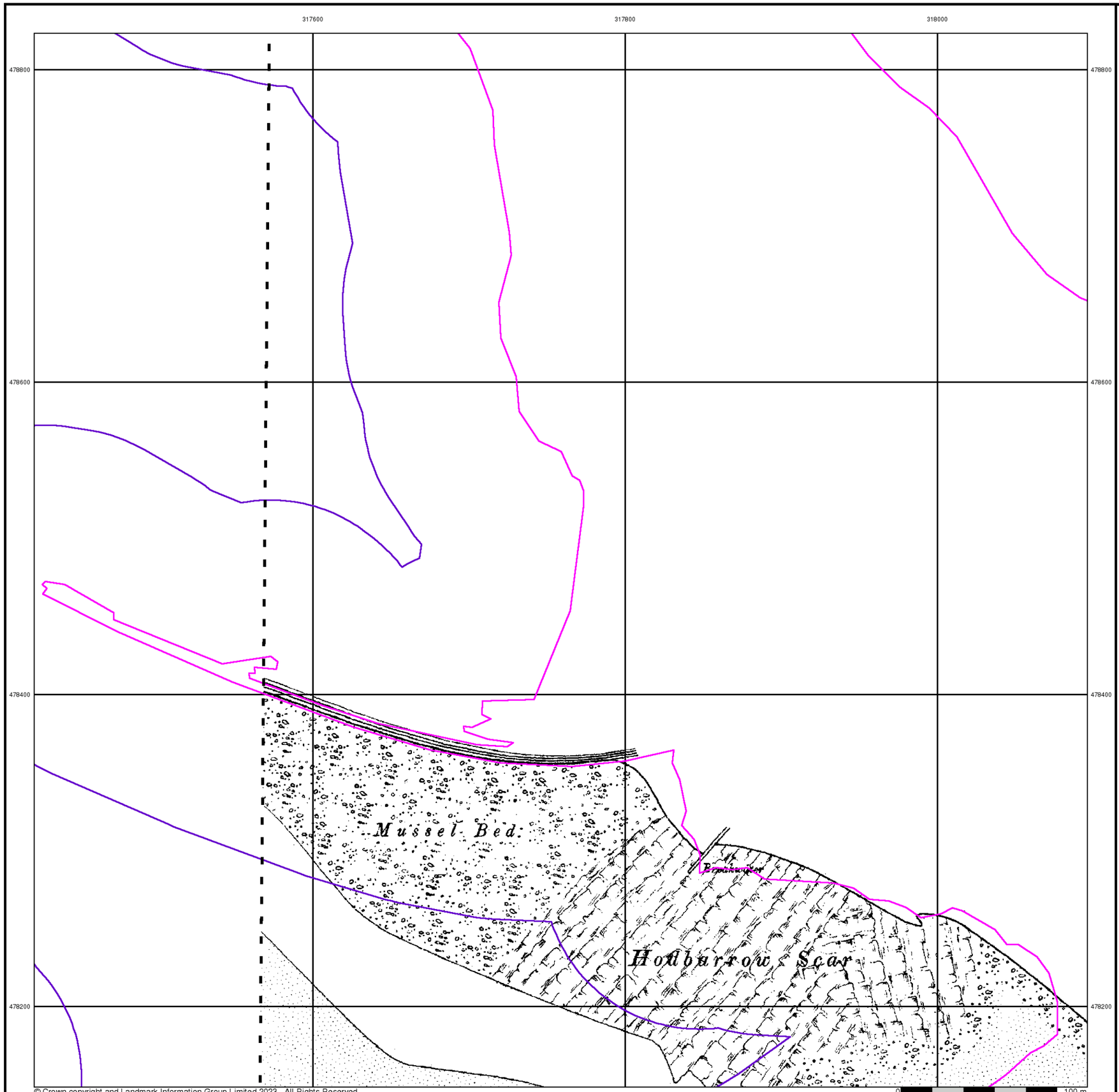

curtins

Lancashire And Furness

Published 1891

Source map scale - 1:2,500

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

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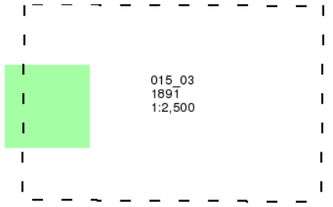
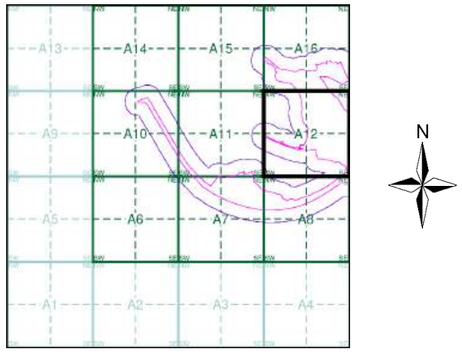


Historical Map - Segment A12



Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	100

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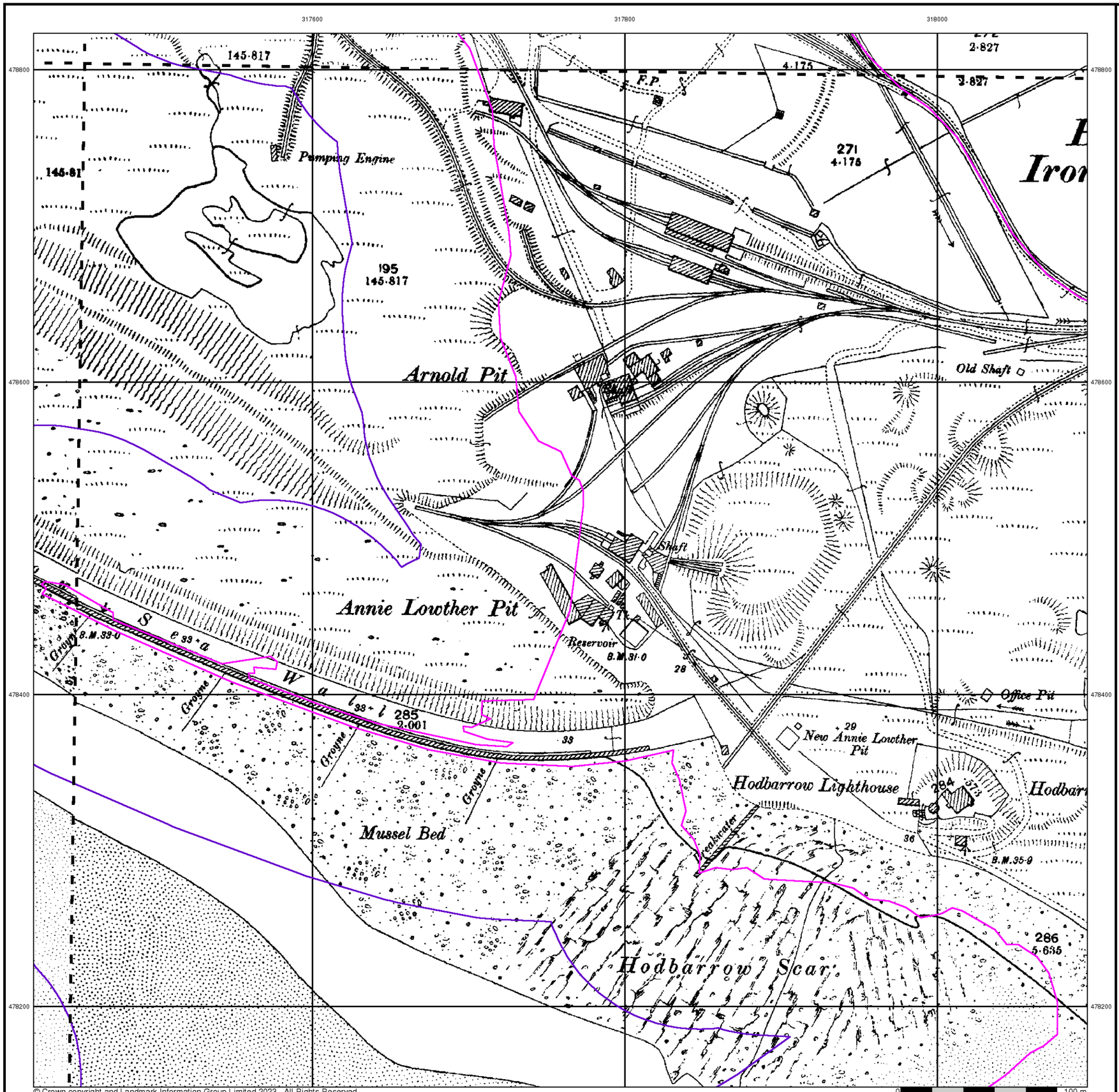


curtins

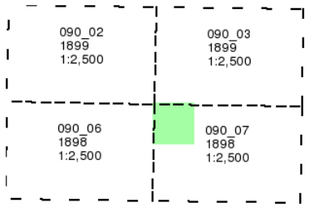
Cumberland

Published 1898 - 1899

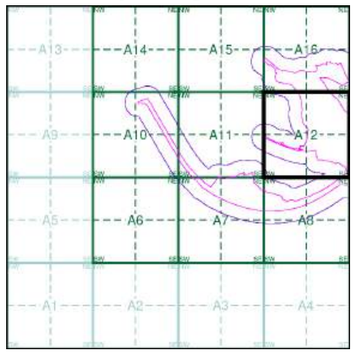
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A12



Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	100

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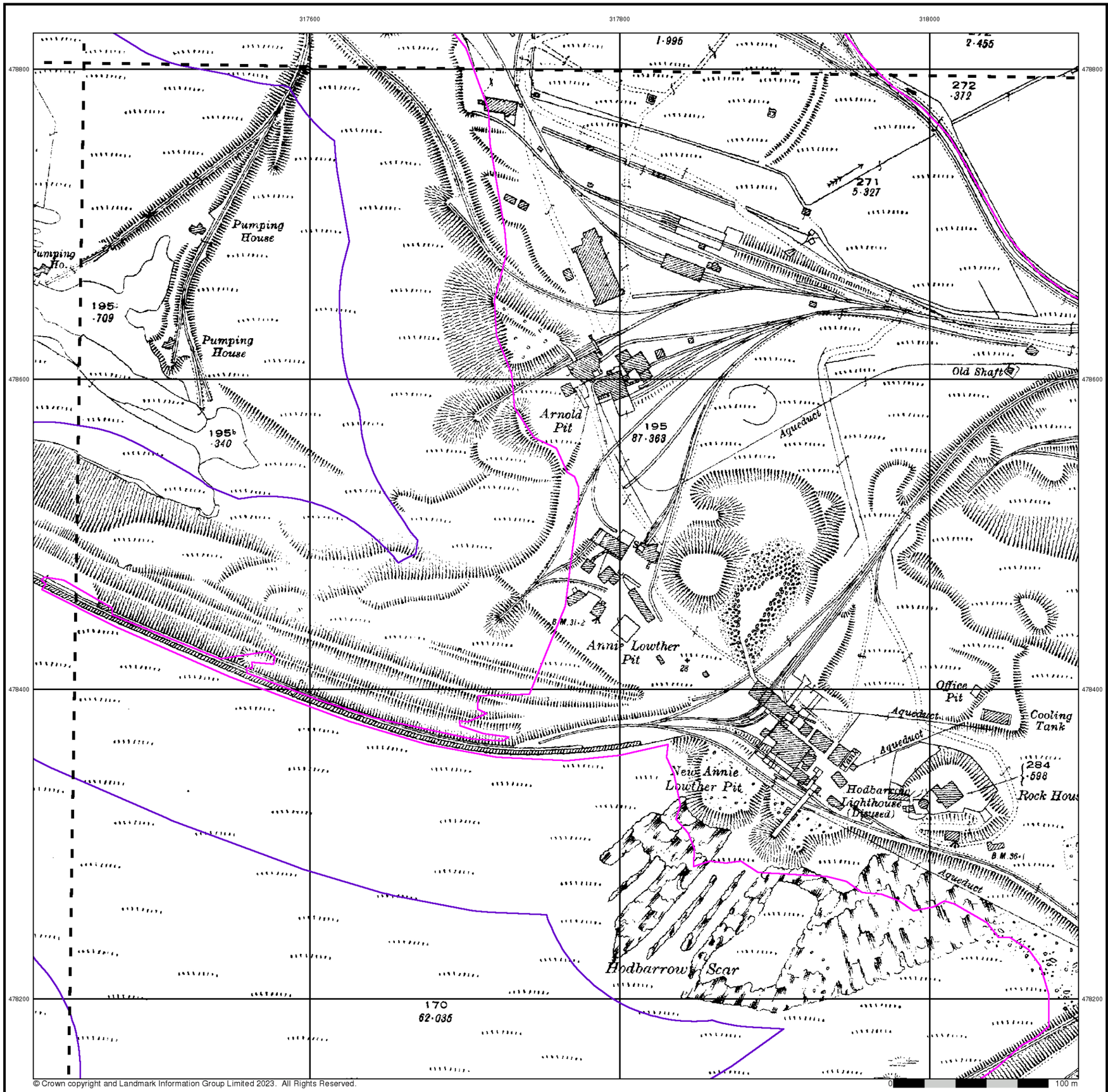


curtins

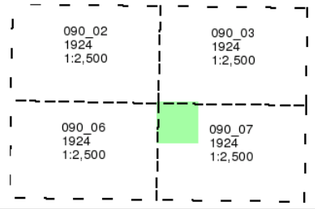
Cumberland

Published 1924

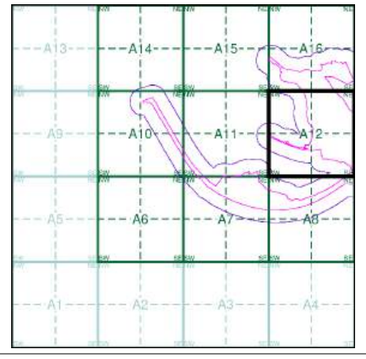
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A12



Order Details

Order Number:	307697430_1_1
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National Grid Reference:	316920, 478320
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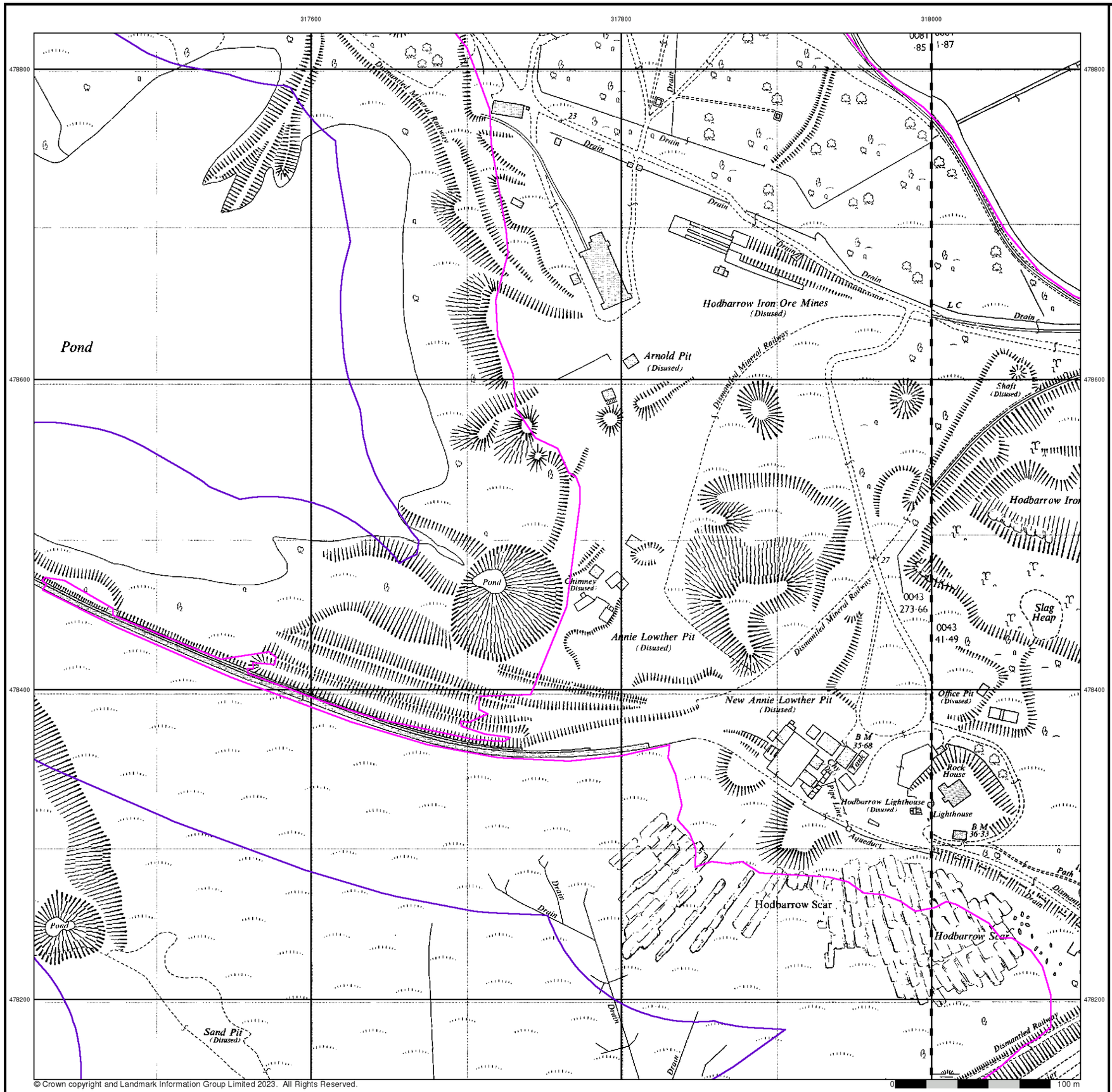


curtins

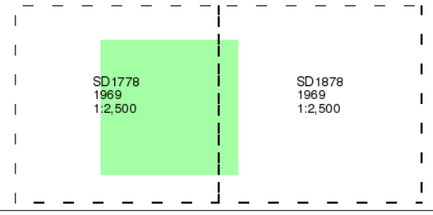
Ordnance Survey Plan

Published 1969

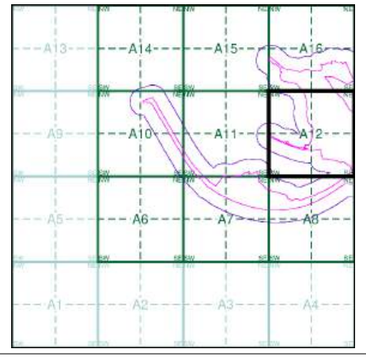
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A12



Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

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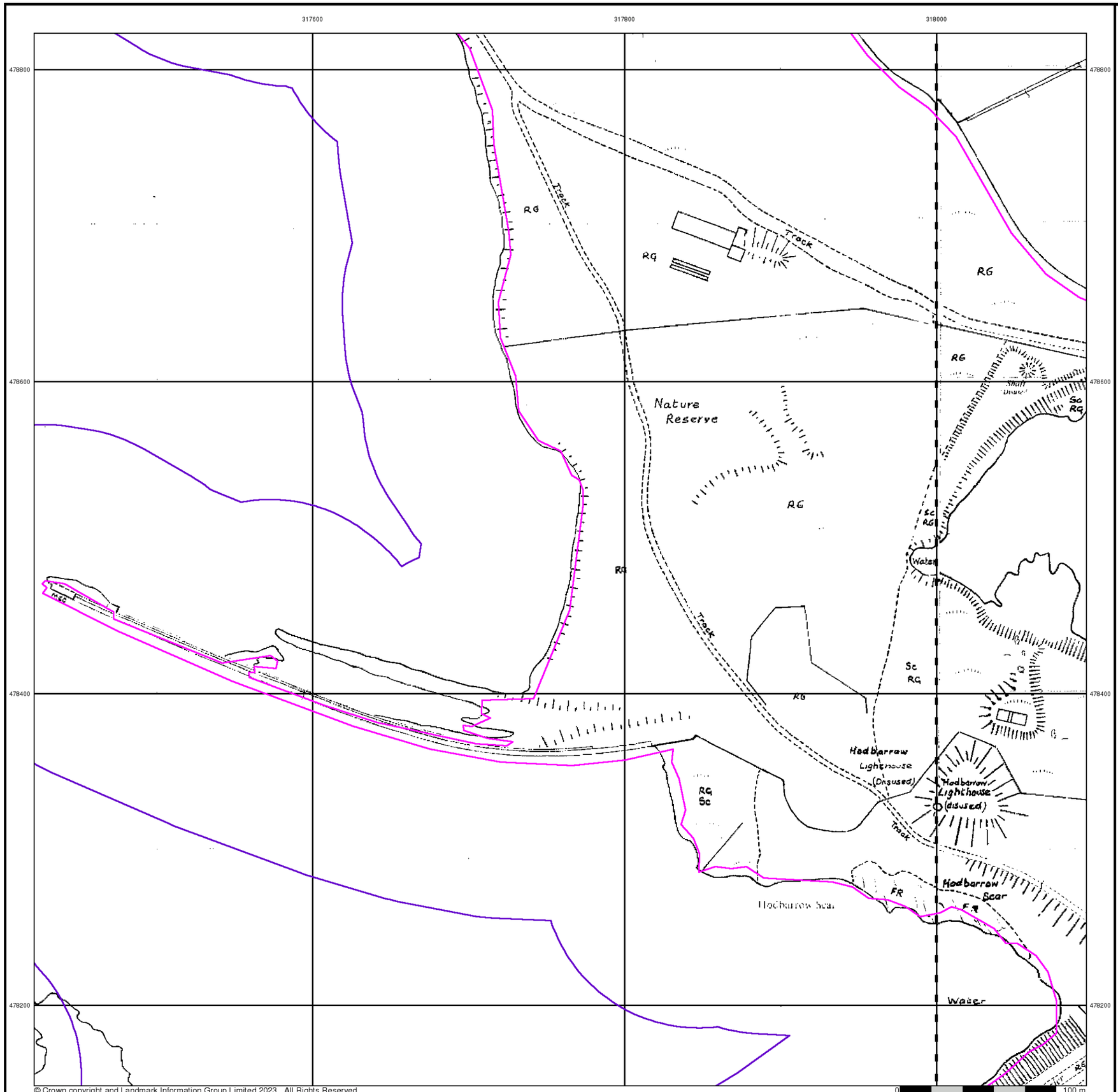


curtins

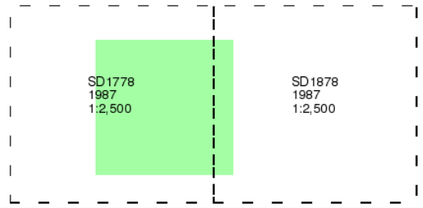
Additional SIMs

Published 1987

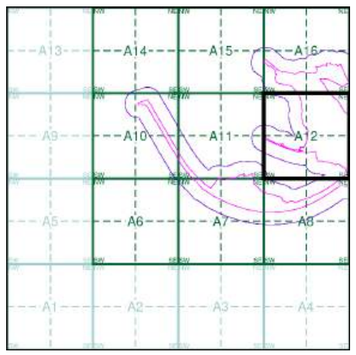
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A12



Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	100

Site Details

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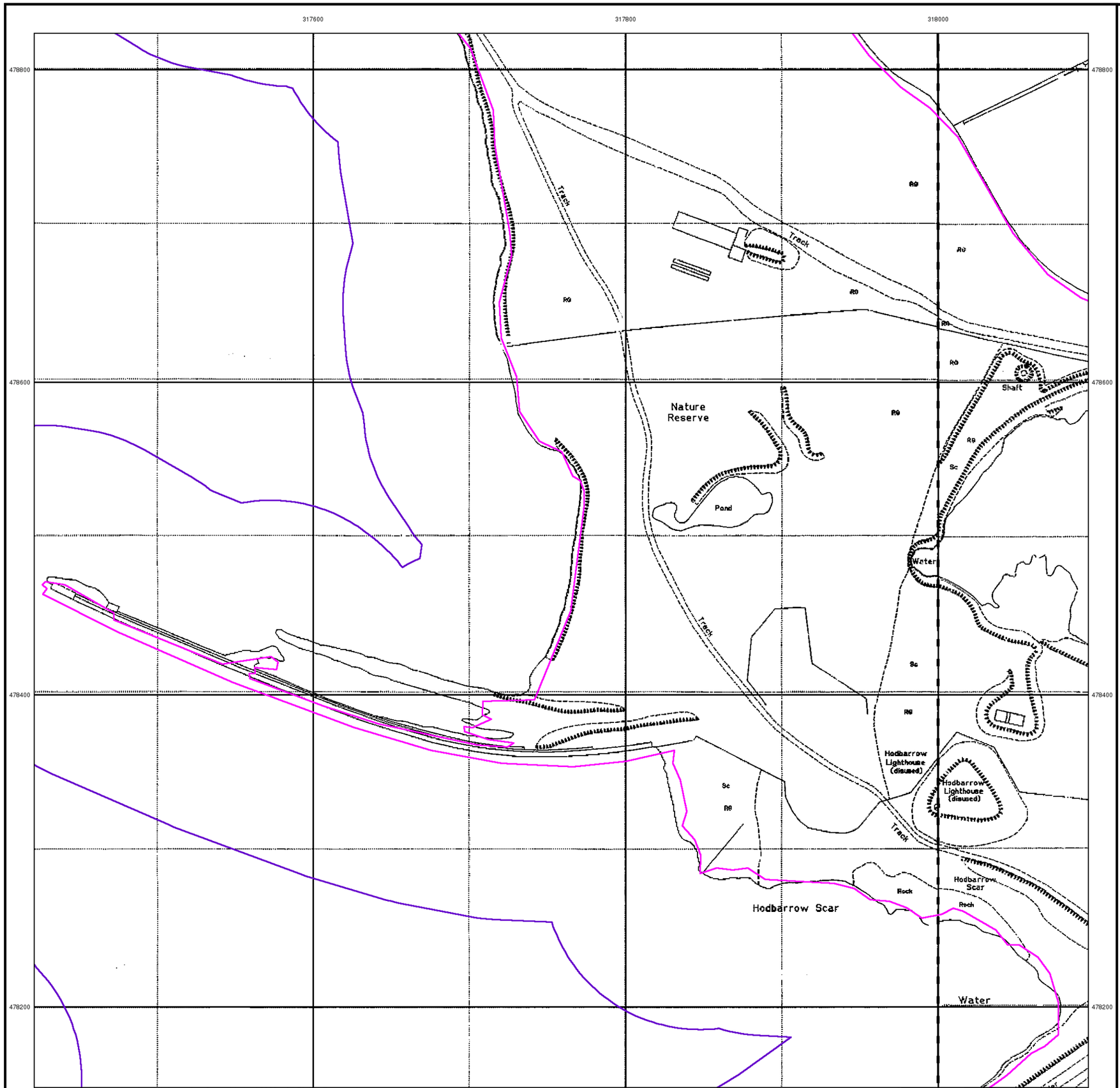


curtins

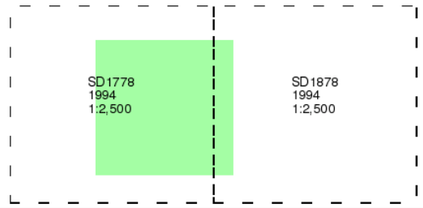
Large-Scale National Grid Data

Published 1994

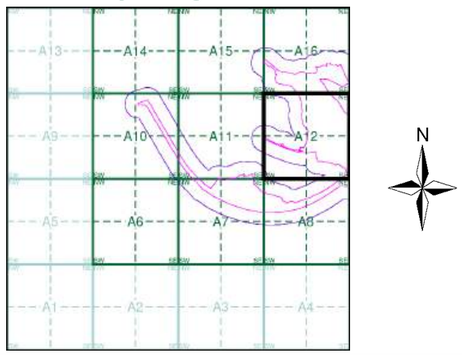
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A12



Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	100

Site Details

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Web: www.envirocheck.co.uk

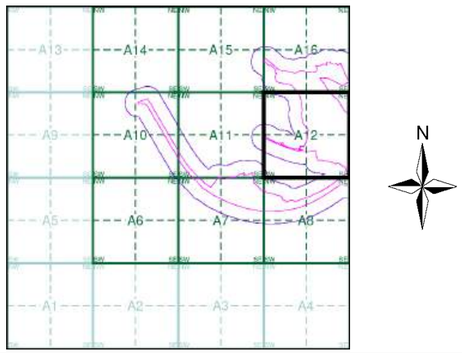
curtins

Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A12



Order Details

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National Grid Reference:	316920, 478320
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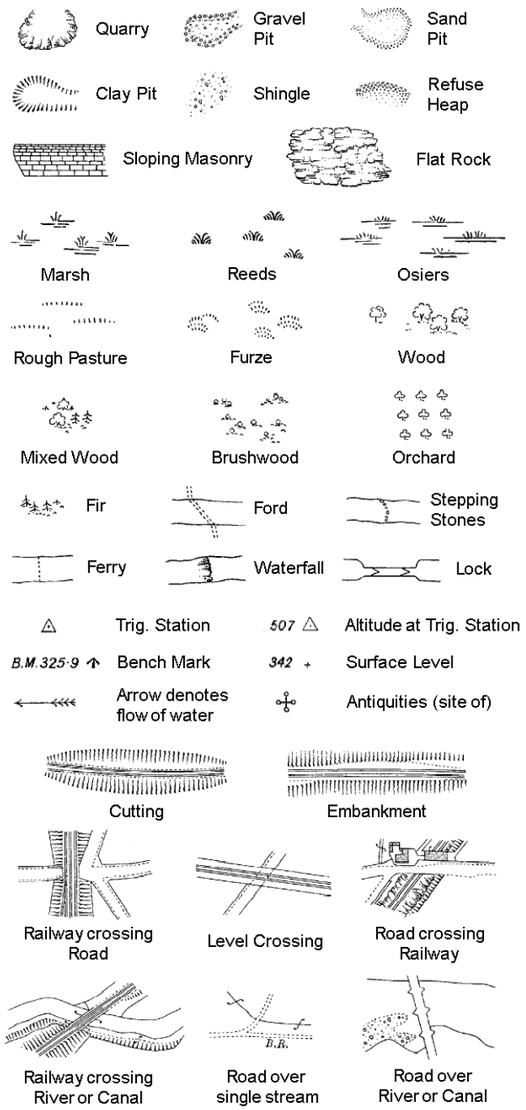
Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

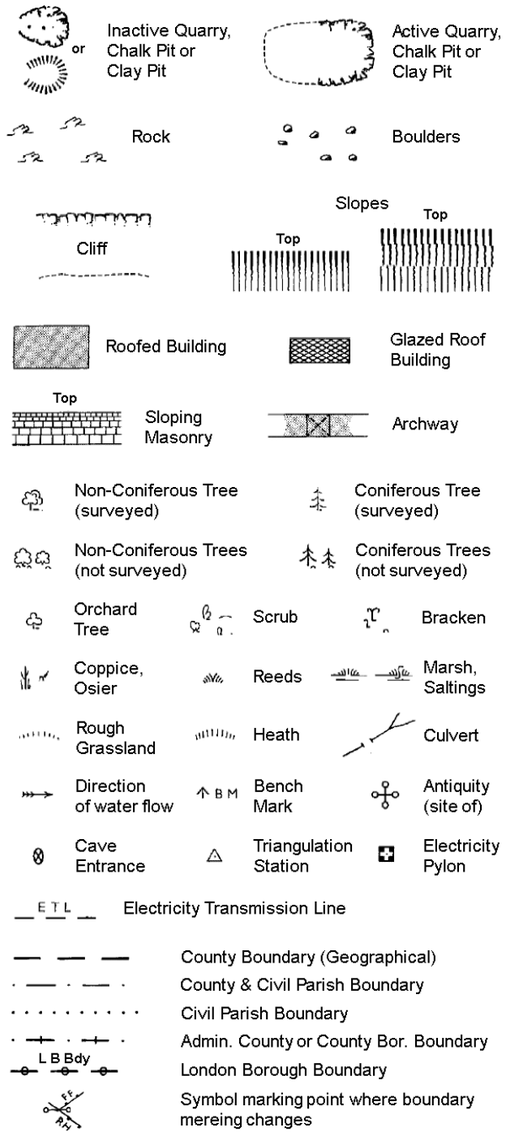
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

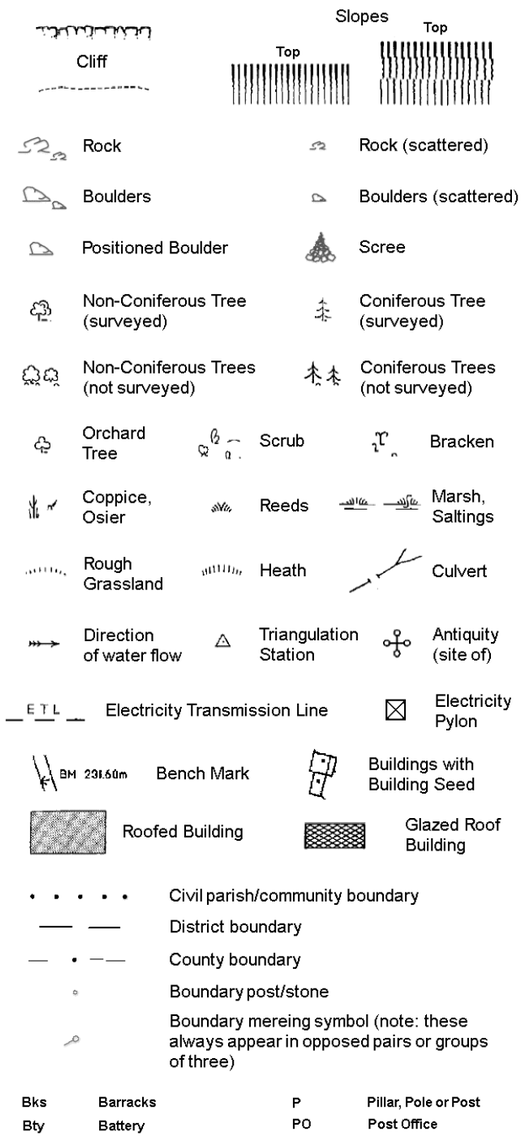
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

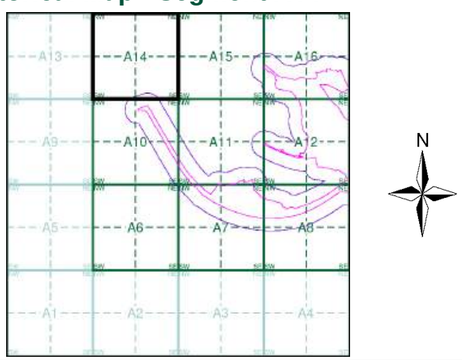
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

curtins

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cumberland	1:2,500	1862	2
Cumberland	1:2,500	1898 - 1899	3
Cumberland	1:2,500	1924	4
Ordnance Survey Plan	1:2,500	1969	5
Additional SIMs	1:2,500	1981 - 1987	6
Additional SIMs	1:2,500	1987 - 1989	7
Additional SIMs	1:2,500	1989	8
Ordnance Survey Plan	1:2,500	1991	9
Large-Scale National Grid Data	1:2,500	1994	10
Large-Scale National Grid Data	1:2,500	1996	11
Historical Aerial Photography	1:2,500	2000	12

Historical Map - Segment A14



Order Details

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National Grid Reference: 316920, 478320
Slice: A
Site Area (Ha): 57.66
Search Buffer (m): 100

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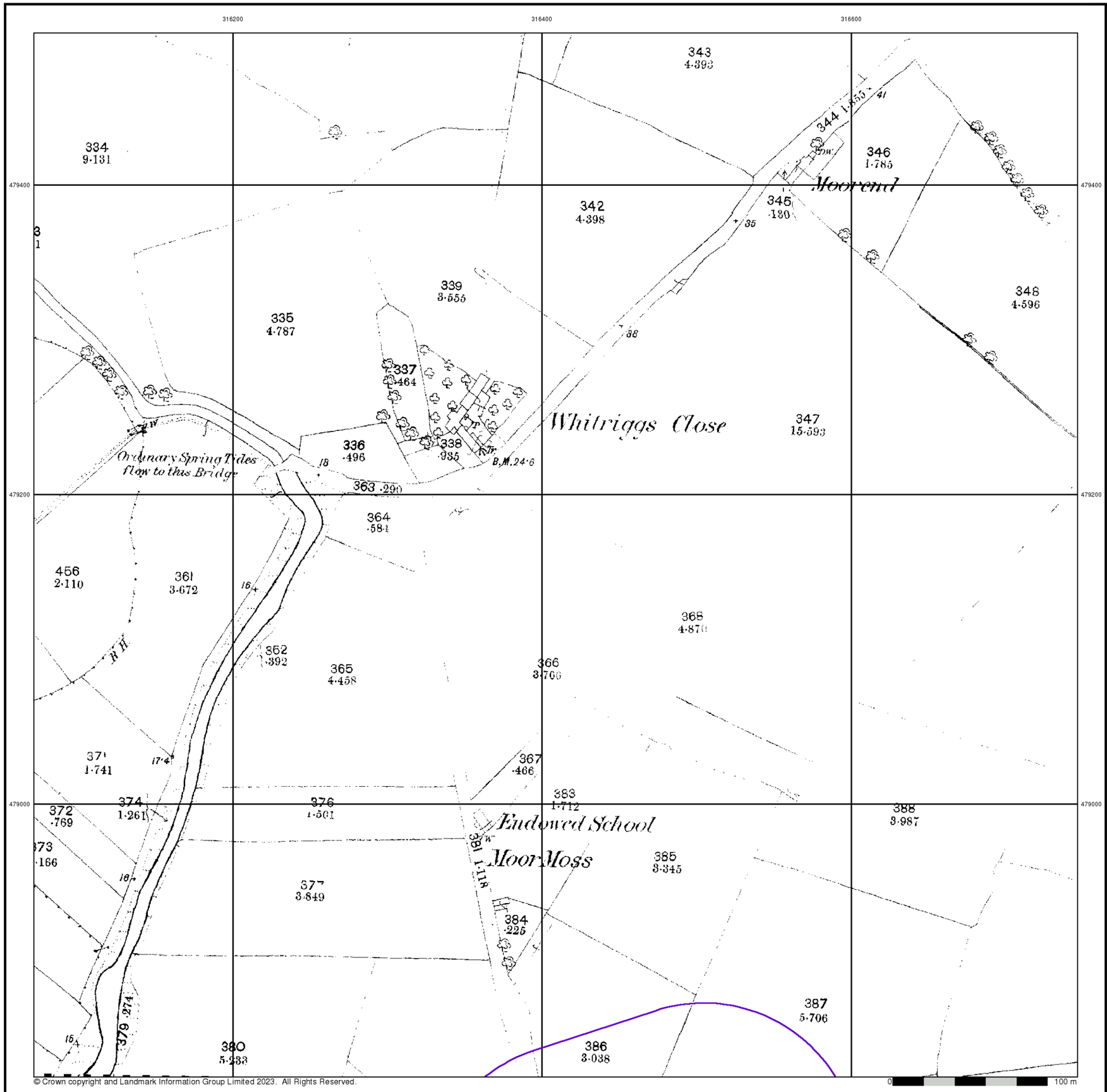
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



curtins

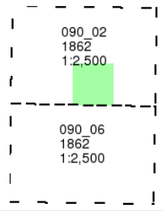
Cumberland

Published 1862

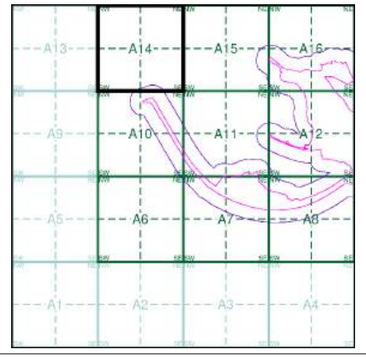
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A14



