

**Garage Compound Redevelopment
Briton Ferry, Neath**

Desk-Based Coal Mining Risk Assessment

REPORT NUMBER

P1266-01

DATE

21/05/2017

CLIENT

Mrs Pauline Rolt



Ground Investigation

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Garage Compound Redevelopment Briton Ferry, Neath

Desk-Based Coal Mining Risk Assessment

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- Annex C: Coal Authority Non-Residential Coal Mining Consultants Report
- Annex D: Historical Maps

1 Introduction

1.1 Context and Objectives

Mrs Pauline Rolt has commissioned Ground Investigation (Wales) Limited to undertake a Desk-Based Coal Mining Risk Assessment (CMRA) for a proposed development on land to the rear of Victoria Street in Briton Ferry, Neath.

The assessment is required to address one of several items identified by an Invalid Application Notice issued on 15 February 2017 in response to a planning application submitted on 10 February 2017 (Neath Port Talbot County Borough Council Application Reference P2017/0135). At paragraph (4), the Invalid Application Notice makes the following statement:

The application site is located in a High Risk area. As such, a Coal Mining Risk Assessment (CMRA) is required to support the application.

This report has been prepared in general accordance with Coal Authority guidance (Ref. 1). The assessment is limited to consideration of coal mining subsidence risk. It does not represent a comprehensive site assessment and additional advice should be sought in relation to all other geotechnical and geological issues, including foundation design.

1.2 Site Location and Description

The site is located between Victoria Street and Shelone Road in Briton Ferry, approximately 3.5 km south of Neath Town Centre (see Figure 1). The National Grid reference at the approximate centre of the site is 273870, 194440.

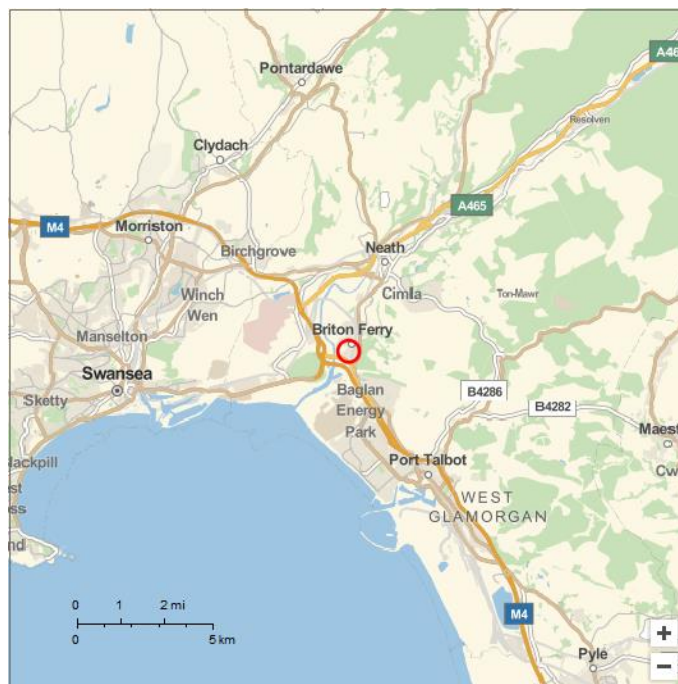


Figure 1
Site Location

The site comprises a triangular shaped parcel of vacant land covering an area of 0.39 hectares and having overall dimensions of about 120 m by about 60 m. Situated in a low-lying area on the floor of the Neath Valley, ground levels range from about 5 mAOD in the south to about 6 mAOD in the north, reflecting a very gentle overall south facing dip (see drawing showing site levels in Annex A).

The site is currently occupied by domestic garages, many of which are dilapidated and in a poor state of repair.

The site is enclosed by low-rise residential properties fronting on to Sheldon Road and Victoria Street with an electricity sub-station and an undeveloped fenced compound flanking its southern boundary.

1.3 Proposed Development

The proposed development comprises the demolition of existing garages and the construction of forty-six new garages together with associated hardstanding and drainage works as shown on the drawings presented in Annex A.

1.4 Objectives of the Coal Mining Risk Assessment

The objectives of this coal mining risk assessment report are to:

- present a desk-based review of information relating to the site's geology and its coal mining history;
- use the information to identify and assess the subsidence risk from old coal mine workings;
- if required, set out appropriate mitigation measures to address any coal mining subsidence risk affecting the site, including any additional investigation or necessary remedial works; and
- demonstrate that the site is, or can be made, safe and stable in the context of the proposed development.

2 Desk Study Information

2.1 Sources of Information

The following sources of information have been consulted in preparing this report.

Description	Location in this Report
1:10,000 scale digital geological map of Great Britain.	Annex B
Coal Authority Non-Residential Coal Mining Consultants Report.	Annex C
Historical maps.	Annex D
British Geological Survey 1:10,560 scale paper map, Sheet SS79SW (1970).	-
British Geological Survey 1:50,000 scale paper map, Sheet 247, Swansea, Bedrock (2011).	-
British Geological Survey Lexicon of Named Rock Units (http://www.bgs.ac.uk/).	-
Coal Authority's Interactive Map Viewer (http://mapapps2.bgs.ac.uk/coalauthority/home.html)	-

Material from these information sources that is of relevance to this assessment is summarised below.

2.2 Geology

Extracts from the British Geological Survey's 1:10,000 scale Digital Geological Map of Great Britain are presented in Annex B. These map extracts show the site to be underlain by a succession of superficial Tidal Flat Deposits and bedrock of the Pennant Sandstone Formation.

The depth and precise nature of the superficial Tidal Flat Deposits is uncertain. However, such deposits occur along the tidal reach of rivers where estuarine clays are interwoven with riverine alluvium and typically comprise marshy, organic-rich muds.

The bedrock of the Pennant Sandstone Formation comprises five members, two of which are mapped within the site boundary. These are the Brithdir Member and the underlying (older) Rhondda Member. Both members are dominated by green-grey Pennant sandstones containing thin mudstone/siltstone and seatearth interbeds and mainly thin coals. They are separated by the Brithdir Coal, the base of which defines the base of the Brithdir Member and the top of the Rhondda Member.

BGS maps show the *Brithdir* Member extending across most of the site with the *Rhondda* Member confined to the its southern margins and the outcropping *Rhondda Coal* defining the transition between the two members.

No information relating to the thickness of the *Brithdir Coal* is given on any of the geological maps. Ref. 2, however, refers to the *Brithdir* with partings as being 5' 9" thick (c. 1.75 m) whilst Ref. 3 states that the *Brithdir* is about 0.5 m thick.

With regard to the geological structure of the bedrock, the site lies on the southern margins of the South Wales Coalfield where the rock strata dip to the north. Dip arrows given on the 1:50,000 scale and 1:10,560 scale paper geological maps show dip angles ranging from 22° to 45° in the site vicinity.

The site is shown to lie between two intersecting north-south trending faults: *Giant's Grave Fault* some 35 m to the west and an unnamed fault some 500 m to the east. East of the unnamed fault, the 1:10,560 scale geological map shows several mine entries on the elevated valley slopes along the outcrops of the *Brithdir*, the *Brithdir Rider* and other unnamed coal seams. It does not, however, show any mine entries on the valley floor in the area of the site between *Giant's Grave Fault* and the unnamed fault or to the immediate west of *Giant's Grave Fault*.