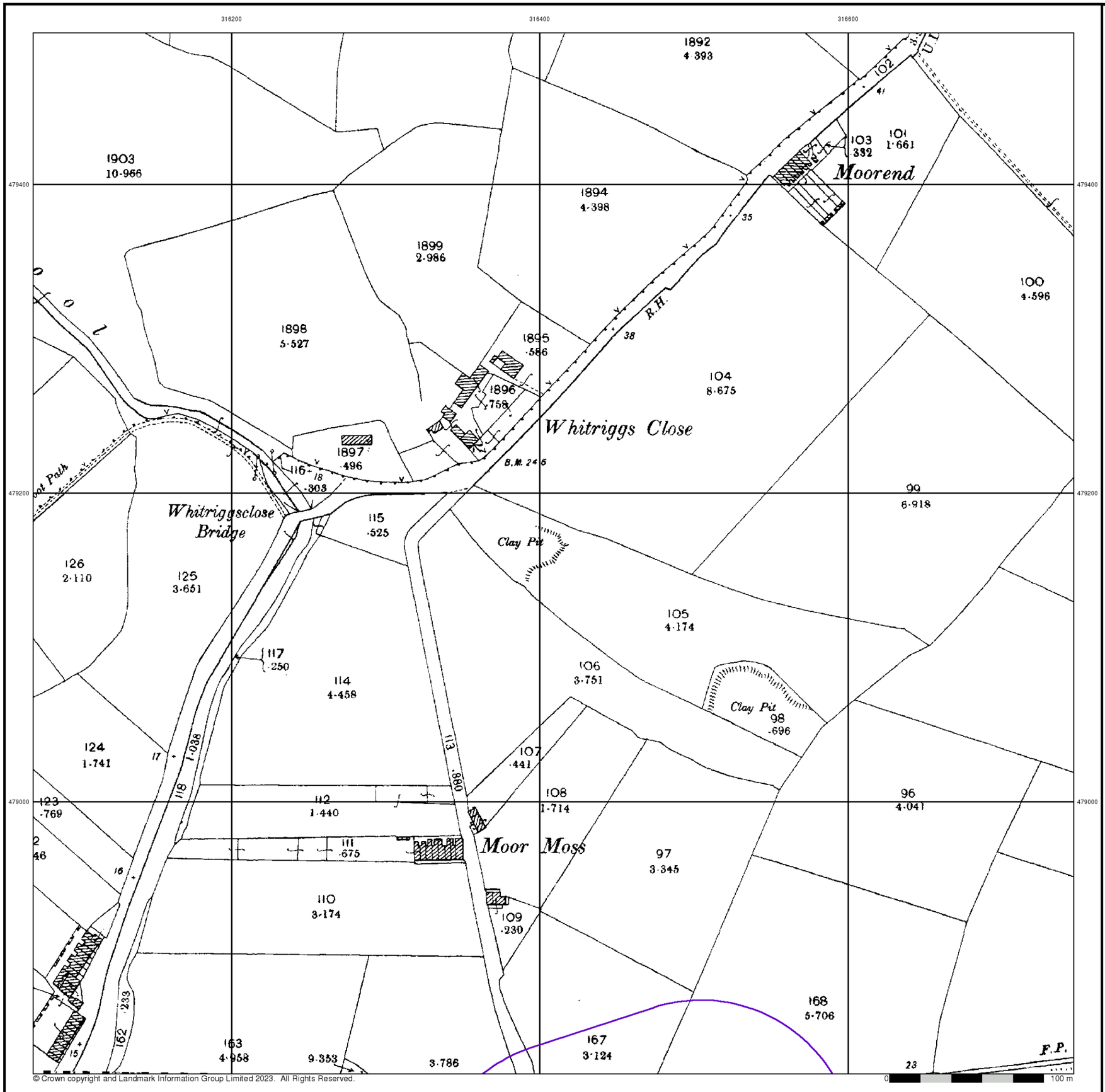
Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

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



curtins

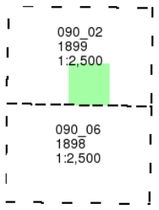
Cumberland

Published 1898 - 1899

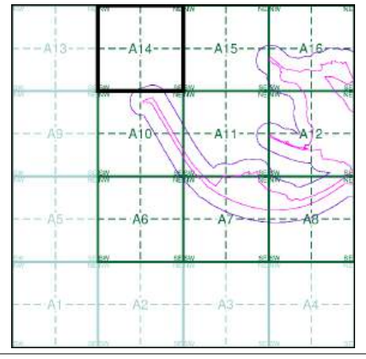
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A14



Order Details

Order Number:	307697430_1_1
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National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

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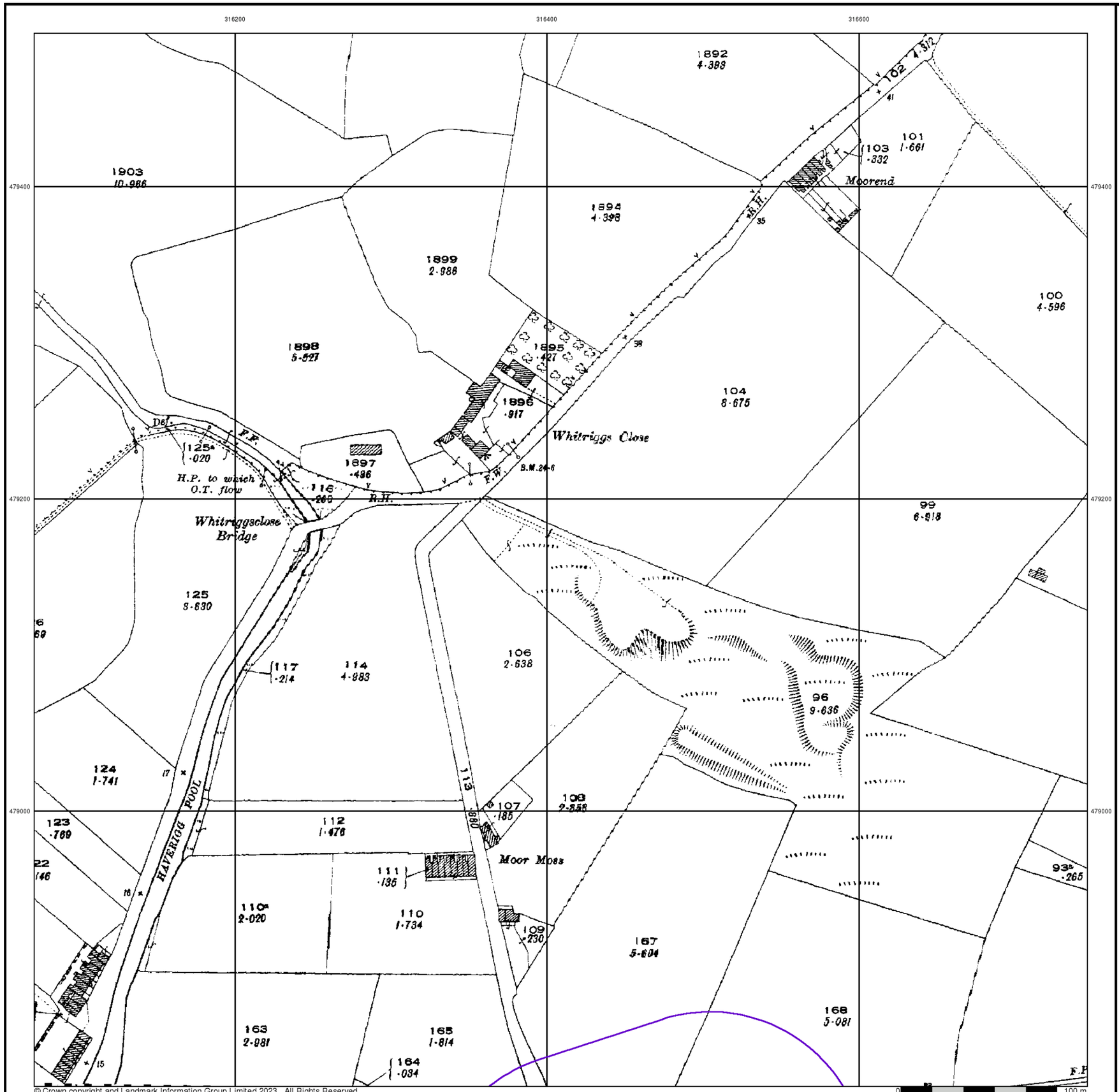


curtins

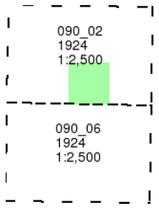
Cumberland

Published 1924

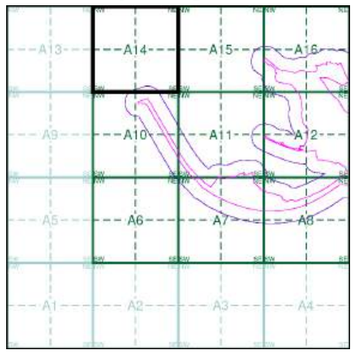
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A14



Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

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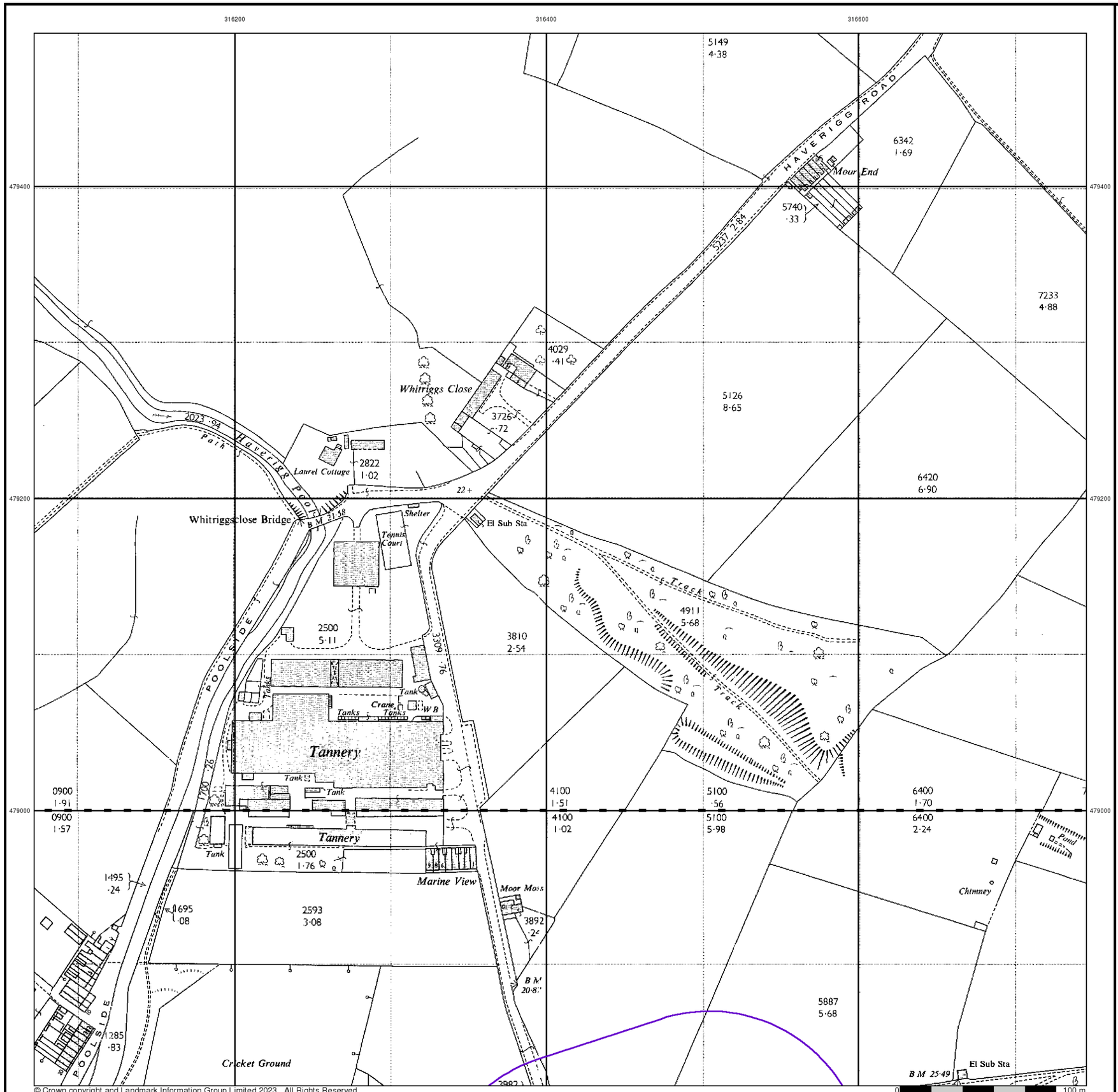


curtins

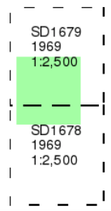
Ordnance Survey Plan

Published 1969

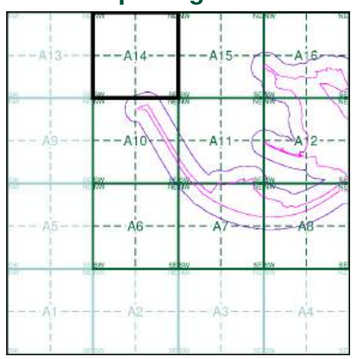
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A14



Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	100

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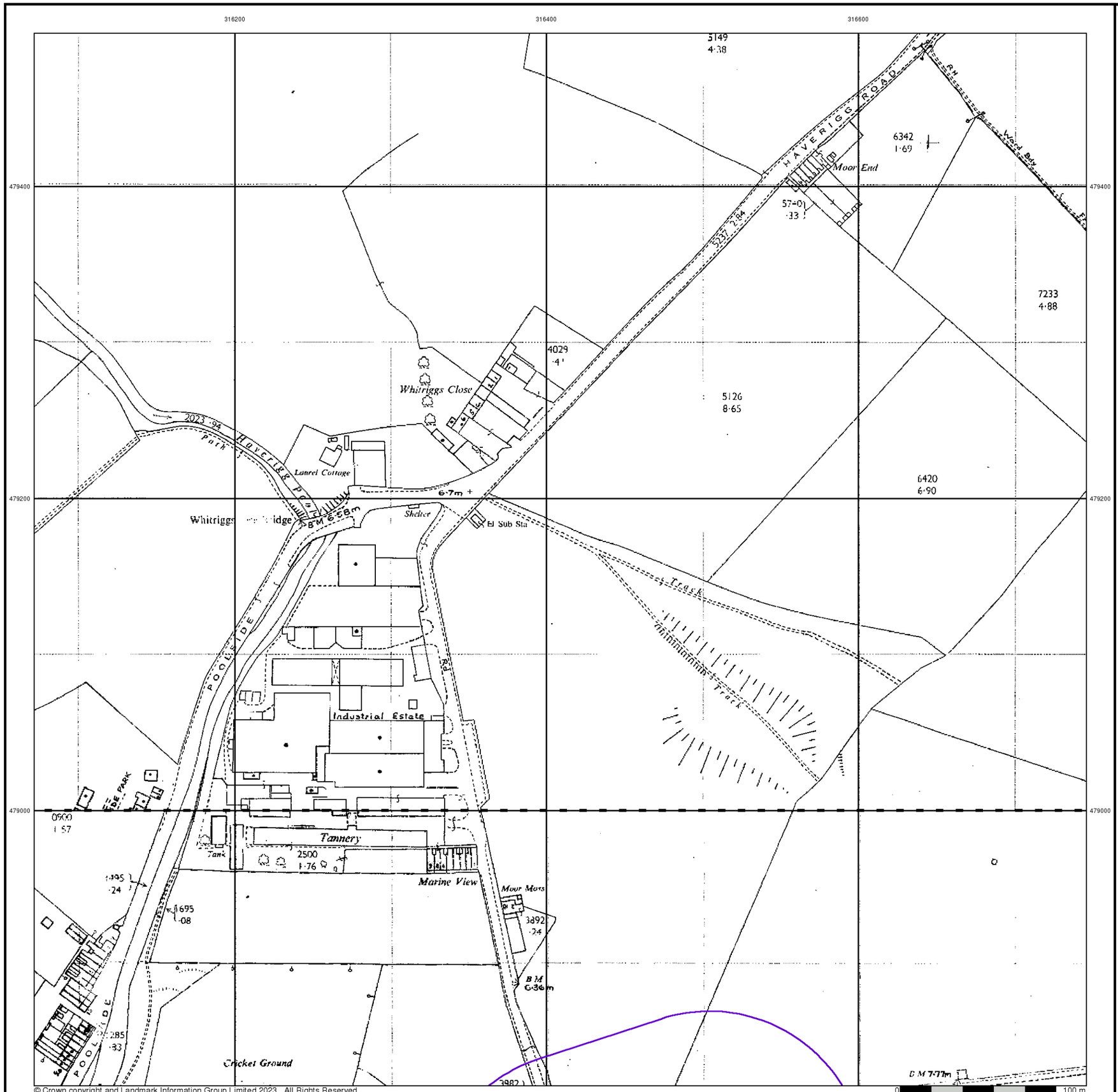


curtins

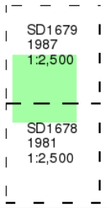
Additional SIMs

Published 1981 - 1987

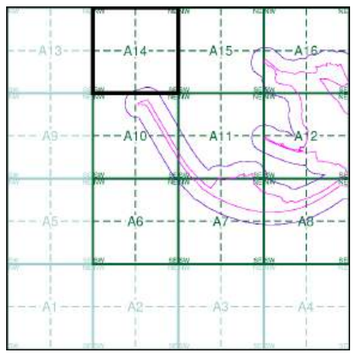
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A14

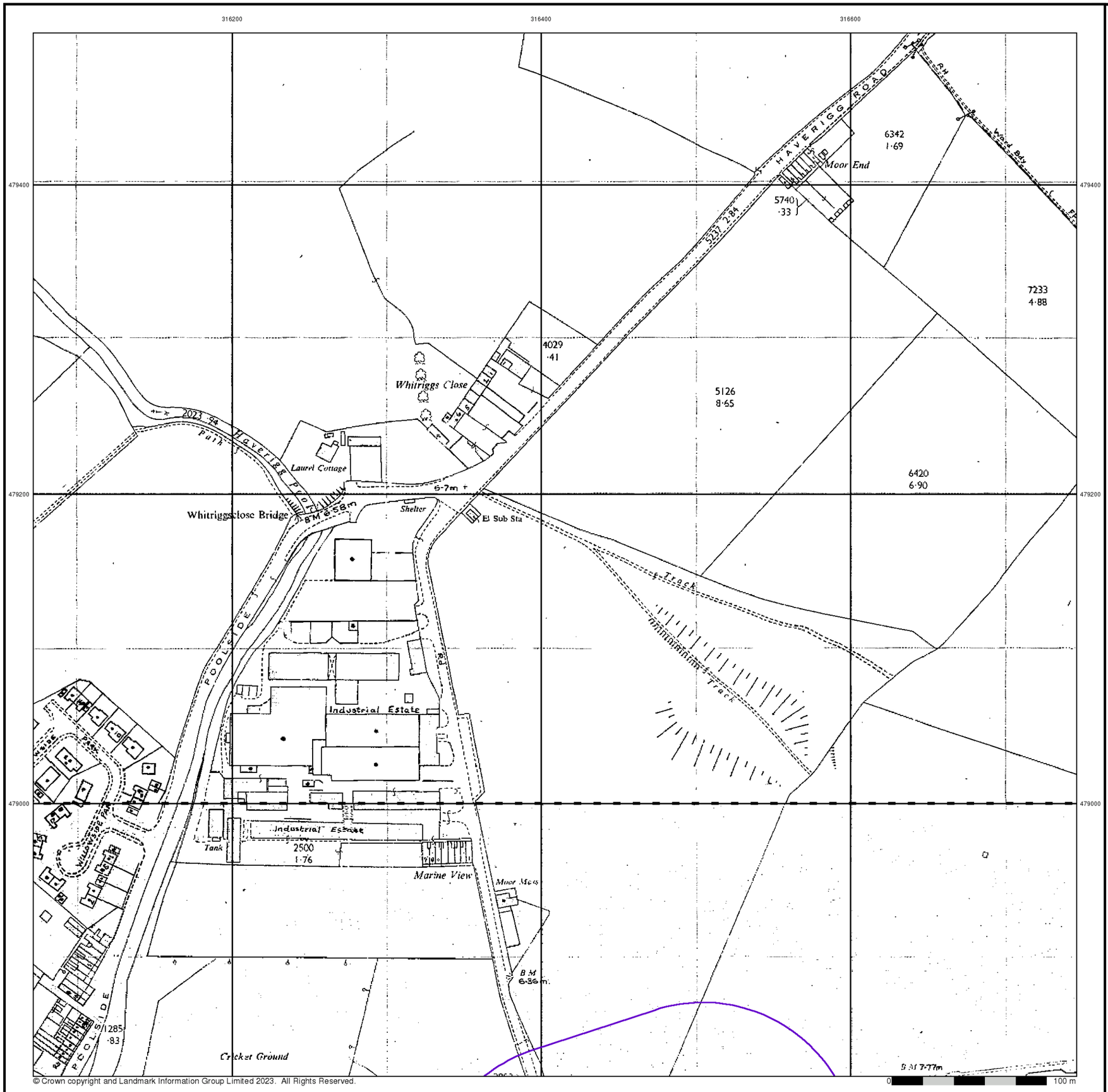


Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG



curtins

Additional SIMs

Published 1987 - 1989

Source map scale - 1:2,500

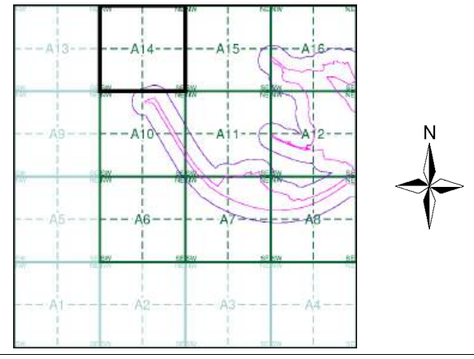
The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name(s) and Date(s)

SD1679
1989
1:2,500

SD1678
1987
1:2,500

Historical Map - Segment A14



Order Details

Order Number:	307697430_1_1
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Site Details

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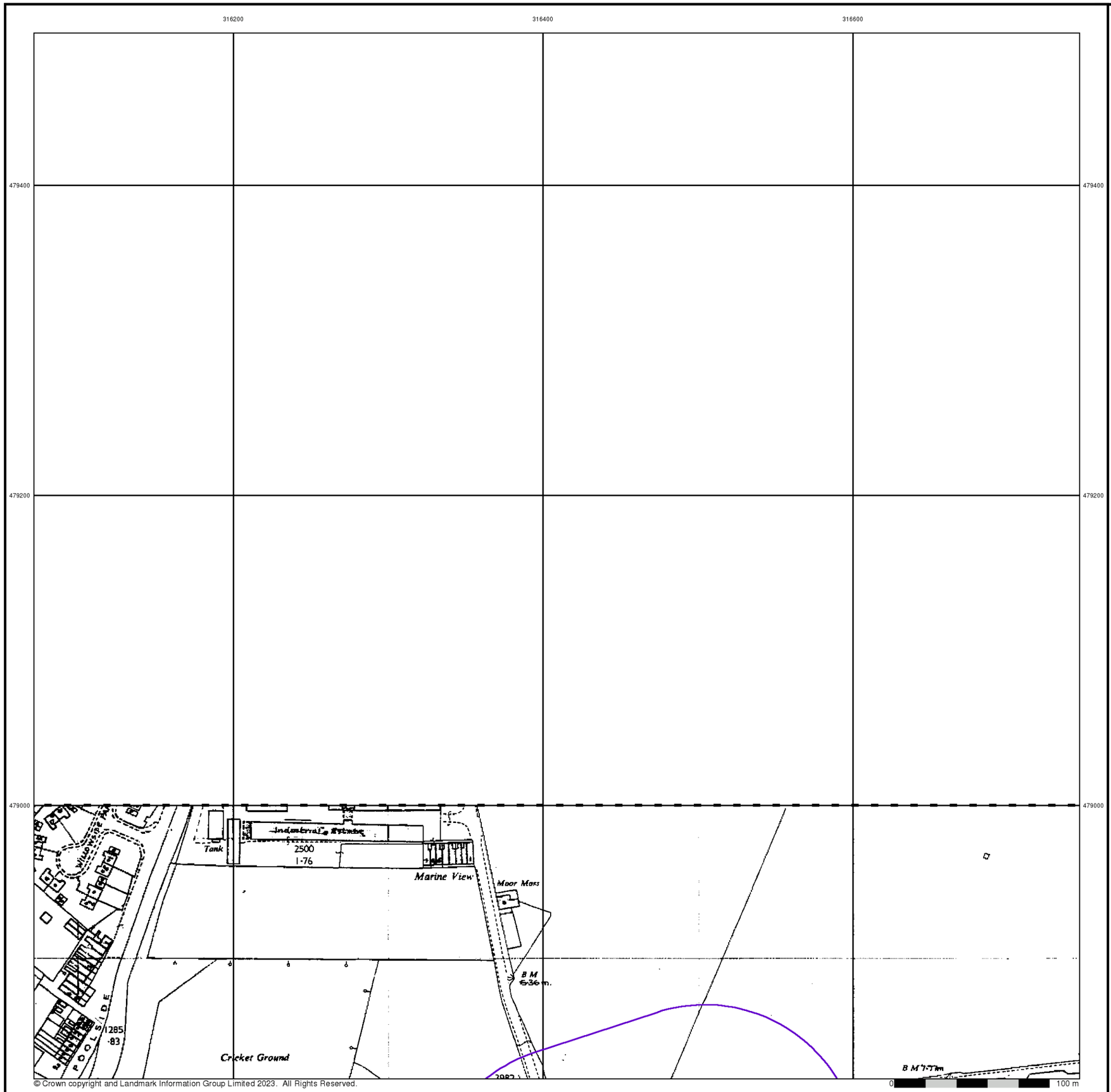


curtins

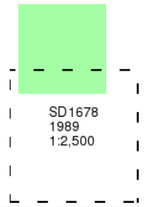
Additional SIMs

Published 1989

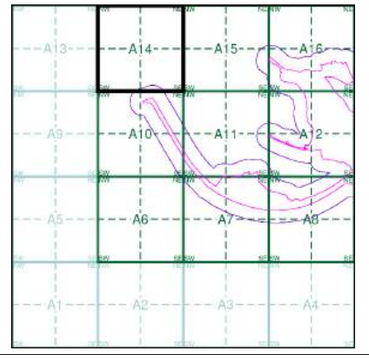
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A14



Order Details

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Search Buffer (m):	100

Site Details

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Ordnance Survey Plan

Published 1991

Source map scale - 1:2,500

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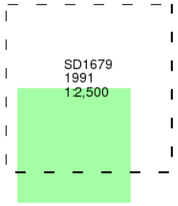
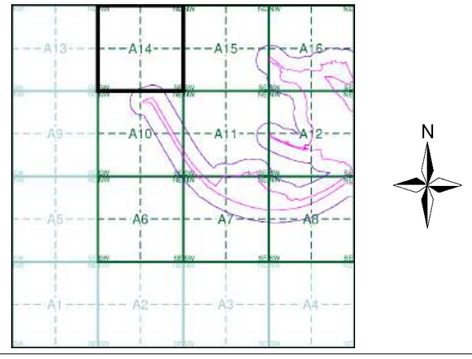
Map Name(s) and Date(s)



Historical Map - Segment A14



Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

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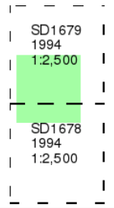
Large-Scale National Grid Data

Published 1994

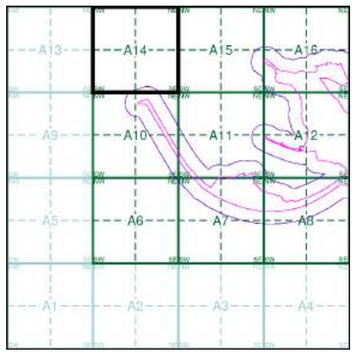
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A14



Order Details

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Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
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316200
316400
316600
479400
479200
479000
Industrial Estate
Marine View
Moor Moss
BM 6.36m
Cricket Ground
WILLOWSIDE PARK
POOLSIDE
285
0
100 m

curtins

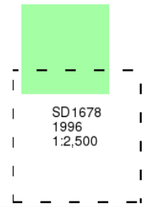
Large-Scale National Grid Data

Published 1996

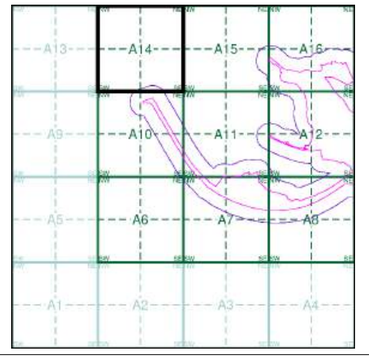
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A14



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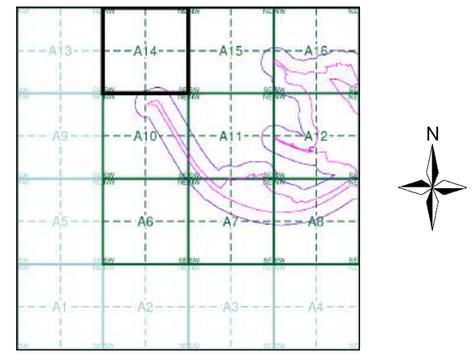
curtins

Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A14



Order Details

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Slice:	A
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Search Buffer (m):	100

Site Details

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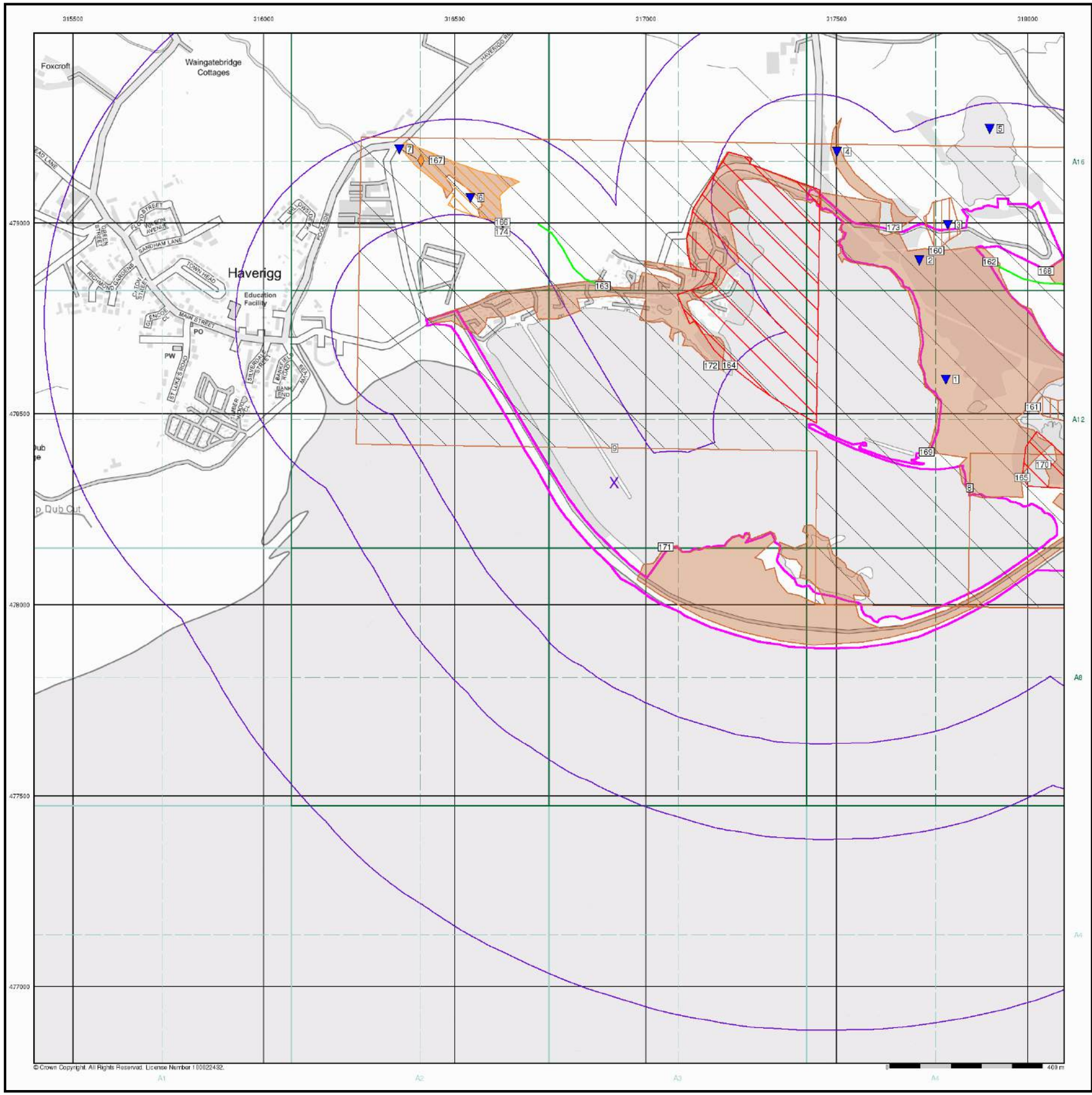


curtins

Historical Land Use Information (1:10,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Map ID

Several of Type at Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts	♦		
Disturbed Ground	♦		
General Quarrying	♦		
Heap, unknown constituents	♦		
Mineral Railway	♦		
Mining and Quarrying General	♦		
Mining of Coal & Lignite	♦		
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits	♦		

Historical Land Use

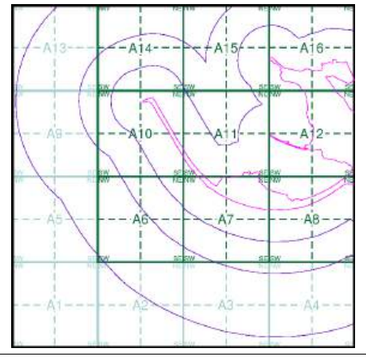
	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	●		
Potentially Infilled Land (Water)	●		
Former Marsh	✠		

Mining Data

Potential Mining Area

BGS Recorded Mineral Site

Mining and Ground Stability - Slice A



Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	1000

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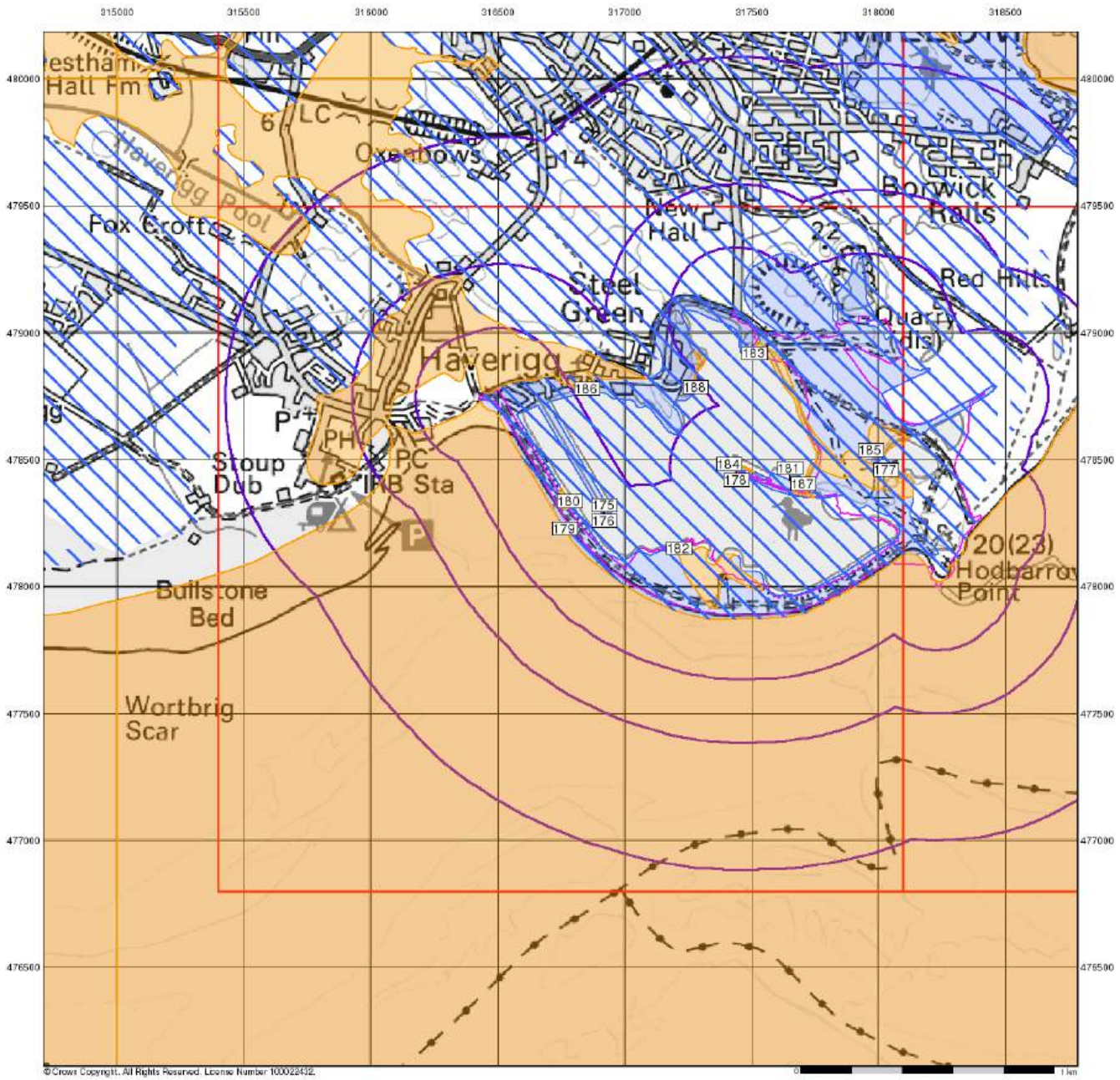


curtins

Ground Stability Data (1:50,000)

General

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

Potential for Compressible Ground Stability Hazards

High | Low | Moderate | Very Low

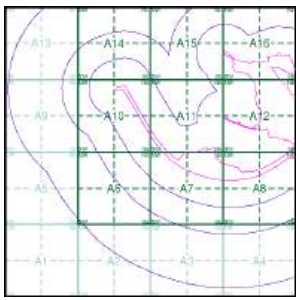
Potential for Collapsible Ground Stability Hazards