Only two coal seams are shown cropping out to the south of the site. The closest is about 140 m distant and is not named on any of the geological maps. Reference to the generalised vertical section given on the 1:50,000 scale map, however, suggest that it may be the *No. 1 Rhondda Rider* which is the next significant seam down in the succession. Irrespective of the seam name, based on the aforementioned dip angles, this coal is estimated to occur at depths of at least 55 m in the area of the site and would therefore not be expected to pose a significant subsidence risk in the context of the proposed development.

Figure 2 presents an extract from the 1:10,000 scale digital map of the bedrock geology superimposed onto a plan of the proposed development. It shows the mapped crop position of the *Brithdir Coal* coursing through the southern part of the site. As the rock strata dip to the north, this suggests that the *Brithdir* may occur at shallow depth (i.e. less than about 30 m) over a substantial area of the site extending north of its outcrop.



Figure 2

1:10,000 scale geological map superimposed onto plan of proposed development

show an *Old Coal Pit* and an *Old Coal Level* located some 650 m to the west and *Earlswood Colliery* lying about 830 m to the southwest: Figure 4 shows that these mining features all lie to the west of *Ferry Fault*, which itself lies to the west of *Giants Grave Fault*.

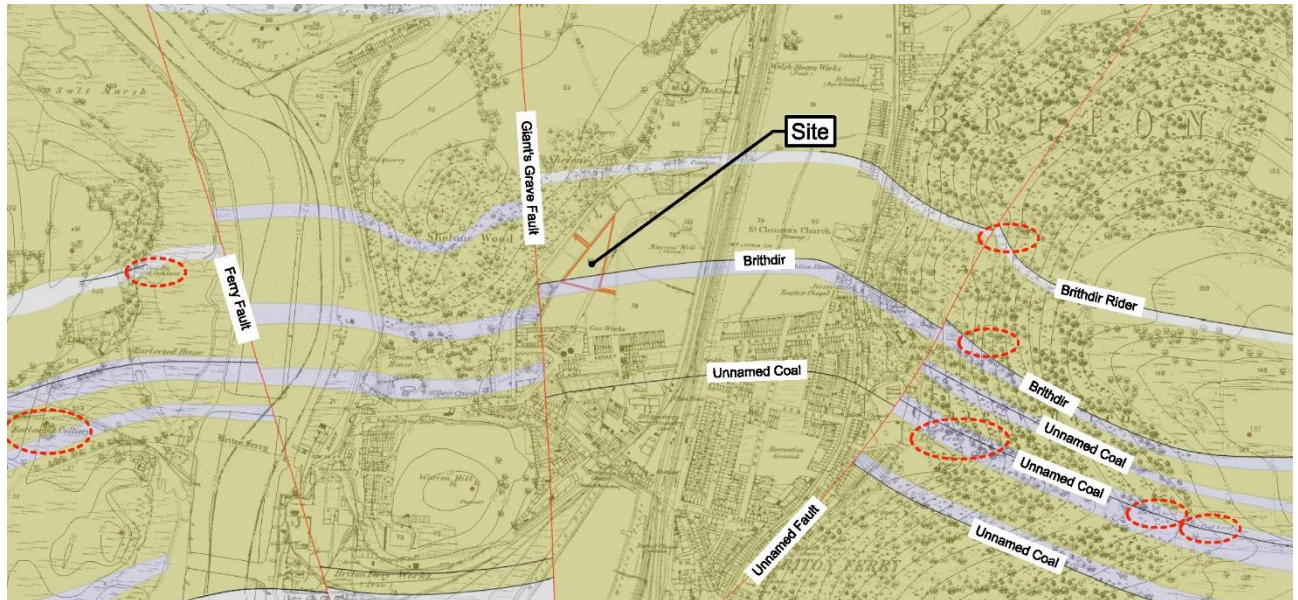


Figure 4

Historical maps of 1878-1882 superimposed onto 1:10,000 scale geology map

Other than the present-day garages, the historical maps show no former development within the site boundary. A former gas works is, however, shown to have been present on the now vacant land to the immediate south of the site.

3 Mining Subsidence Risk Assessment

Based on the information presented above, the following conclusions can be drawn in respect of the of shallow coal mine workings beneath the site and associated subsidence risk.

- Geological maps and Coal Authority records show the *Brithdir Coal* (also known as *Tillery Rider No. 2*) cropping out in the south of the site. As the rock strata dip to the north, probably at angles of between 22° and 45°, the *Brithdir Coal* is likely to be present at shallow depth beneath a substantial area of the site north of its outcrop. Information relating to the *Brithdir Coal* in the area is sparse, but the information that has been found suggests that its thickness could be between 0.50 m and 1.75 m.
- None of the information consulted gives any indication that the *Brithdir Coal* has been worked in close proximity to the site. It is also significant that all workings in the wider area, which are known to the Coal Authority or shown on either geological or historical maps, lie beyond either the unnamed fault to the east or *Giant's Grave Fault* to the west. There is no evidence of any workings within the triangular shaped fault block that encompasses the low-lying area on the valley floor where the site is located.
- Given the site's topographical and geological setting in an area of superficial Tidal Flat Deposits on the valley floor at low-lying elevations of between 5 and 6 mAOD, it is unlikely that early mining operations pre-dating the 1870s/1880s Ordnance Survey maps would have tackled the challenges of sinking shafts through soft, water-bearing superficial strata when easier access to the coal was possible on the elevated valley sides.

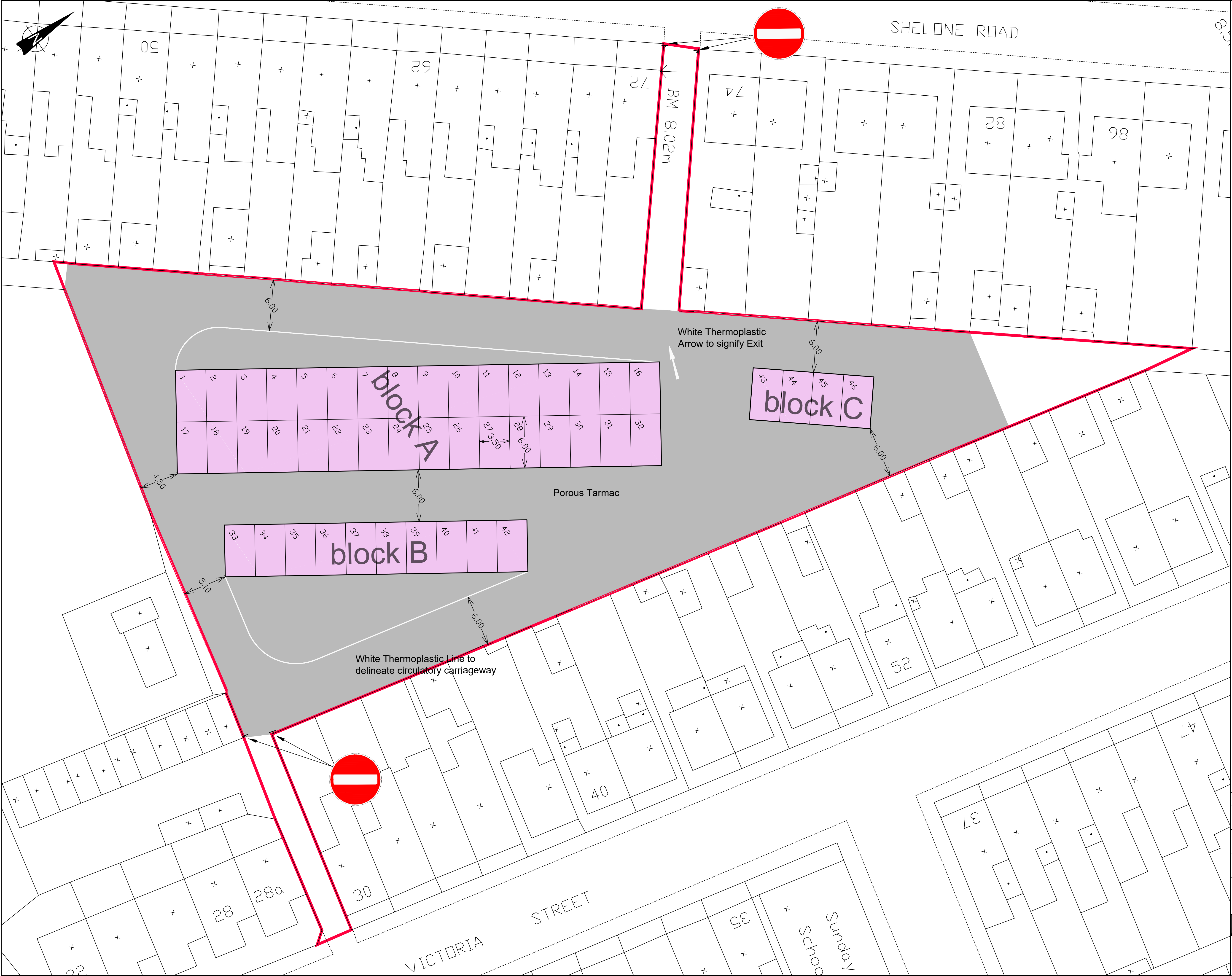
In summary, the desk study information indicates that the *Brithdir* is likely to be the only shallow coal beneath the site. Whilst this seam has been worked in the wider area, there is no evidence of any shallow workings have taken place in the *Brithdir* local to the site or within the fault block where the site is located.

Based on the findings of this desk-based assessment, it is our opinion that the *Brithdir* is highly unlikely to have been worked beneath the site and that the risk of subsidence associated with shallow coal mine workings is extremely low. It is therefore concluded that no further assessment of mining subsidence risk is warranted in the context of the proposed development and that no special foundation measures in respect of mining subsidence risk are necessary.

In order to confirm that the above conclusion is consistent with the expectations and requirements of other stakeholders (such as regulators, warranty providers, funders, etc.), it is advised that all relevant parties be consulted prior to final decision making.

Annex A

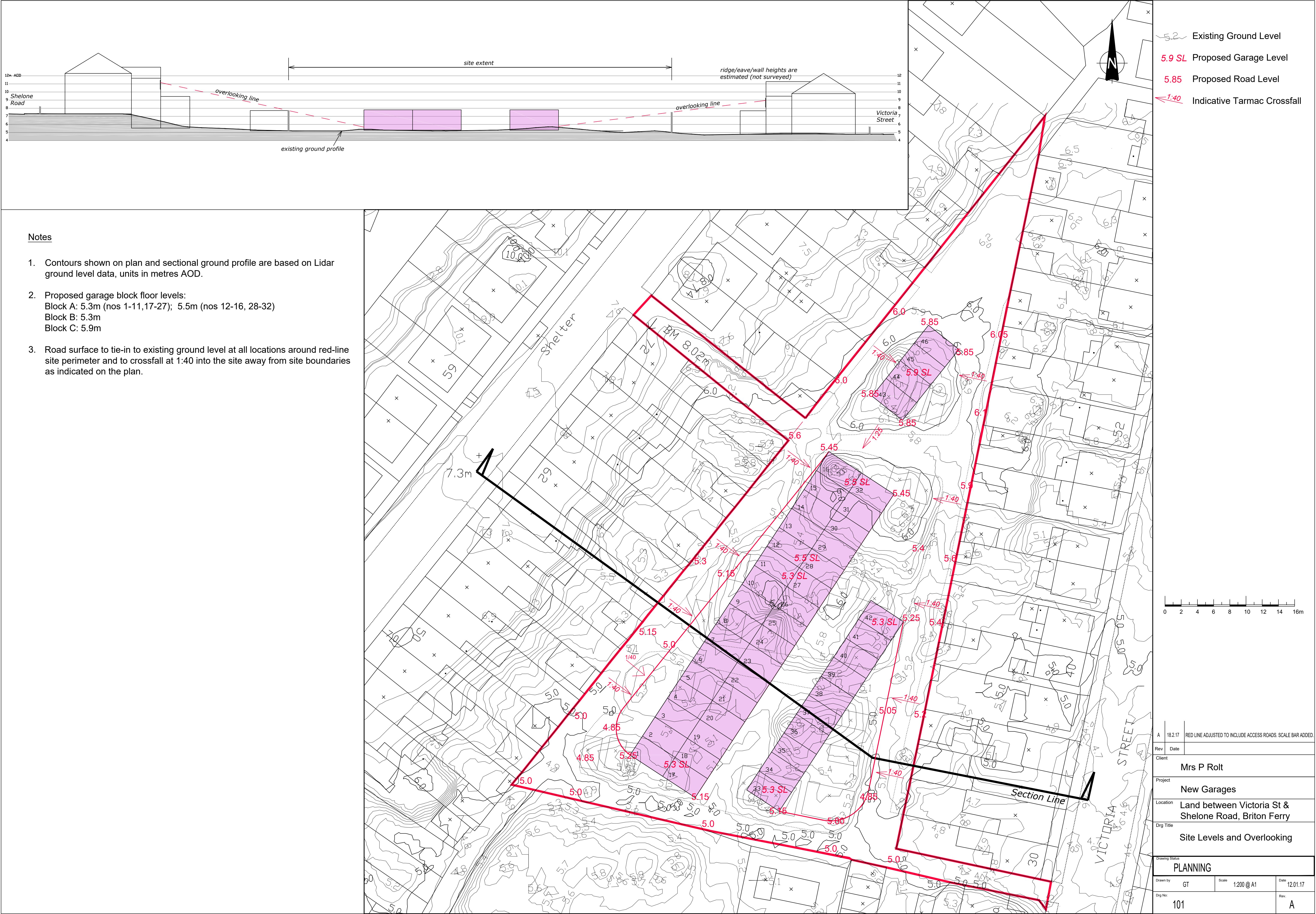
Drawings Showing Proposed Development



A		18.2.17	RED LINE ADJUSTED TO INCLUDE ACCESS ROADS. SCALE BAR ADDED.			
Rev	Date					
Client						
Mrs P Rolt						
Project						
New Garages						
Location		Land between Victoria St & Shelone Road, Briton Ferry				
Dwg Title						
Site Layout						
Drawing Status						
PLANNING						
Drawn by		GT	Scale	1:200 @ A1	Date	13.01.17
Dwg No		100			Rev	A

4 References

1. **The Coal Authority.** *Risk Based Approach to Development Management. Guidance for Developers.* Version 3, 2014.
2. **British Geological Survey.** *The Geology of the South Wales Coal-Field, Part VIII, The Counrty Around Swansea.* 1907.
3. **British Geological Survey.** *Geology of the Swansea district, a brief explanation of the geological map sheet 247 Swansea,* 2011.