High | Low | Moderate | Very Low

Brine Pumping and Salt Mining

	Point	Polygon
Brine Pumping Related Feature	▲	▨
Salt Mining Related Feature	▲	▨

Mining and Ground Stability - Slice A



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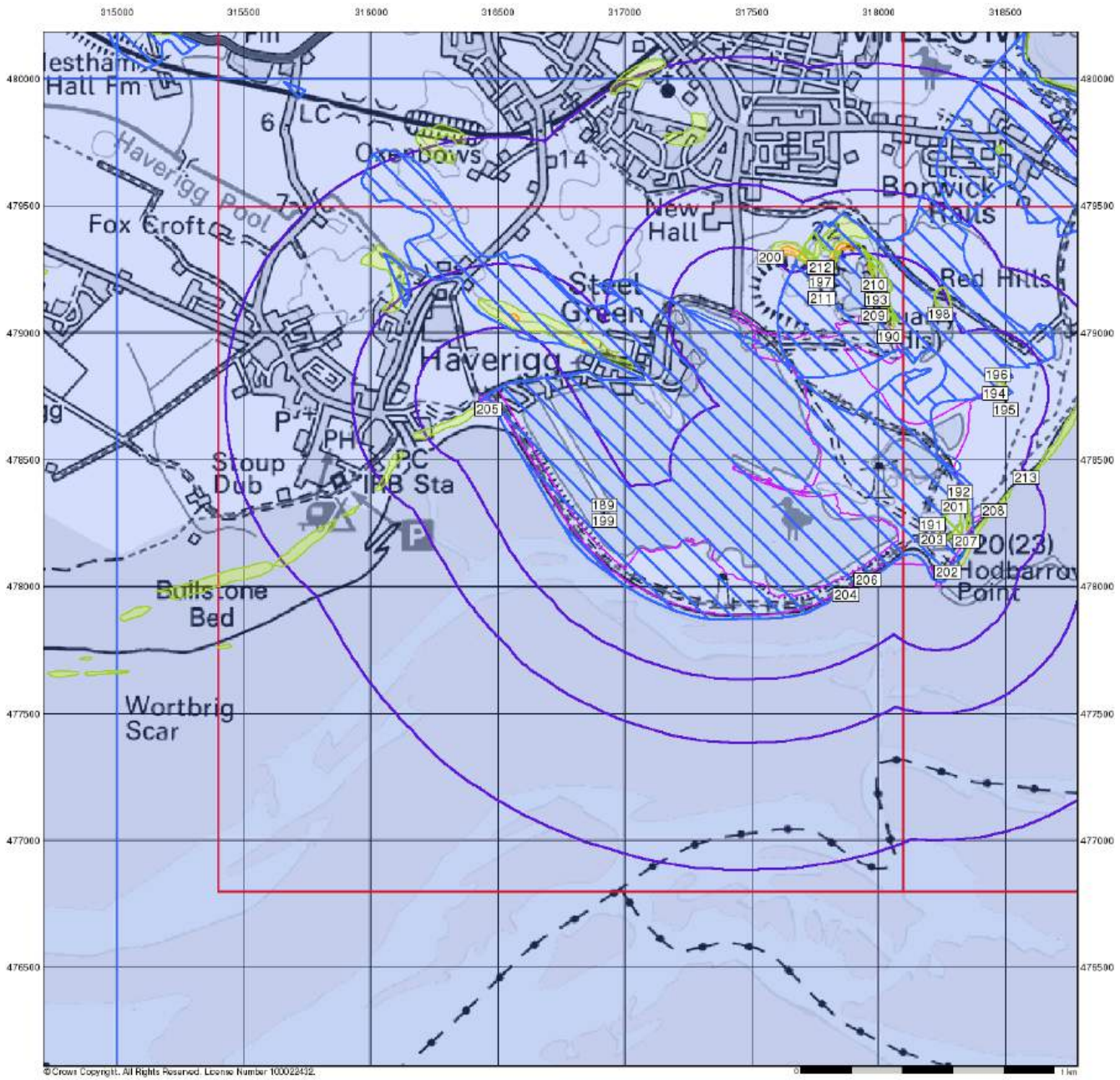


curtins

Ground Stability Data (1:50,000)

General

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

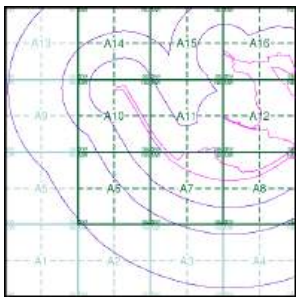
Potential for Landslide Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Ground Dissolution Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice A



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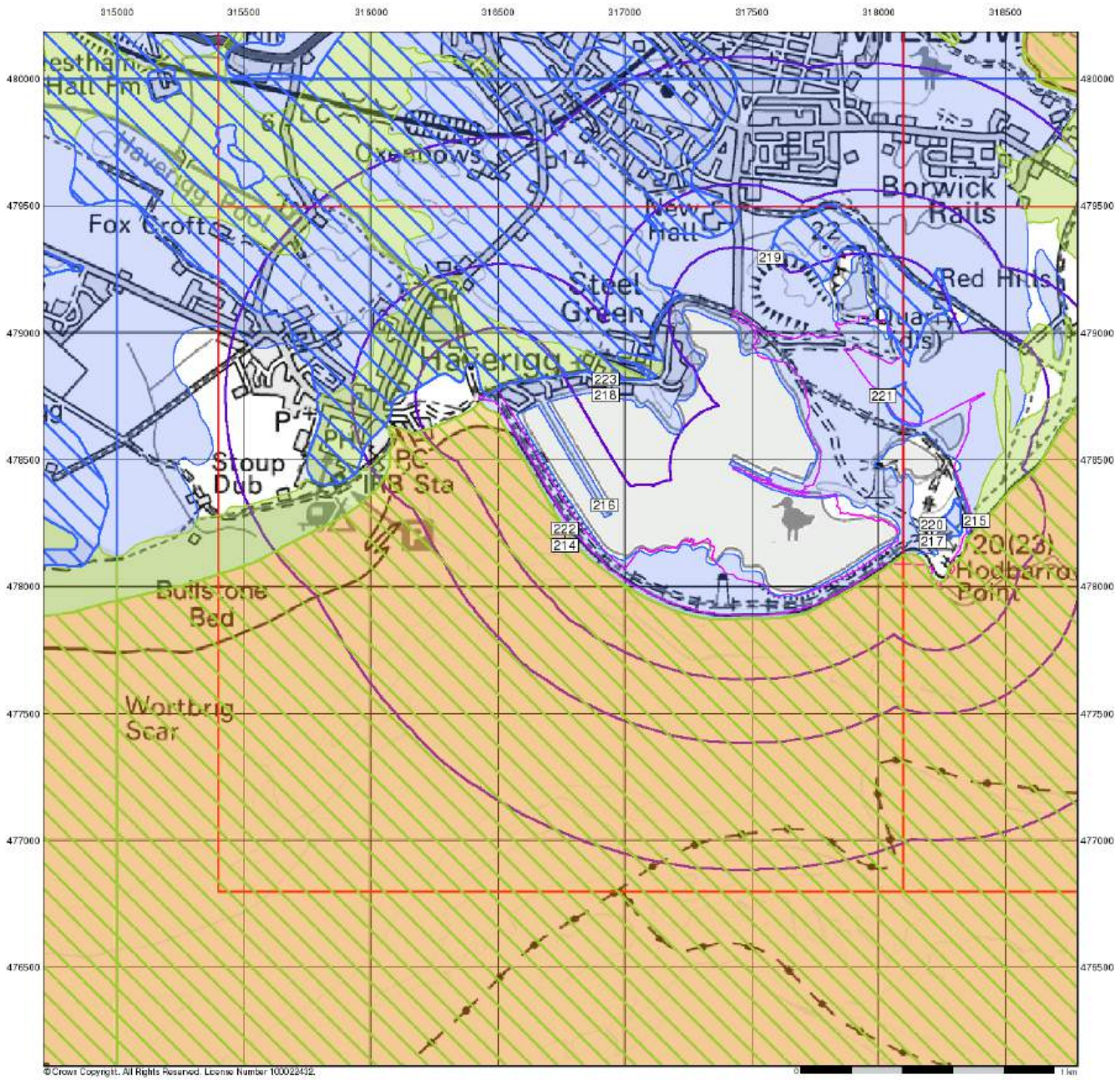


curtins

Ground Stability Data (1:50,000)

General

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

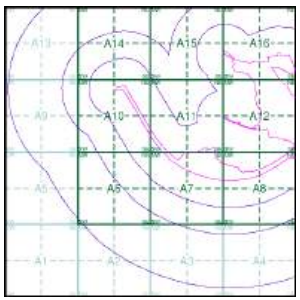
Potential for Running Sand Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice A



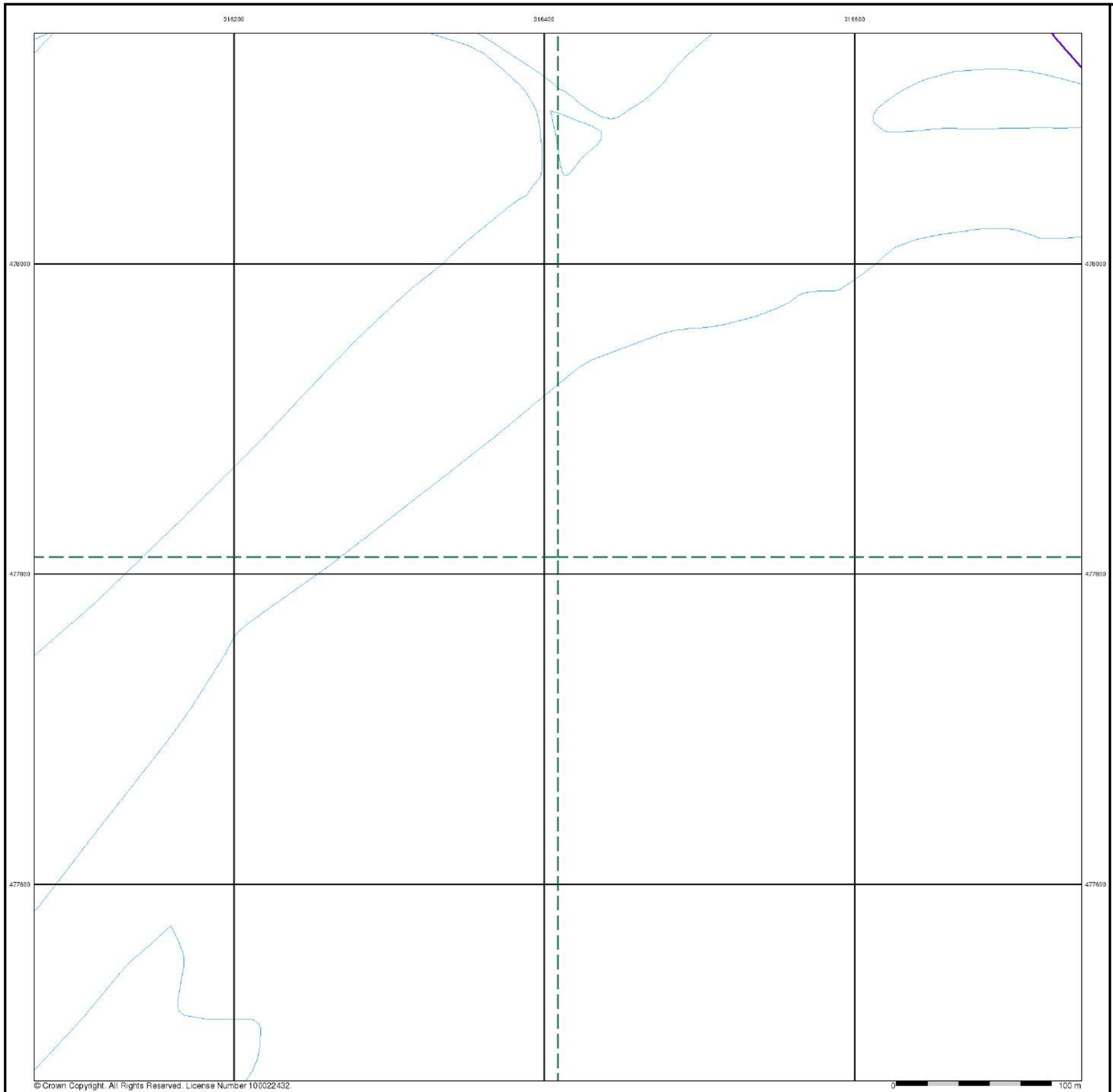
Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	1000

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

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



curtins

General

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

Agency and Hydrological

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

Hazardous Substances

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

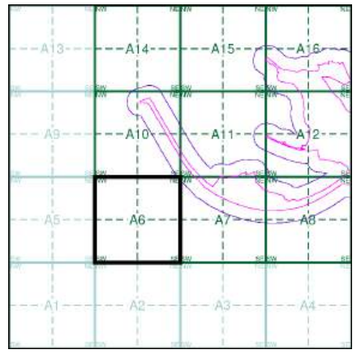
Geological

- BGS Recorded Mineral Site

Waste

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

Site Sensitivity Map - Segment A6



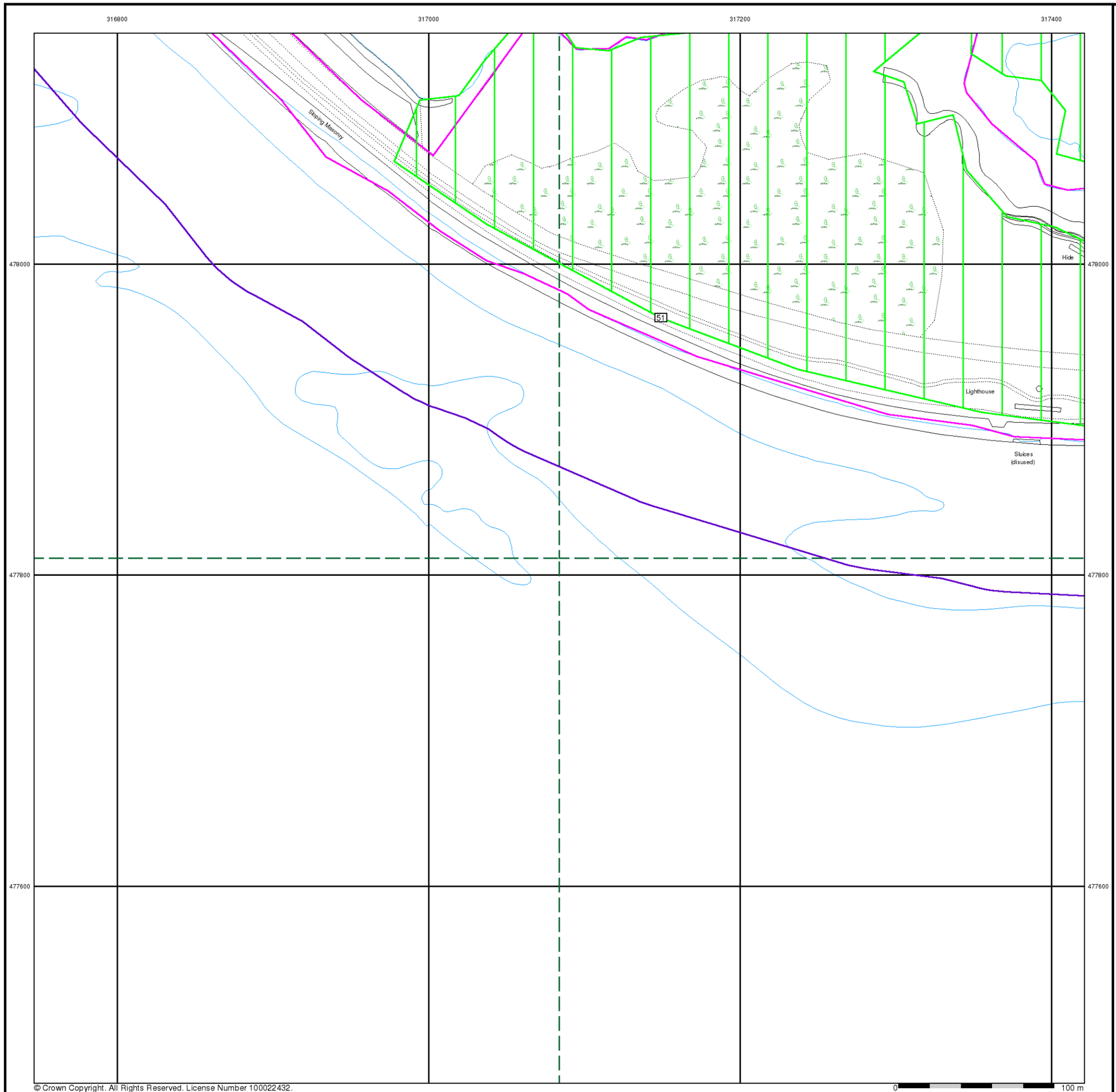
Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Plot Buffer (m):	100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

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



curtins

General

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

Agency and Hydrological

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

Hazardous Substances

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

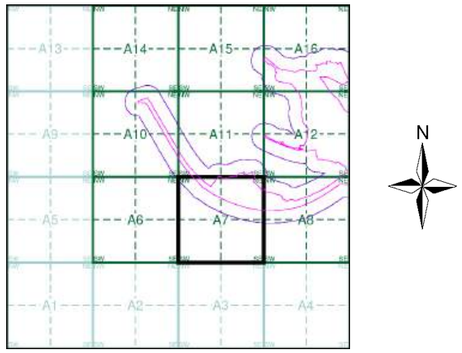
Geological

- BGS Recorded Mineral Site

Waste

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

Site Sensitivity Map - Segment A7



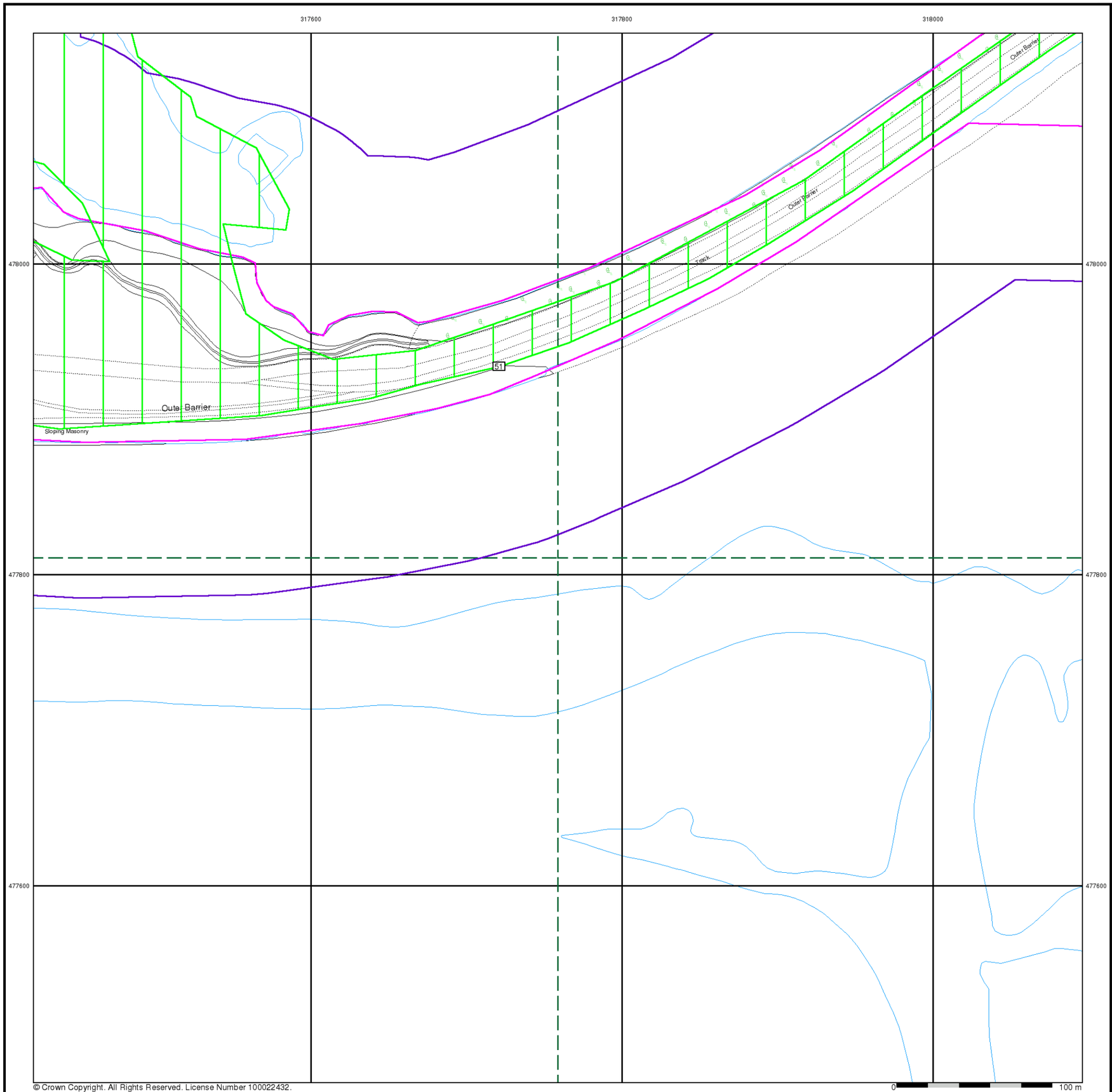
Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Plot Buffer (m):	100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