Annex B

Extracts from 1:10,000 Scale
Digital Geological Map of Great Britain

Geology 1:10,000 Maps Legends

Artificial Ground and Landslip

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

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	SUPNM	Superficial Theme Not Mapped [For Digital Map Use Only]	Unknown/Unclassified Entry	Not Supplied - Not Supplied
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Pleistocene
	TFD	Tidal Flat Deposits	Clay, Silt and Sand	Holocene - Saalian
	TILLD	Till, Devensian	Diamicton	Devensian - Ipswichian
	BSA	Blown Sand	Sand	Quaternary - Ryazanian
	PEAT	Peat	Peat [Unlithified Deposits Coding Scheme]	Quaternary - Ryazanian

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	BD	Brithdir Member	Sandstone	Westphalian D - Westphalian D
	BD	Brithdir Member	Mudstone, Siltstone and Sandstone	Westphalian D - Westphalian D
	H	Hughes Member	Mudstone, Siltstone and Sandstone	Westphalian D - Westphalian D
	H	Hughes Member	Sandstone	Westphalian D - Westphalian D
	RA	Rhondda Member	Mudstone, Siltstone and Sandstone	Westphalian D - Bolsovian
	RA	Rhondda Member	Sandstone	Westphalian D - Bolsovian
	LLFB	Llynfi Member	Mudstone, Siltstone and Sandstone	Bolsovian - Bolsovian
	LLFB	Llynfi Member	Sandstone	Bolsovian - Bolsovian
	SWUCM	South Wales Upper Coal Measures Formation	Mudstone, Siltstone and Sandstone	Westphalian D - Bolsovian
	SWMCM	South Wales Middle Coal Measures Formation	Mudstone, Siltstone and Sandstone	Bolsovian - Duckmantian
	Rock			
	Fault			



Ground Investigation

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Geology 1:10,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:10,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around a site. This mapping may be more up to date than previously published paper maps.

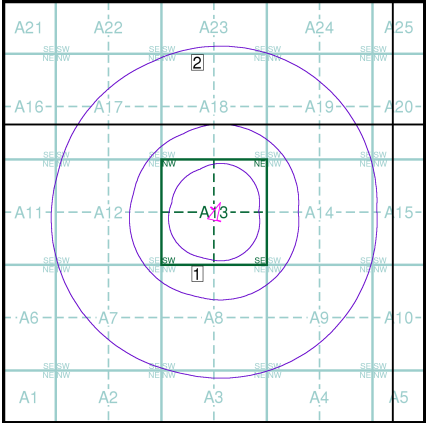
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page.

Please Note: Not all of the layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:10,000 Maps Coverage

Map ID:	1	Map ID:	2
Map Name:	SS79SW	Map Name:	SS79SE
Map Date:	1952	Map Date:	1970
Bedrock Geology:	Available	Bedrock Geology:	Available
Superficial Geology:	Available	Superficial Geology:	Available
Artificial Geology:	Available	Artificial Geology:	Available
Faults:	Available	Faults:	Available
Landslip:	Not Available	Landslip:	Available
Rock Segments:	Available	Rock Segments:	Available
Map ID:	2	Map ID:	2
Map Name:	SS79NW	Map Name:	SS79NE
Map Date:	1970	Map Date:	1970
Bedrock Geology:	Available	Bedrock Geology:	Available
Superficial Geology:	Available	Superficial Geology:	Available
Artificial Geology:	Available	Artificial Geology:	Available
Faults:	Available	Faults:	Available
Landslip:	Available	Landslip:	Available
Rock Segments:	Available	Rock Segments:	Available

Geology 1:10,000 Maps - Slice A



Order Details

Order Number:	117937968_1_1
Customer Ref:	P1266-01
National Grid Reference:	273870, 194440
Slice:	A
Site Area (Ha):	0.39
Search Buffer (m):	1000

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH

Landmark
INFORMATION GROUP

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

Artificial Ground and Landslip

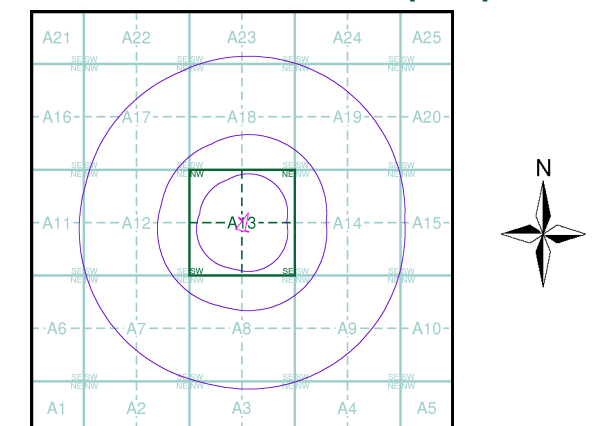
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A