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



curtins

General

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

Agency and Hydrological

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

Hazardous Substances

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

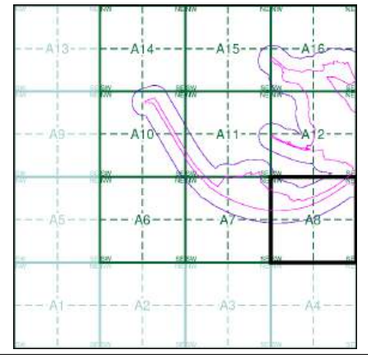
Geological

- BGS Recorded Mineral Site

Waste

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

Site Sensitivity Map - Segment A8



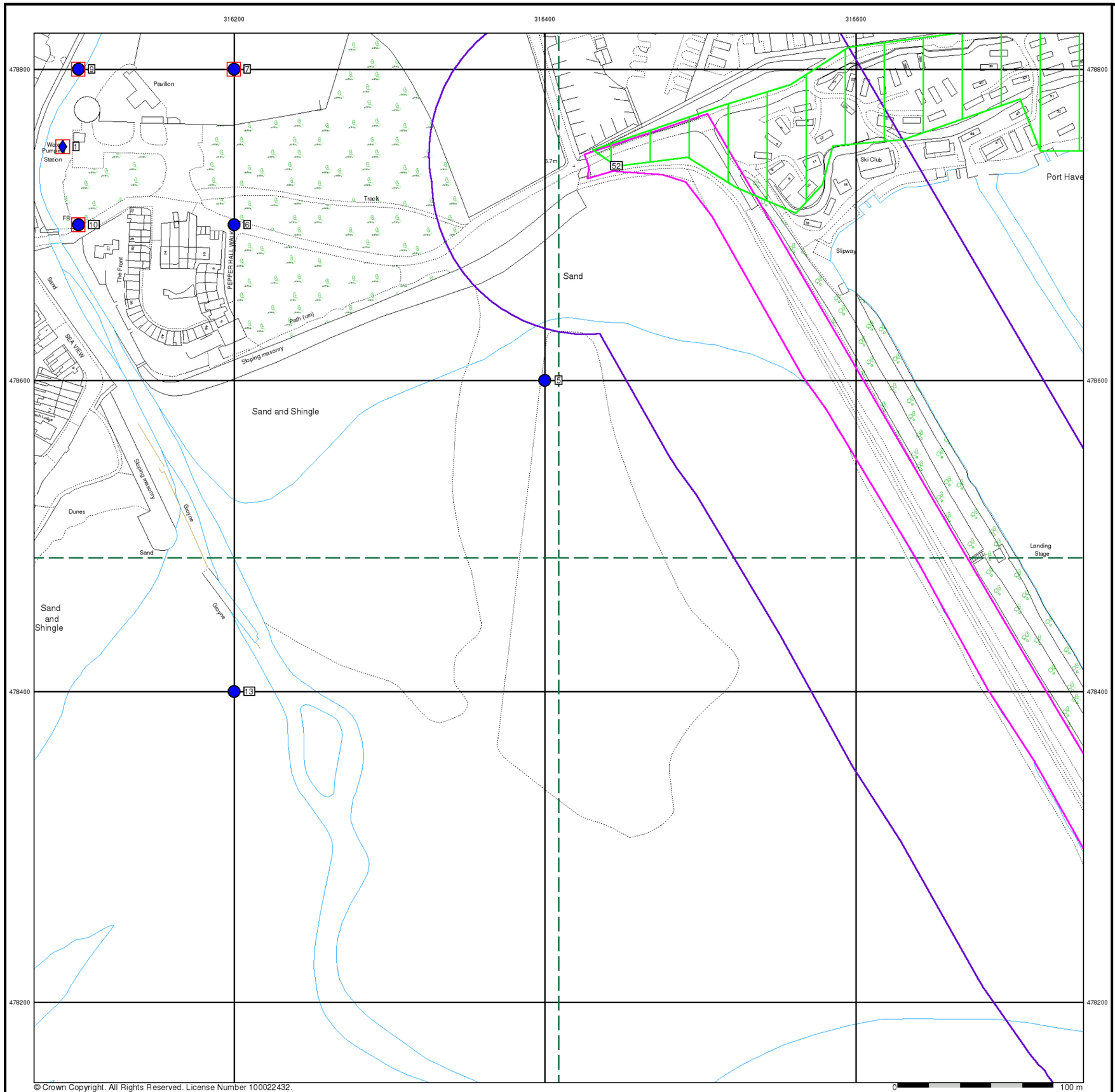
Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Plot Buffer (m):	100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

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



curtins

General

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

Agency and Hydrological

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

Hazardous Substances

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

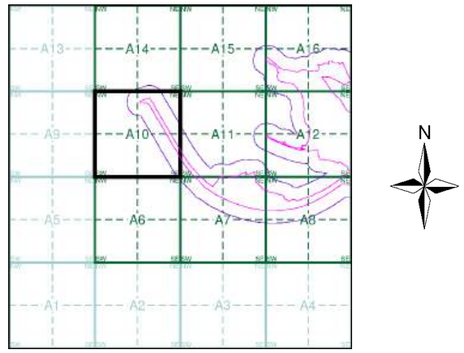
Geological

- BGS Recorded Mineral Site

Waste

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

Site Sensitivity Map - Segment A10



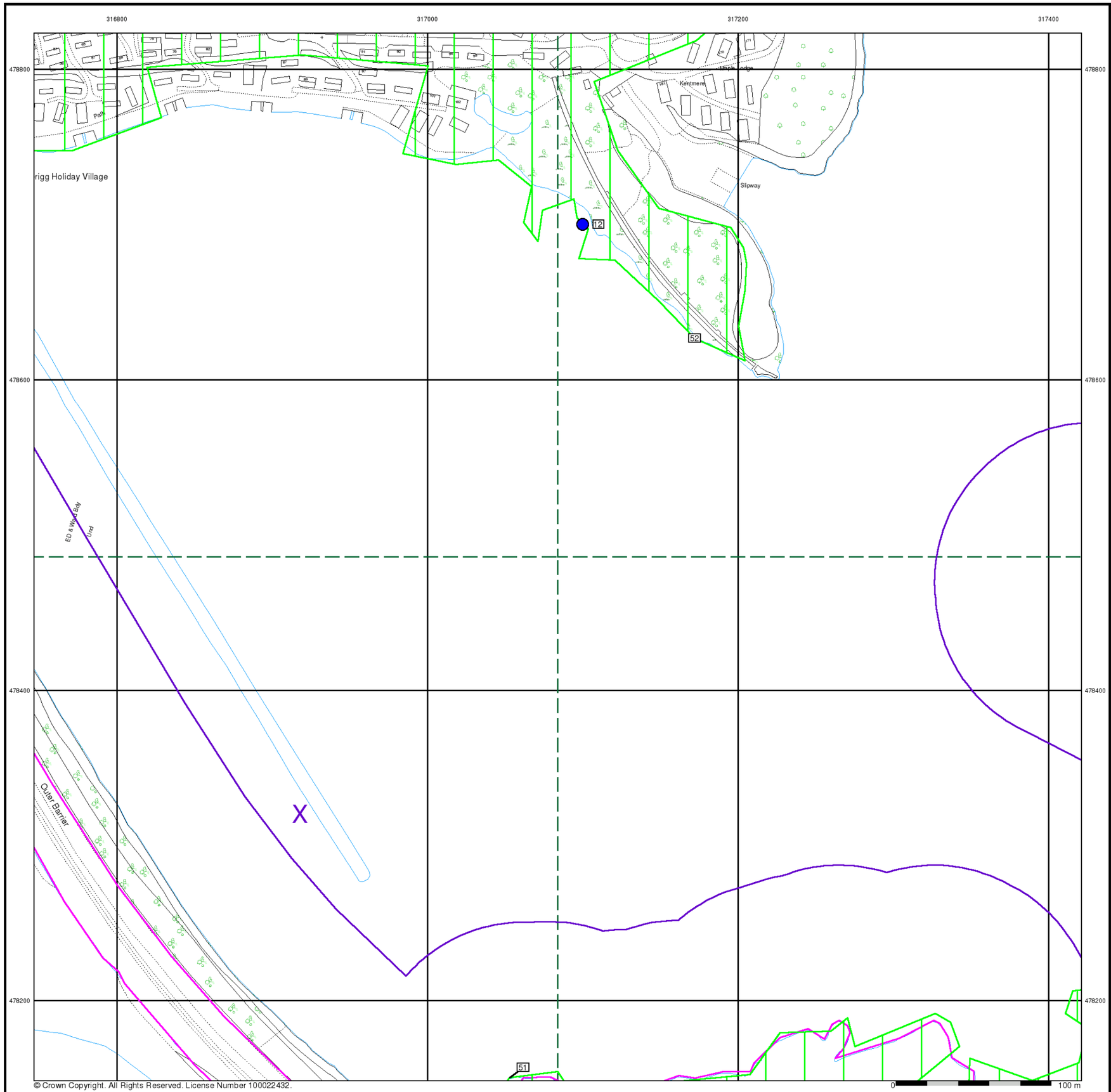
Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Plot Buffer (m):	100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

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



curtins

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Map ID
Several of Type at Location | Pylon | Overhead Transmission Line

Agency and Hydrological

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

Hazardous Substances

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

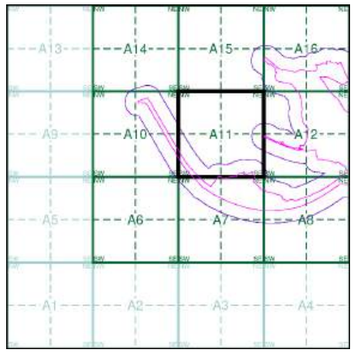
Geological

- BGS Recorded Mineral Site

Waste

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

Site Sensitivity Map - Segment A11



Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Plot Buffer (m):	100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

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

317600 317800 318000

478800 478600 478400 478200

Hodbarrow Nature Reserve

Track

Shaft

Path (um)

Track

Hodbarrow Lighthouse (disused)

Hodbarrow Scar

57 49 50 51

0 100 m

curtins

General

Specified Site
Specified Buffer(s)
Bearing Reference Point
Map ID
Several of Type at Location
Pylon
Overhead Transmission Line

Agency and Hydrological

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

Hazardous Substances

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

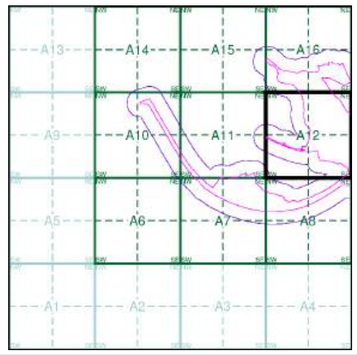
Geological

BGS Recorded Mineral Site

Waste

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

Site Sensitivity Map - Segment A12



Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Plot Buffer (m):	100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

Landmark INFORMATION GROUP
Tel: 0844 844 9952
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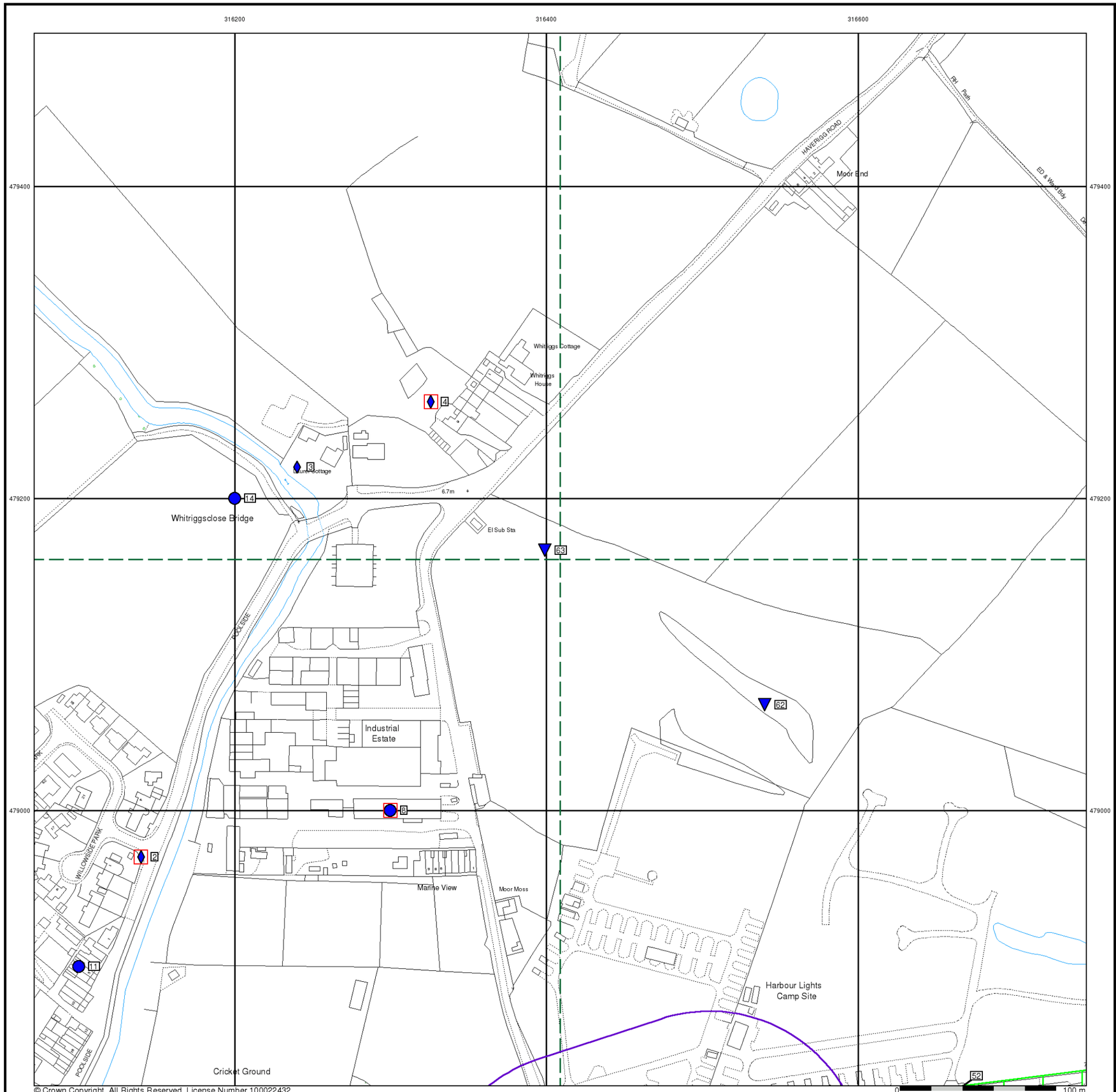
Web: www.envirocheck.co.uk



curtins

General

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

Agency and Hydrological

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

Hazardous Substances

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

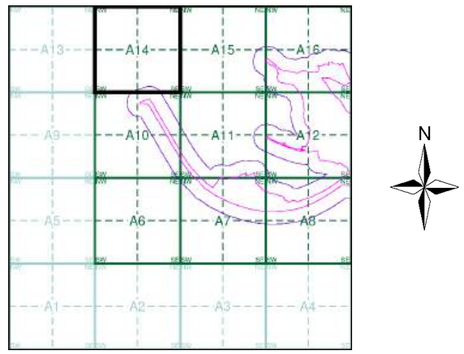
Geological

- BGS Recorded Mineral Site

Waste

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

Site Sensitivity Map - Segment A14



Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Plot Buffer (m):	100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

Landmark INFORMATION GROUP
Tel: 0844 844 9952
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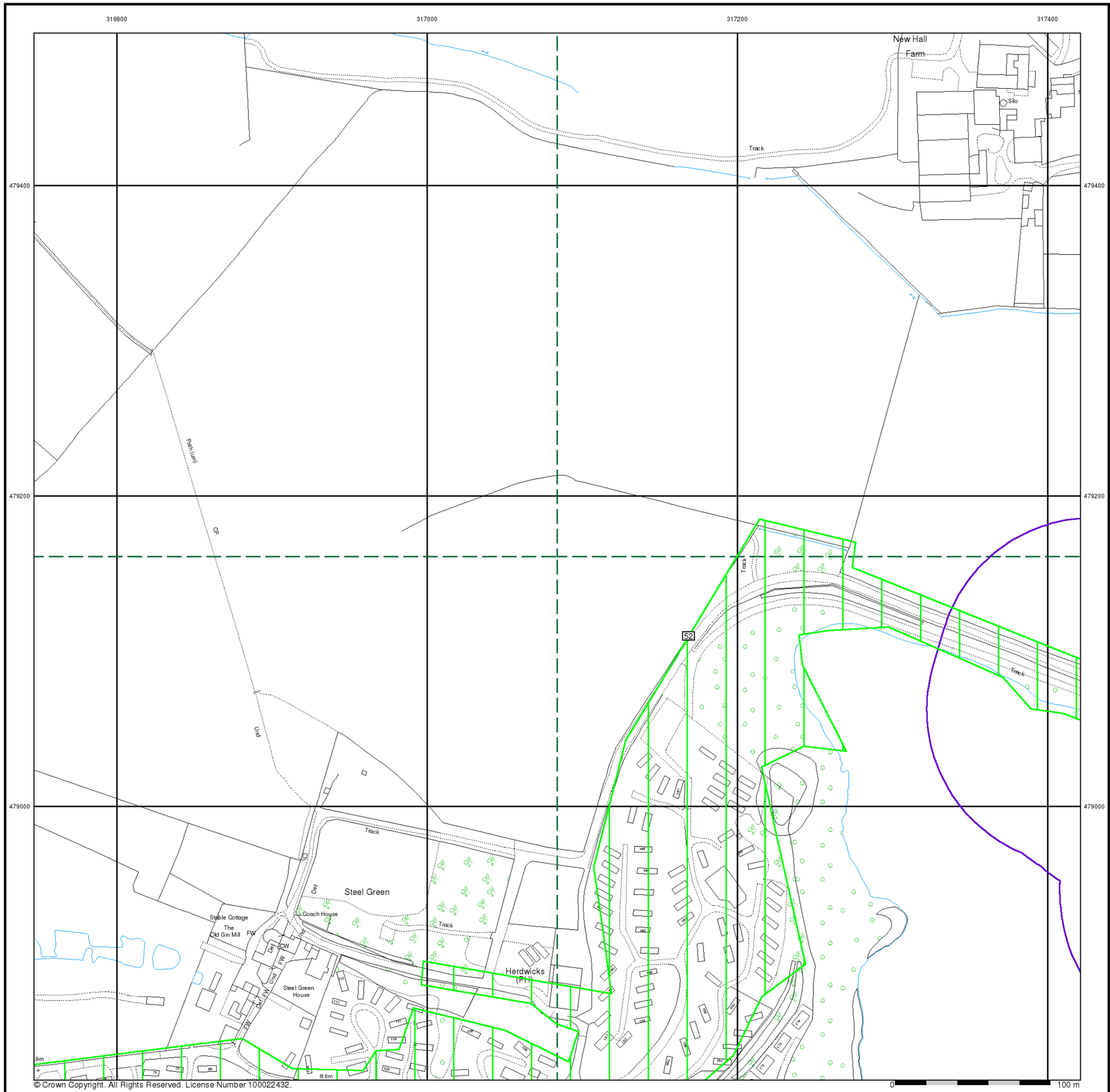
Web: www.envirocheck.co.uk



curtins

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Map ID
Several of Type at Location | Pylon | Overhead Transmission Line

Agency and Hydrological

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

Hazardous Substances

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

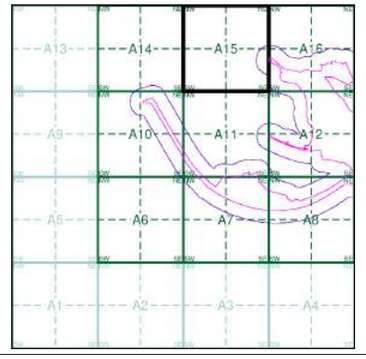
Geological

- BGS Recorded Mineral Site

Waste

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

Site Sensitivity Map - Segment A15



Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Plot Buffer (m):	100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

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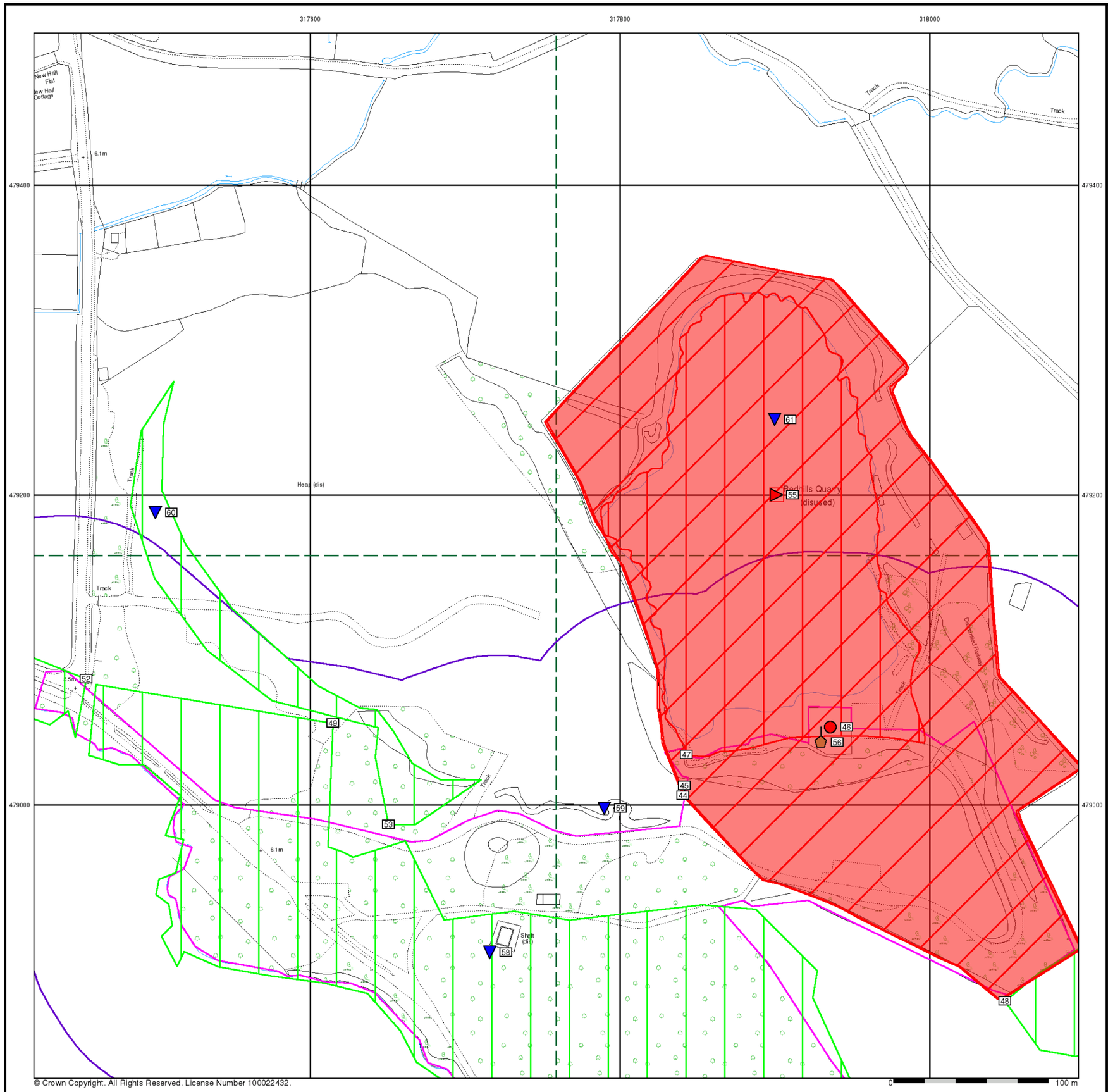
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



curtins

General

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

Agency and Hydrological

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

Hazardous Substances

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

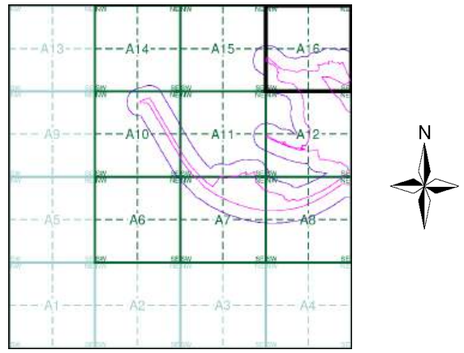
Geological

- BGS Recorded Mineral Site

Waste

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

Site Sensitivity Map - Segment A16



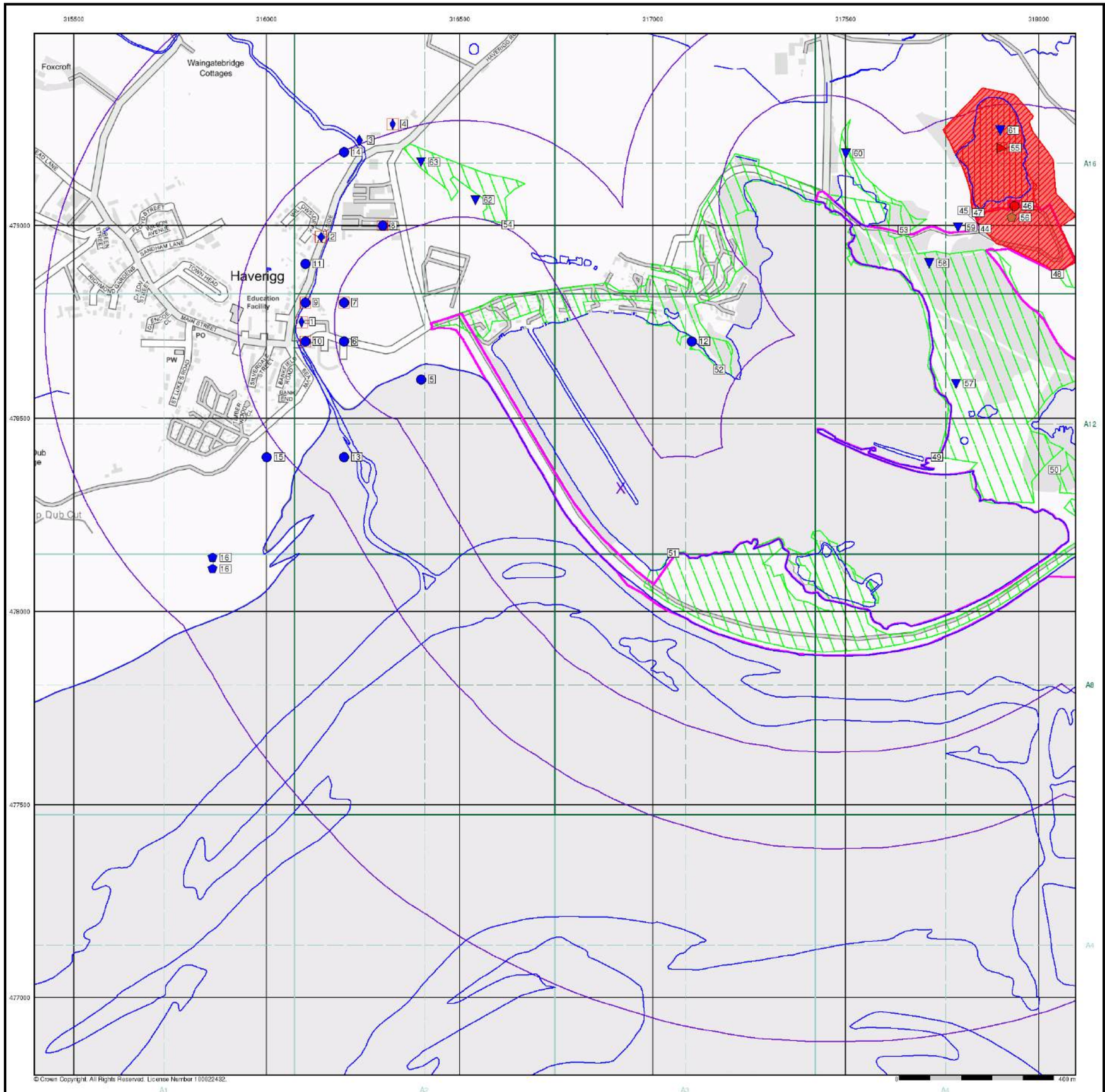
Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Plot Buffer (m):	100

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

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



curtins

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Map ID

Several of Type at Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
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- River Quality Sampling Point
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Hazardous Substances

COMAH Site | Explosive Site

- NIHHS Site
- Planning Hazardous Substance Consent
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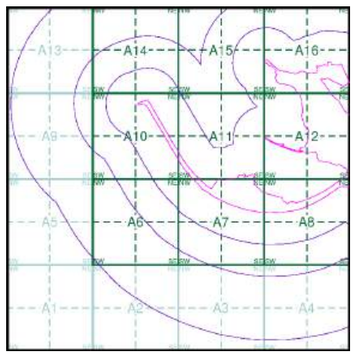
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Slice A



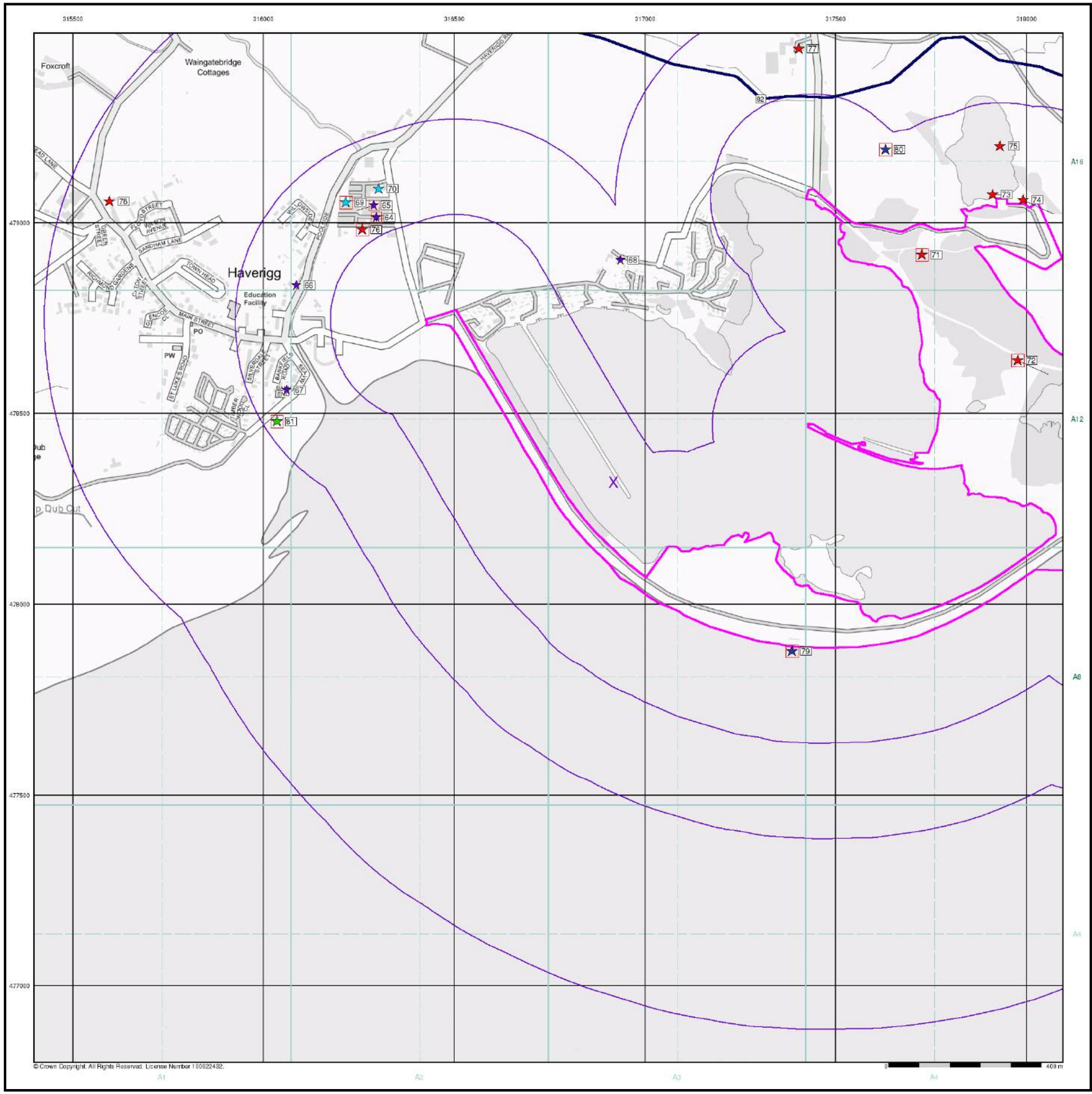
Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	1000

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG

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



curtins

Industrial Land Use Map

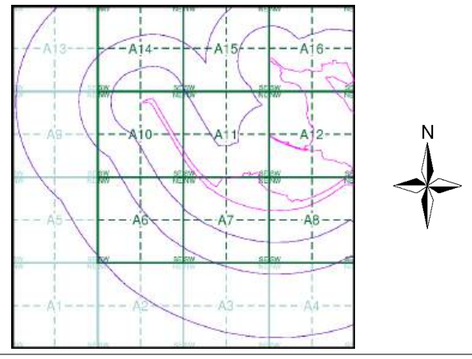
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

Order Number:	307697430_1_1
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Search Buffer (m):	1000

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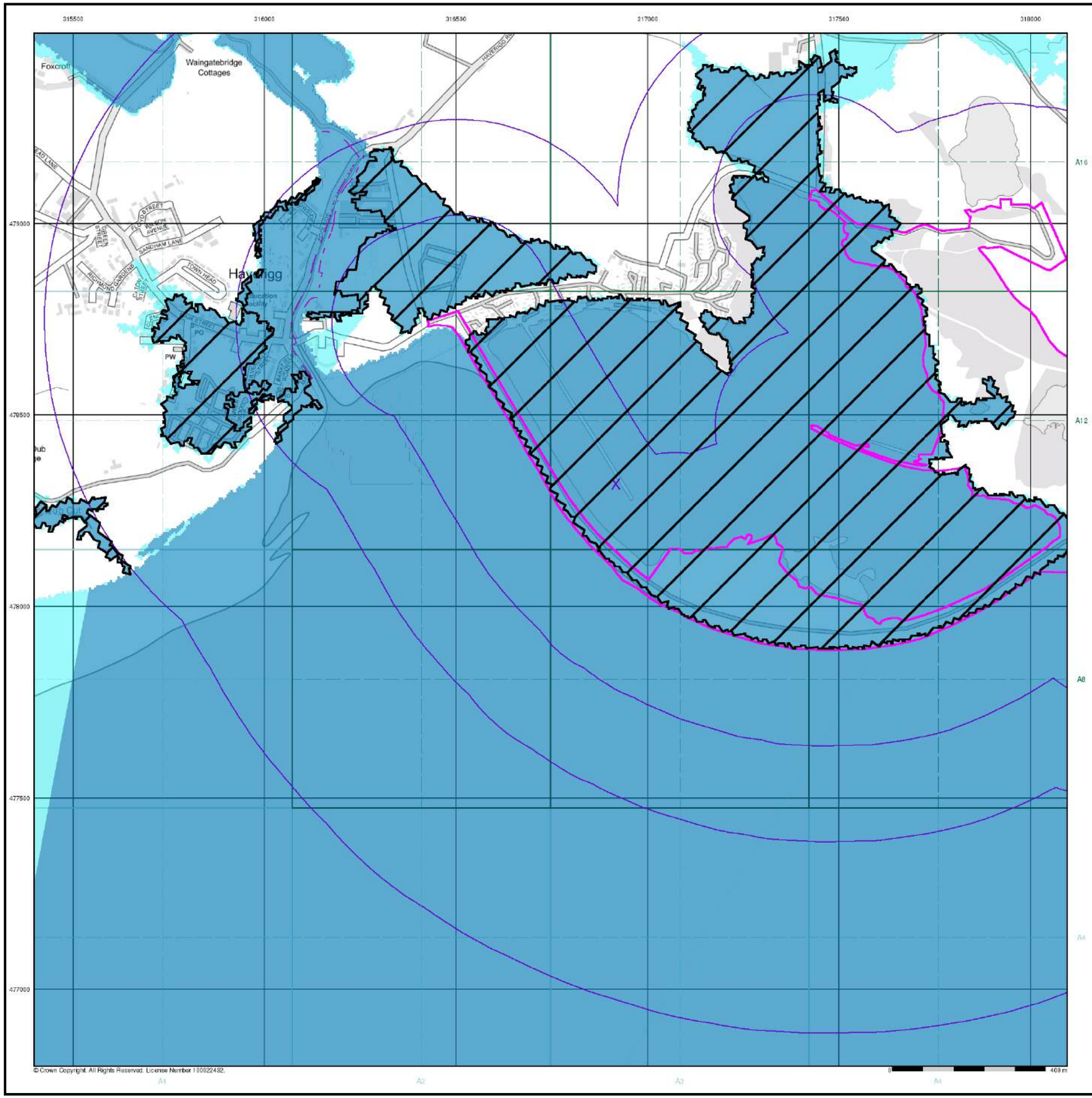

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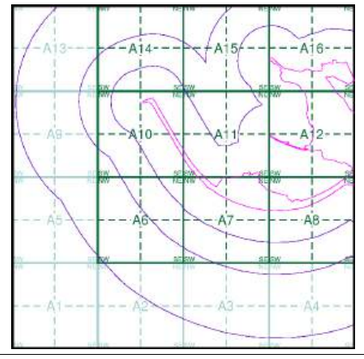
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