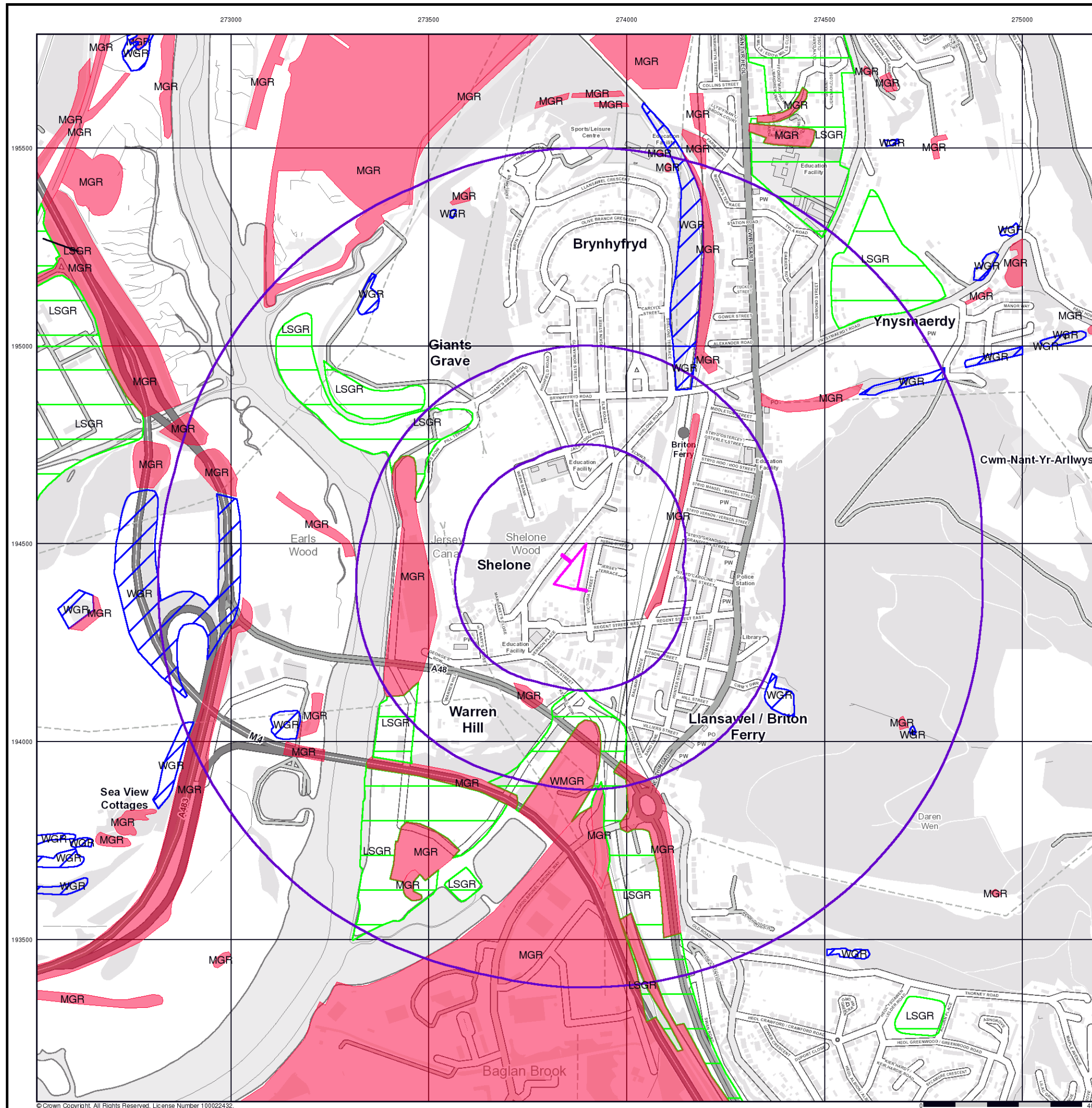


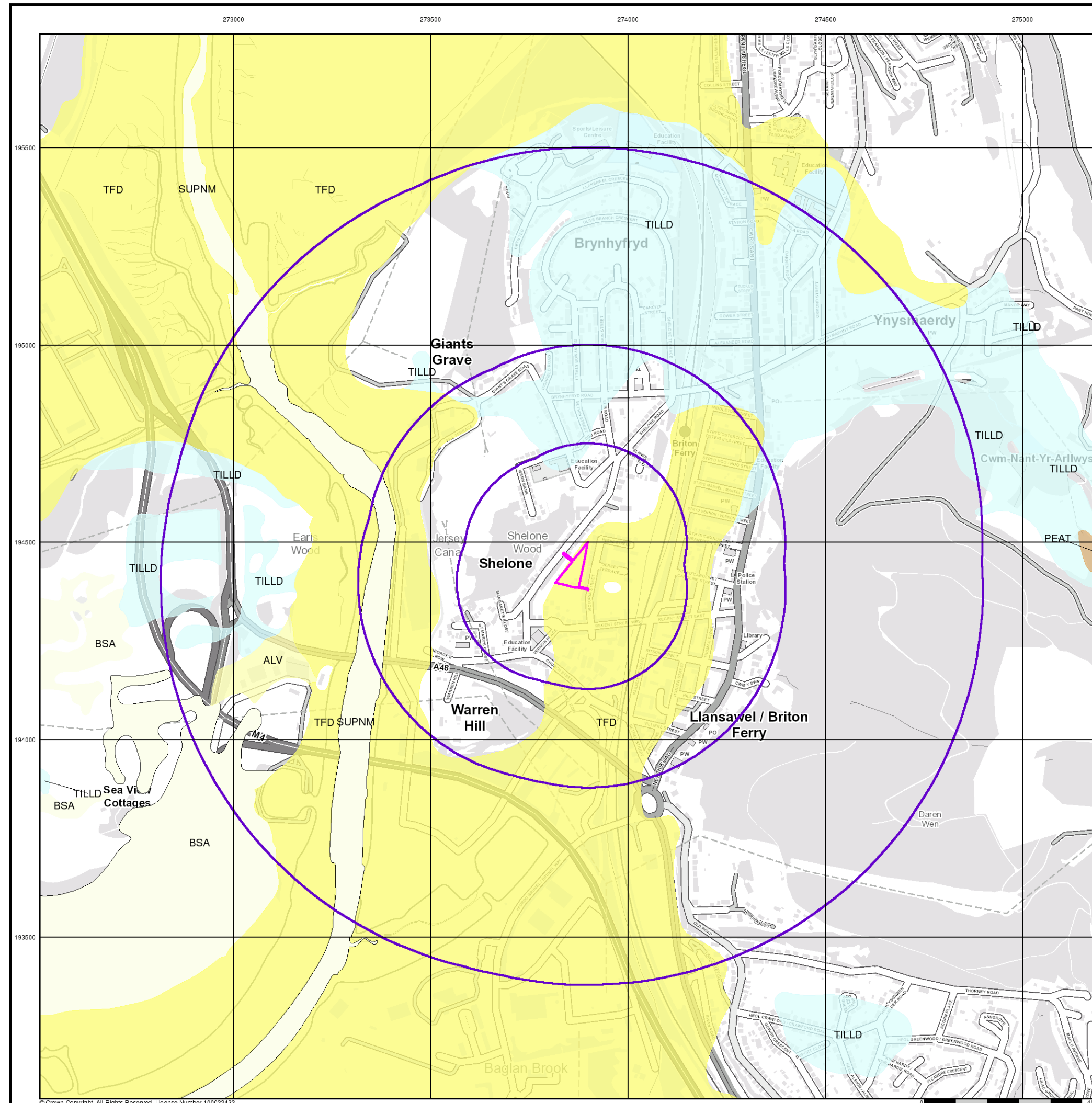
Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 1000

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH





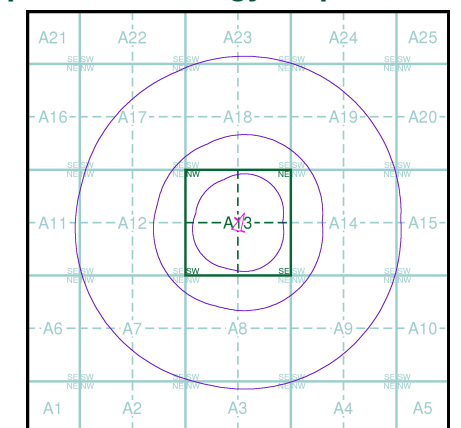
Superficial Geology

BGS 1:10,000 Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, which extends back about 1.8 million years from the present.

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

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

Superficial Geology Map - Slice A



Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 1000

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH

Artificial Ground and Landslip

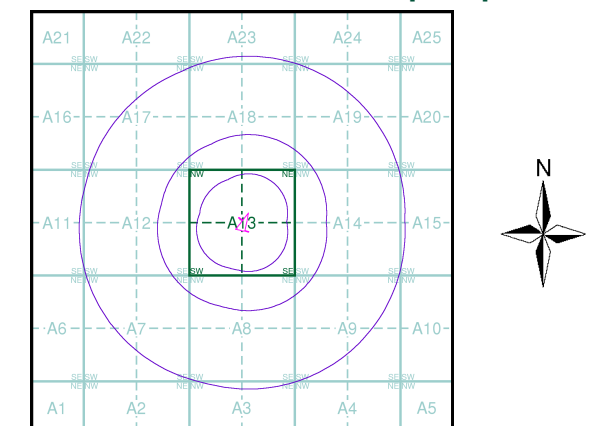
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- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
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Artificial Ground and Landslip Map - Slice A

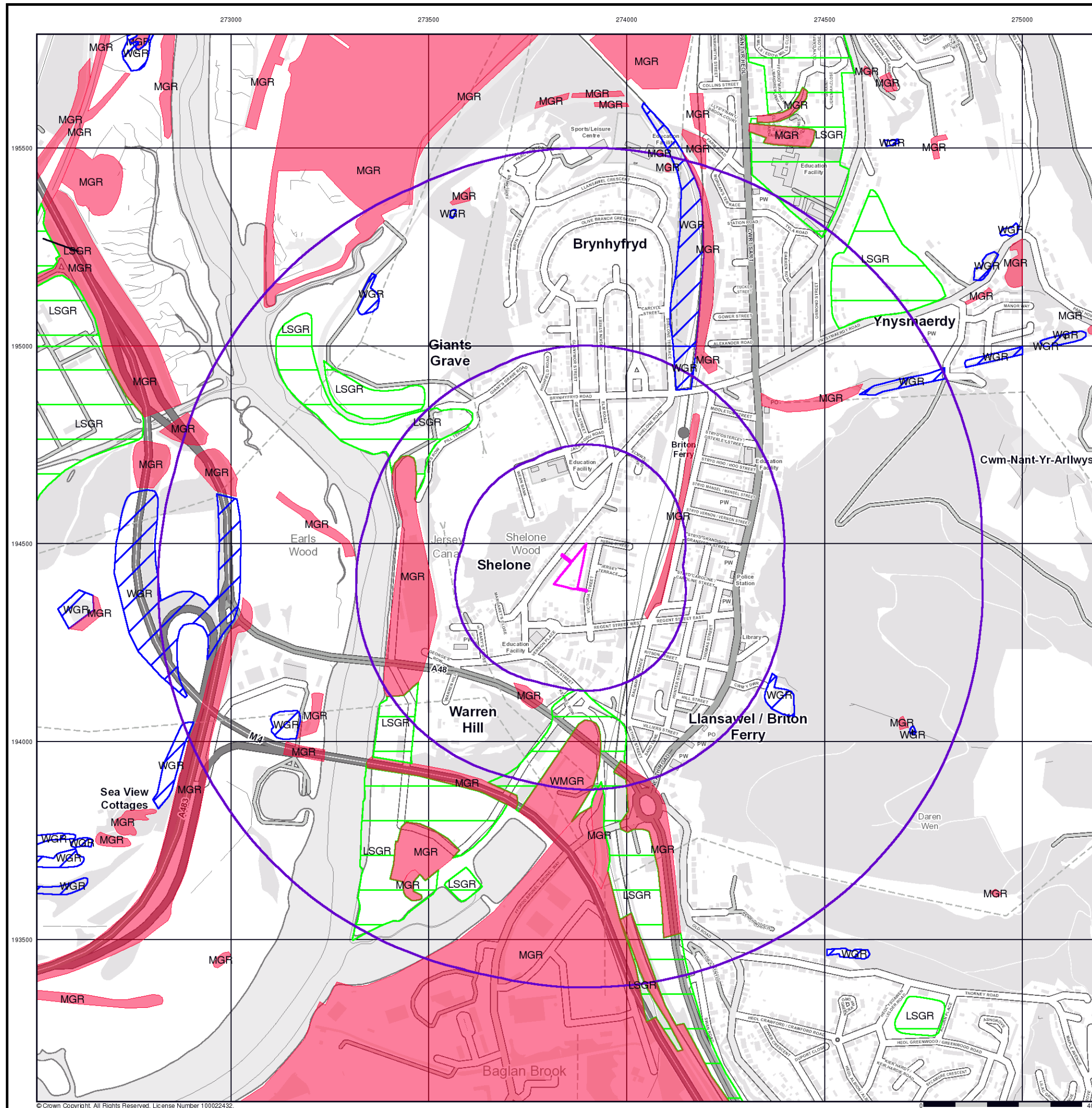


Order Details

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National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 1000

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH



Bedrock and Faults

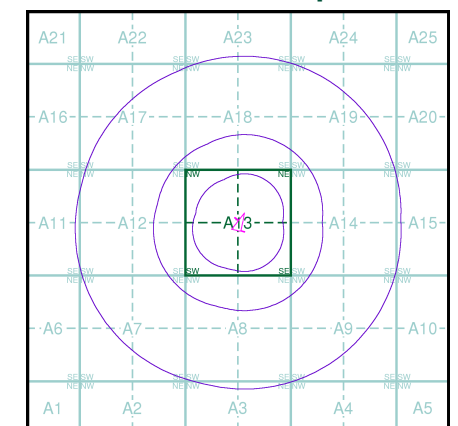
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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 and thin beds mapped as lines such as coal seams and mineral veins. These are not restricted by age and could relate to features of any of the 1:10,000 geology datasets.

Bedrock and Faults Map - Slice A

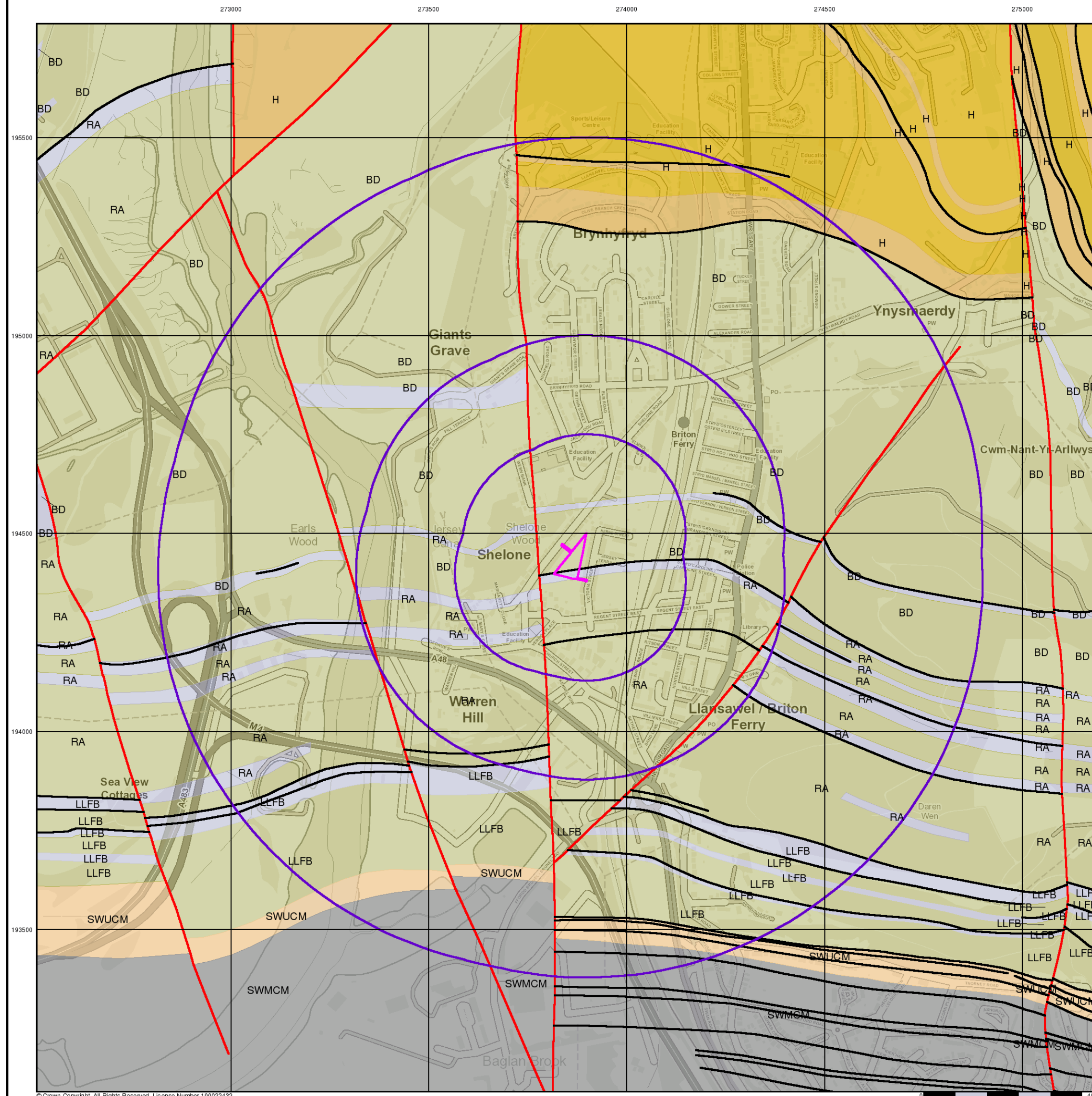


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Search Buffer (m): 1000

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH



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.