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Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	1000

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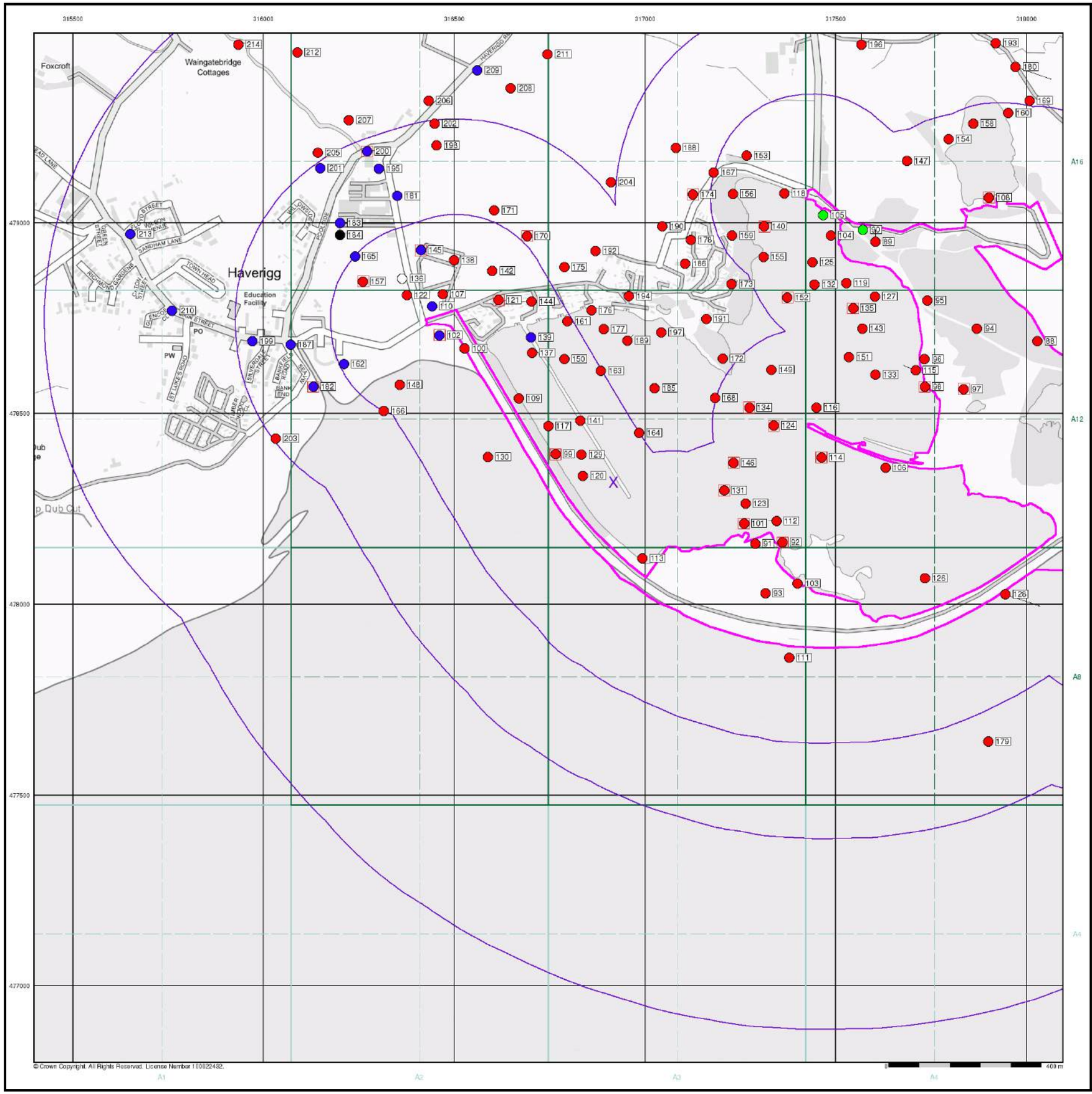


curtins

General

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

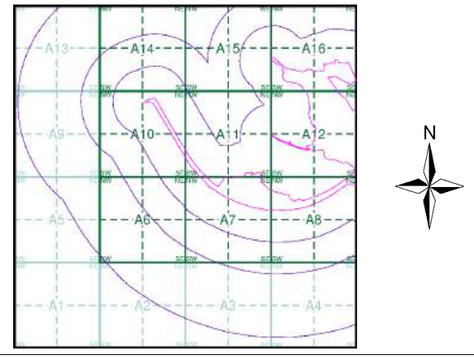
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A

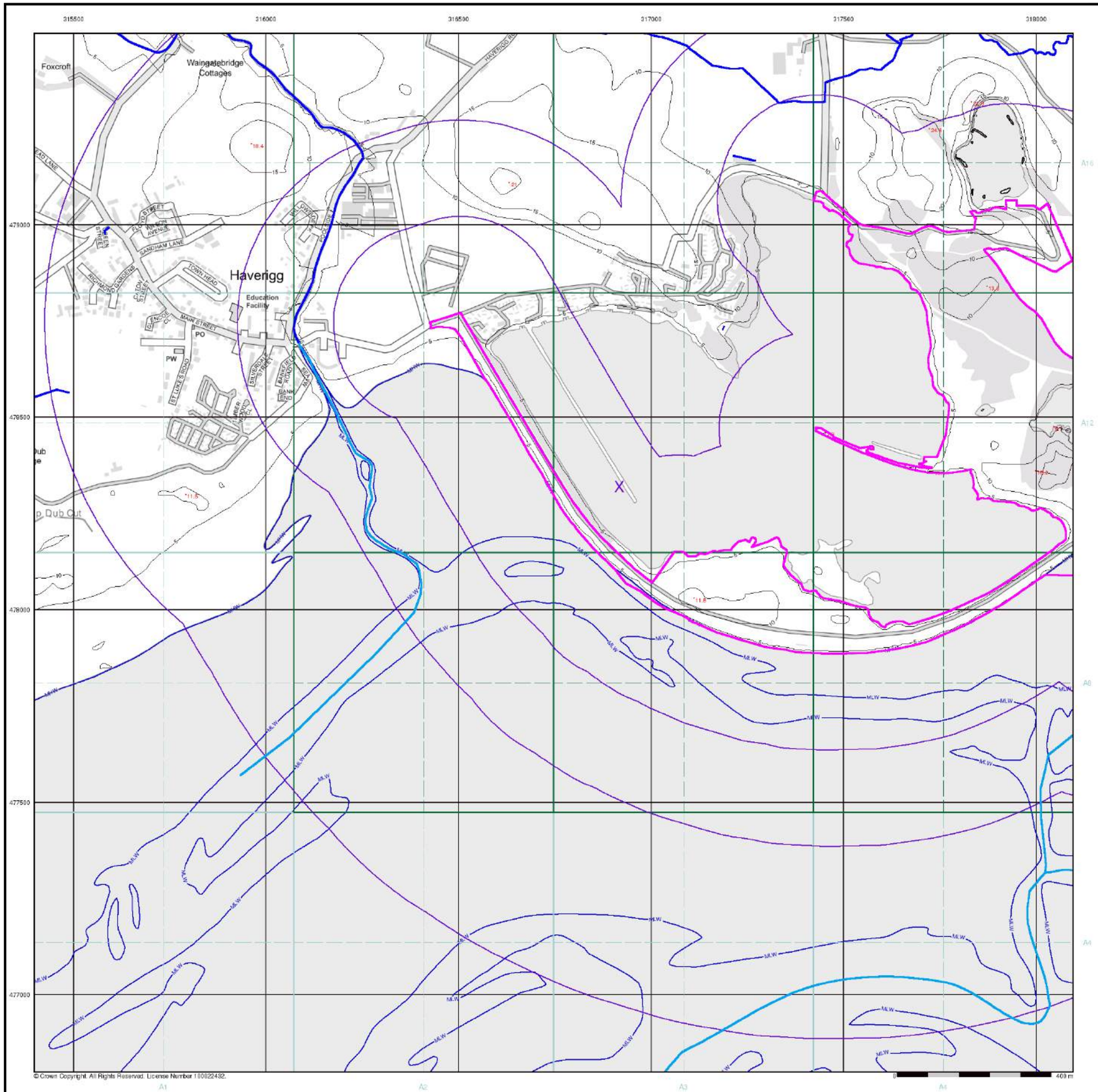


Order Details

Order Number:	307697430_1_1
Customer Ref:	No. 4229
National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	1000

Site Details

The Gin Mill, Steel Green, MILLOM, LA18 4LG



curtins

General

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

OS Water Network Data

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

Contours (height in meters)

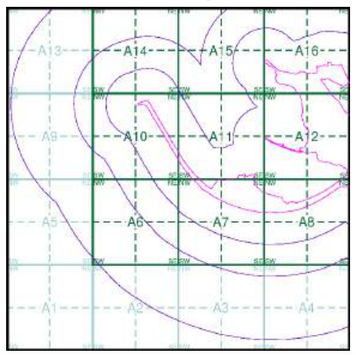
Standard Contour 105 100 95

Master Contour

Spot Height 167.3

- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



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National Grid Reference:	316920, 478320
Slice:	A
Site Area (Ha):	57.66
Search Buffer (m):	1000

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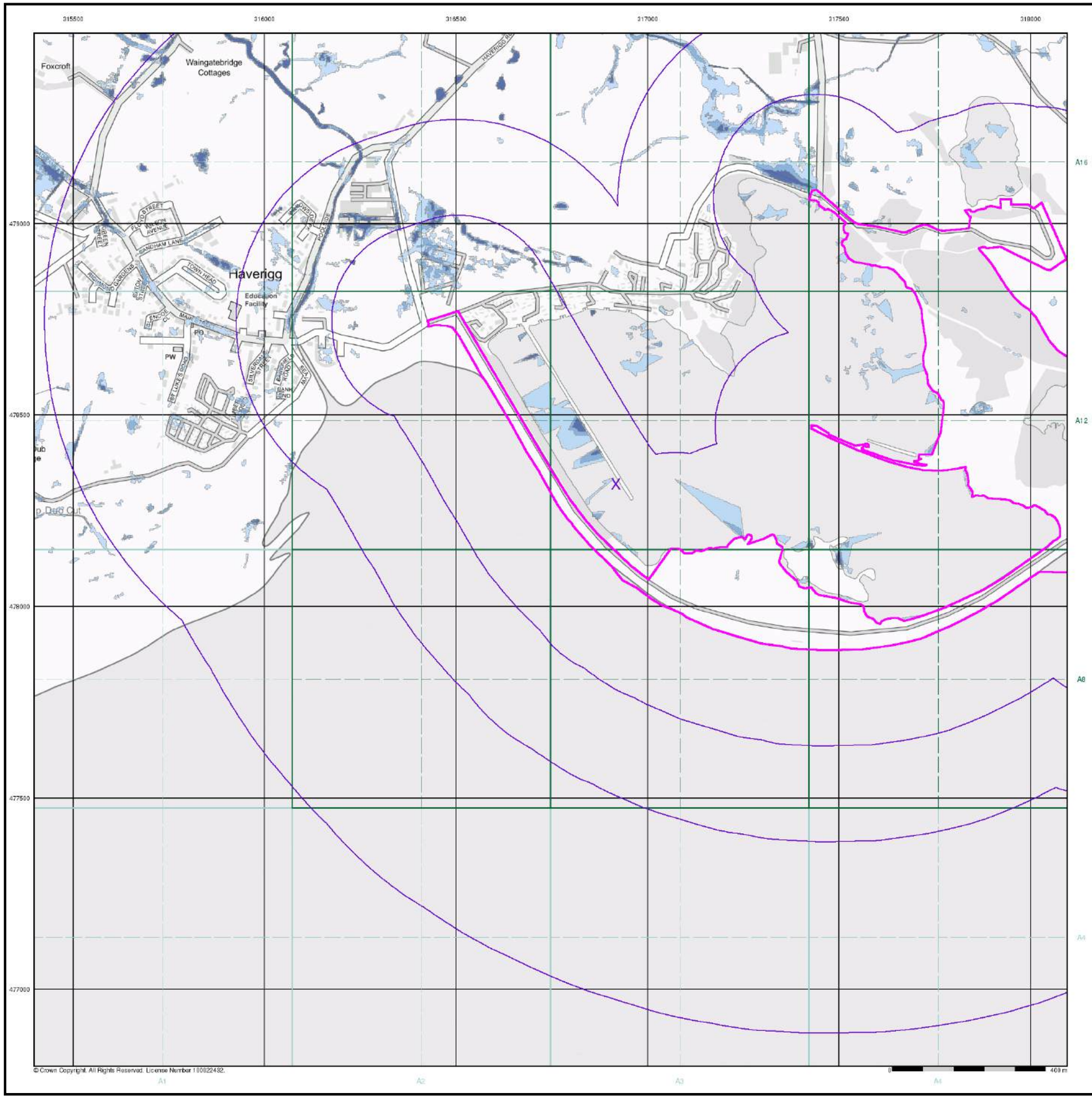

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General

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

Risk of Flooding from Surface Water

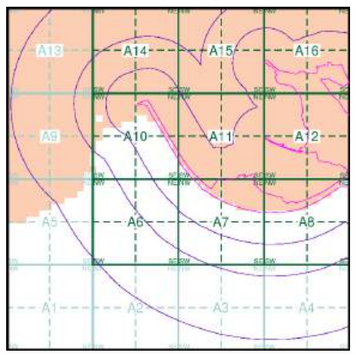
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

EA/NRW Suitability Map - Slice A



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Appendix C Qualitative Risk Assessment Rationale

The site-specific risk assessment, presented in this report, follows the principle of establishing whether there is a viable linkage between a contaminant source to a potential receptor, via an exposure pathway.

The risk assessment corresponds with the total site area and incorporates both descriptive (qualitative) and, where available, numerical (quantitative) lines of evidence.

Risk assessment is the process of collating known information on a hazard or set of hazards to estimate actual or potential risk to receptors. The receptor may be humans, a water resource, a sensitive local ecosystem or future construction materials. Receptors can be connected to the source by one or several exposure pathways such as direct contact for example. Risks are generally managed by isolating the receptor or intercepting the exposure pathway or by isolating or removing the hazard.

Without the three essential components of a source, pathway and receptor there can be no risk. Therefore, the presence of contaminant source on a site does not necessarily mean there is a risk.

The risk assessment considers the likelihood of an event taking place (accounting for the presence of the source and receptor and the viability of the exposure pathway) in conjunction with the severity of the potential consequence (accounting for the potential severity of the hazard and the sensitivity of the receptor).

In the risk assessment, the consequence of the hazard has been classified as severe or medium or mild or minor and the probability (likelihood) of the circumstances occurring classified as high likelihood or likely or low likelihood or unlikely.

The consequences and probabilities are subsequently cross-correlated to give a qualitative estimation of the risk using Department of the Environment risk classifications as detailed in the table below and as referenced in CIRIA C552.

		Consequence			
		Severe	**Medium**	**Mild**	**Minor**
Probability (Likelihood)	**High Likelihood**	Very High Risk	High Risk	Moderate Risk	Moderate/Low Risk
	Likely	High Risk	Moderate Risk	Moderate/Low Risk	Low Risk
	Low Likelihood	Moderate Risk	Moderate/Low Risk	Low Risk	Very Low Risk
	Unlikely	Moderate/Low Risk	Low Risk	Very Low Risk	Very Low Risk

In accordance with DoE guidance, the following categorisation of **consequence** has been developed.

Classification	Definition	Examples
Severe	Short-term (acute) risk to human health likely to result in "significant harm" as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resource. Catastrophic damage to buildings/property. A short-term risk to an ecosystem or organisation forming part of such ecosystem.	High concentrations of cyanide on the surface of an informal recreation area. Major spillage of contaminants from site into controlled water. Explosion, causing building collapse (can also equate to a short-term human health risk if buildings are occupied).
Medium	Chronic damage to Human Health. Pollution of sensitive water resources. A significant change in an ecosystem or organism forming part of such ecosystem.	Concentration of a contaminant from site exceeds the generic or site-specific assessment criteria. Leaching of contaminants from a site to a Principal or Secondary A aquifer. Death of a species within a designated nature reserve. Lesser toxic and asphyxiate effects
Mild	Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services. Damage to sensitive buildings/structures/services or the environment.	Pollution of non-classified groundwater (inc. Secondary B aquifers). Damage to building rendering it unsafe to occupy (e.g. foundation damage resulting in instability).
Minor	Harm, although not necessarily significant harm, which may result in a financial loss or expenditure to resolve. Non-permanent health effects to human health (easily prevented by means such as personal protective clothing, etc). Easily repairable effects of damage to buildings, structures and services.	The presence of contaminants at such concentrations that protective equipment is required during site works. The loss of plants in a landscaping scheme. Discoloration of concrete.

In accordance with DoE guidance, the following categorisation of **probability** has been developed.

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

In accordance with DoE guidance, the following categorisation of **risk** has been developed.

Classification	Definition
Very High Risk	There is a *high probability* that *severe harm* could arise to a designated receptor from an identified hazard at the site without appropriate further action.
High Risk	*Harm* is *likely to arise* to a designated receptor from an identified hazard at the site without appropriate further action.
Moderate Risk	*It is possible* that without appropriate further action *harm could arise* to a designated receptor. It is relatively *unlikely* that any such harm would be *severe,* and if any harm were to occur it is *more likely* that such harm would be *relatively mild.*
Low Risk	*It is possible* that *harm could arise* to a designated receptor from an identified hazard. It is *likely* that, at worst, if any harm was realised any effects would be *mild.*
Very Low Risk	The presence of an identified hazard does not give rise to the potential to cause harm to a designated receptor.

The term ‘risk’ in this instance refers to the risk that the source, pathway, receptor linkage for a given source of contamination is complete. It does not refer to immediate risk to individuals or features present on the site from potential contaminants and is intended to be used as a tool to assess the necessity of further investigation.

Our Locations

Birmingham
2 The Wharf
Bridge Street
Birmingham
B1 2JS
T. 0121 643 4694
birmingham@curtins.com

Bristol
Quayside
40-58 Hotwell Road
Bristol
BS8 4UQ
T. 0117 302 7560
bristol@curtins.com

Cambridge
50 Cambridge Place
Cambridge
CB2 1NS
T. 01223 631 799
cambridge@curtins.com

Cardiff
3 Cwrt-y-Parc
Earlswood Road
Cardiff
CF14 5GH
T. 029 2068 0900
cardiff@curtins.com

Douglas
Varley House
29-31 Duke Street
Douglas
Isle of Man
IM1 2AZ
T. 01624 624 585
douglas@curtins.com

Dublin
39 Fitzwilliam Square
Dublin 2
Ireland
T. 00353 1 507 9447
dublin@curtins.com

Edinburgh
1a Belford Road
Edinburgh
EH4 3BL
T. 0131 225 2175
edinburgh@curtins.com

Glasgow
Queens House
29 St Vincent Place
Glasgow
G1 2DT
T. 0141 319 8777
glasgow@curtins.com

Kendal
28 Lowther Street
Kendal
Cumbria
LA9 4DH
T. 01539 724 823
kendal@curtins.com

Leeds
Rose Wharf
Ground Floor
Leeds
L29 8EE
T. 0113 274 8509
leeds@curtins.com

Liverpool
51-55 Tithebarn Street
Liverpool
L2 2SB
T. 0151 726 2000
liverpool@curtins.com

London
40 Compton Street
London
EC1V 0BD
T. 020 7324 2240
london@curtins.com

Manchester
Merchant Exchange
17-19 Whitworth Street West
Manchester
M1 5WG
T. 0161 236 2394
manchester@curtins.com

Nottingham
56 The Ropewalk
Nottingham
NG1 5DW
T. 0115 941 5551
nottingham@curtins.com