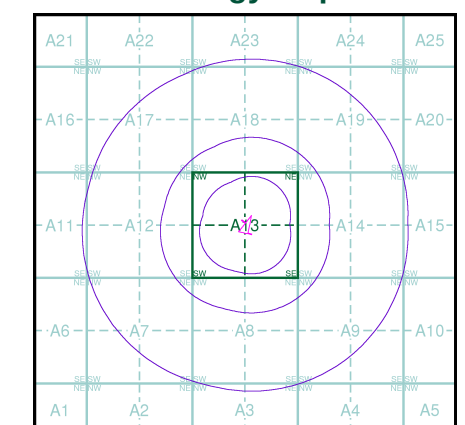
Additional Information

More information on 1:10,000 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

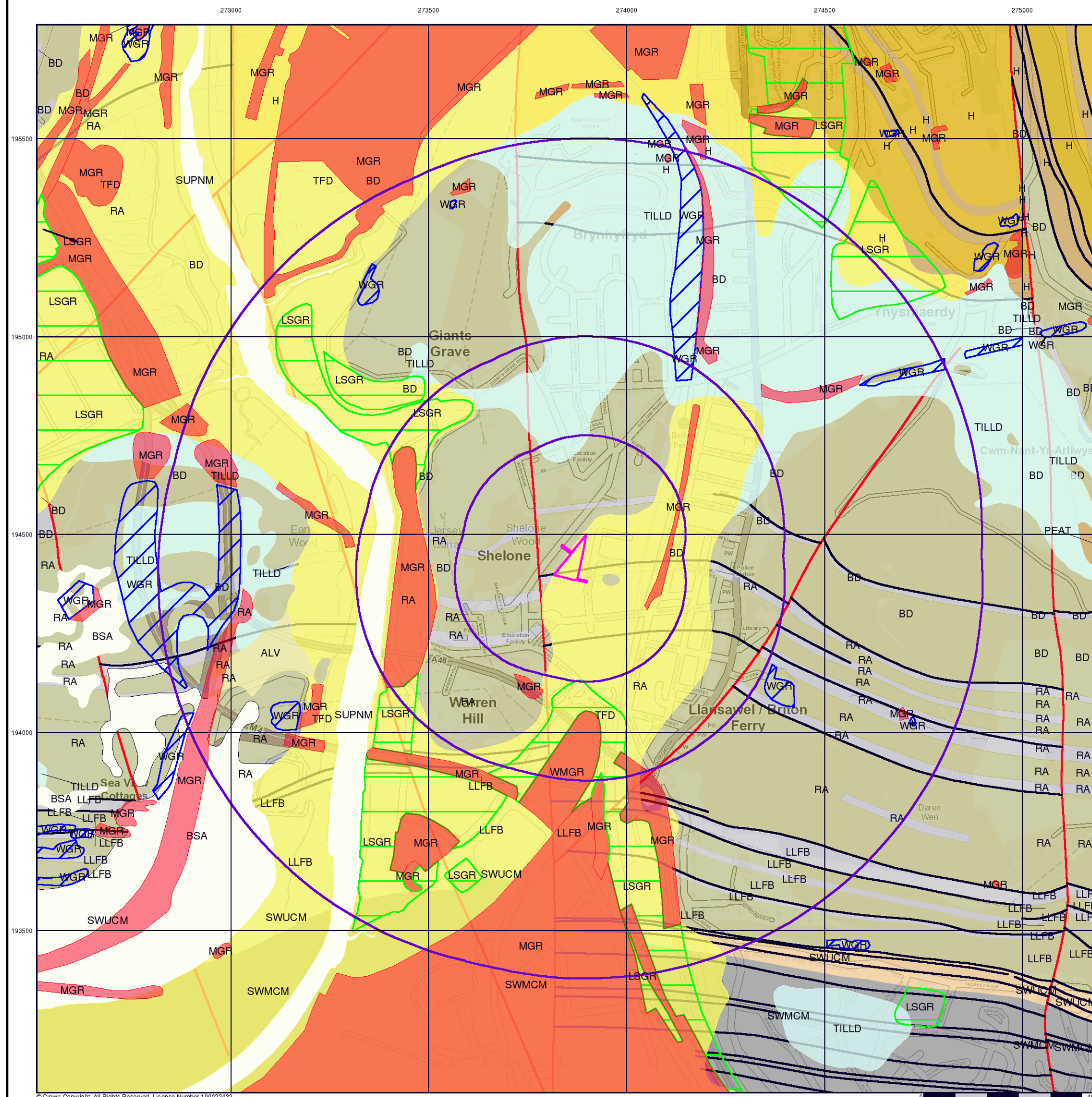


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Annex C

Coal Authority Non-Residential
Coal Mining Consultants Report



The Coal
Authority

Resolving the **impacts** of mining

Non-Residential Coal Mining Consultants Report



LAND BETWEEN VICTORIA STREET AND SHELONE ROAD, BRITON
FERRY, NEATH PORT TALBOT

Date of enquiry: 19 March 2017
Date enquiry received: 19 March 2017
Issue date: 19 March 2017

Our reference: 51001389859001
Your reference: P2240

Non-Residential Coal Mining Consultants Report

This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

Ground Investigation (Wales) Limited

Enquiry address

LAND BETWEEN VICTORIA STREET AND SHELONE ROAD, BRITON FERRY, NEATH PORT TALBOT

How to contact us

0345 762 6848 (UK)

+44 (0)1623 637 000 (International)

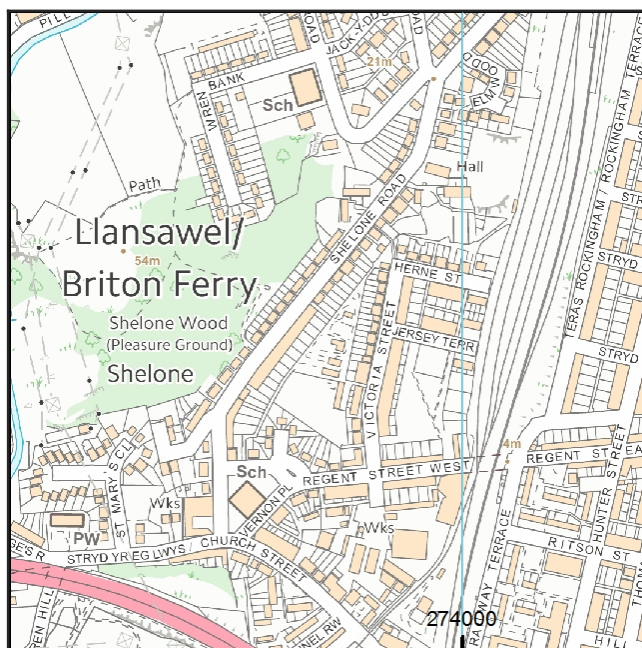
200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

www.groundstability.com

[in /company/the-coal-authority](https://www.linkedin.com/company/the-coal-authority)

[f /thecoalauthority](https://www.facebook.com/thecoalauthority)

[t /coalauthority](https://twitter.com/coalauthority)



Approximate position of property



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Ordnance Survey Licence number: 100020315

Detailed findings

Past underground coal mining

None recorded.

Probable unrecorded shallow workings

None.

Outcrops

Seam name	Mineral	Thin indicator	Distance to outcrop (m)	Direction to outcrop	Bearing of outcrop
TILLERY RIDER NO.2	Coal	False	Beneath property	N/A	78

Spine roadways at shallow depth

None recorded.

Future underground mining

None recorded.

Licence details (AOR)

None recorded.

Section 46 notices

None recorded.

Geology

No faults, fissures or breaklines recorded.

Mine entries

None recorded.

Court orders

None recorded.

Worked out opencast sites

None recorded.

Coal mining related hazards

None recorded.

Coal mining subsidence

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

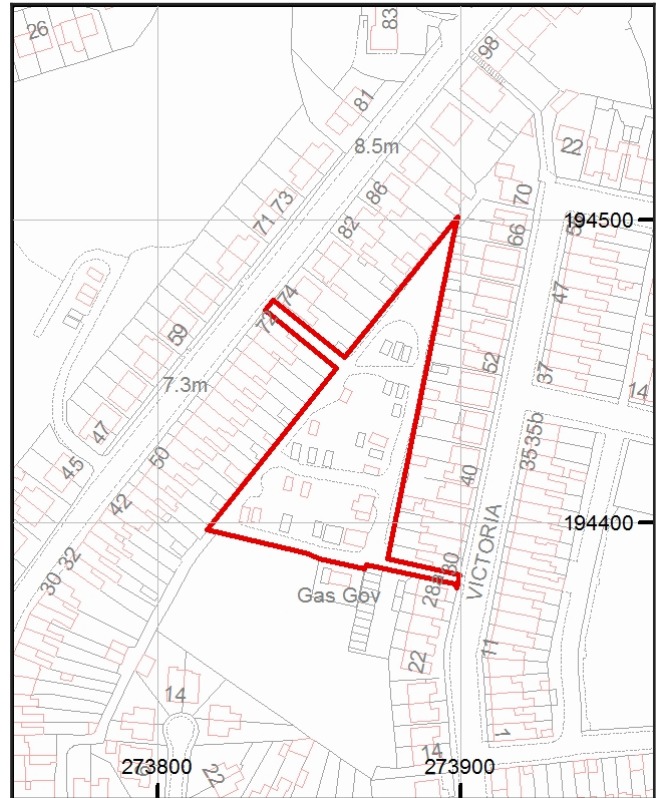
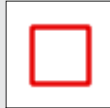
There is no current Stop Notice delaying the start of remedial works or repairs to the property.

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

Enquiry boundary

Key

Approximate position of enquiry boundary shown



How to contact us

0345 762 6848 (UK)
+44 (0)1623 637 000 (International)

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

www.groundstability.com

 /company/the-coal-authority

 /thecoalauthority

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VAT receipt

Issued by	The Coal Authority 200 Lichfield Lane Mansfield Nottinghamshire NG18 4RG
Tax point date	19 March 2017
Issued to	GROUND INVESTIGATION (WALES) LIMITED 677 GOWER ROAD UPPER KILLAY SWANSEA SA2 7HQ
Property search for	LAND BETWEEN VICTORIA STREET AND SHELONE ROAD, BRITON FERRY NEATH PORT TALBOT
Reference number	51001389859001
Date of issue	19 March 2017

Annex D

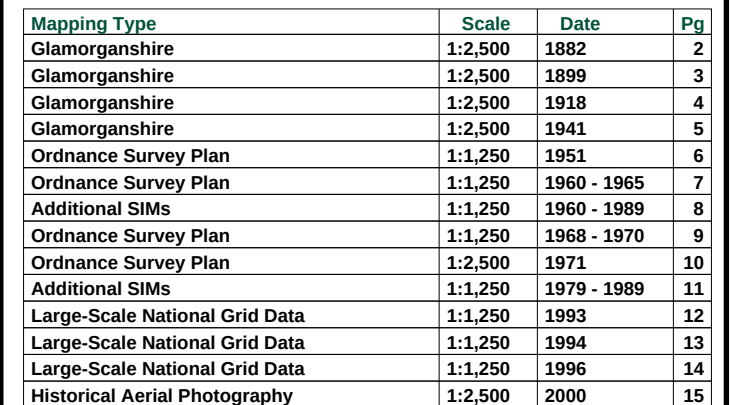
Historical Maps

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

	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		

	Inactive Quarry, Chalk Pit or Clay Pit		Active Quarry, Chalk Pit or Clay Pit
	Rock		Boulders
	Cliff		Slopes
	Roofed Building		Glazed Roof Building
	Sloping Masonry		Archway
	Non-Coniferous Tree (surveyed)		Coniferous Tree (surveyed)
	Non-Coniferous Trees (not surveyed)		Coniferous Trees (not surveyed)
	Orchard Tree		Scrub
	Coppice, Osier		Reeds
	Rough Grassland		Heath
	Direction of water flow		Bench Mark
	Cave Entrance		Triangulation Station
	Electricity Transmission Line		Antiquity (site of)
	County Boundary (Geographical)		Electricity Pylon
	County & Civil Parish Boundary		Symbol marking point where boundary mereing changes
	Civil Parish Boundary		
	Admin. County or County Bor. Boundary		
	London Borough Boundary		
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

	Cliff		Slopes		Top
	Rock		Rock (scattered)		Boulders (scattered)
	Boulders		Scree		Non-Coniferous Tree (surveyed)
	Positioned Boulder		Coniferous Tree (surveyed)		Non-Coniferous Trees (not surveyed)
	Non-Coniferous Tree (surveyed)		Coniferous Trees (not surveyed)		Orchard Tree
	Non-Coniferous Trees (not surveyed)		Scrub		Bracken
	Orchard Tree		Coppice, Osier		Reeds
	Coppice, Osier		Marsh, Saltings		Rough Grassland
	Reeds		Heath		Triangulation Station
	Rough Grassland		Antiquity (site of)		Direction of water flow
	Triangulation Station		Electricity Transmission Line		Electricity Pylon
	Antiquity (site of)		Bench Mark		Buildings with Building Seed
	Direction of water flow		Roofed Building		Glazed Roof Building
	Electricity Transmission Line		Civil parish/community boundary		District boundary
	Buildings with Building Seed		County boundary		Boundary post/stone
	Roofed Building		Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)		
	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 Governor	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		



The figure shows a 10x10 grid map. The columns are labeled A1 through A5 at the top and bottom. The rows are labeled A1 through A10 on the left and right. A 3x3 grid of cells, specifically A2-A4 and A7-A9, is enclosed by a thick black border. Within this bordered area, the central cell (A3, A8) is circled in purple. To the right of the grid is a compass rose with an arrow pointing towards the top right, labeled 'N' for North.

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 100

Land between Victoria Street and Shelone Road, Briton Ferry,
NEATH

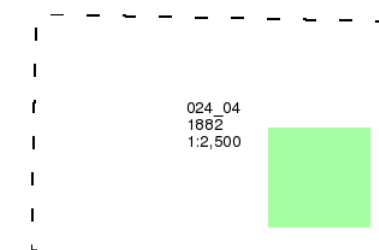
Glamorganshire

Published 1882

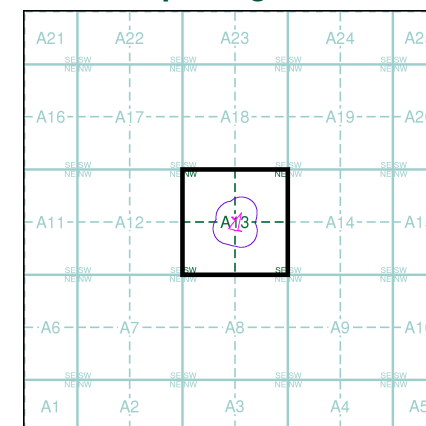
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

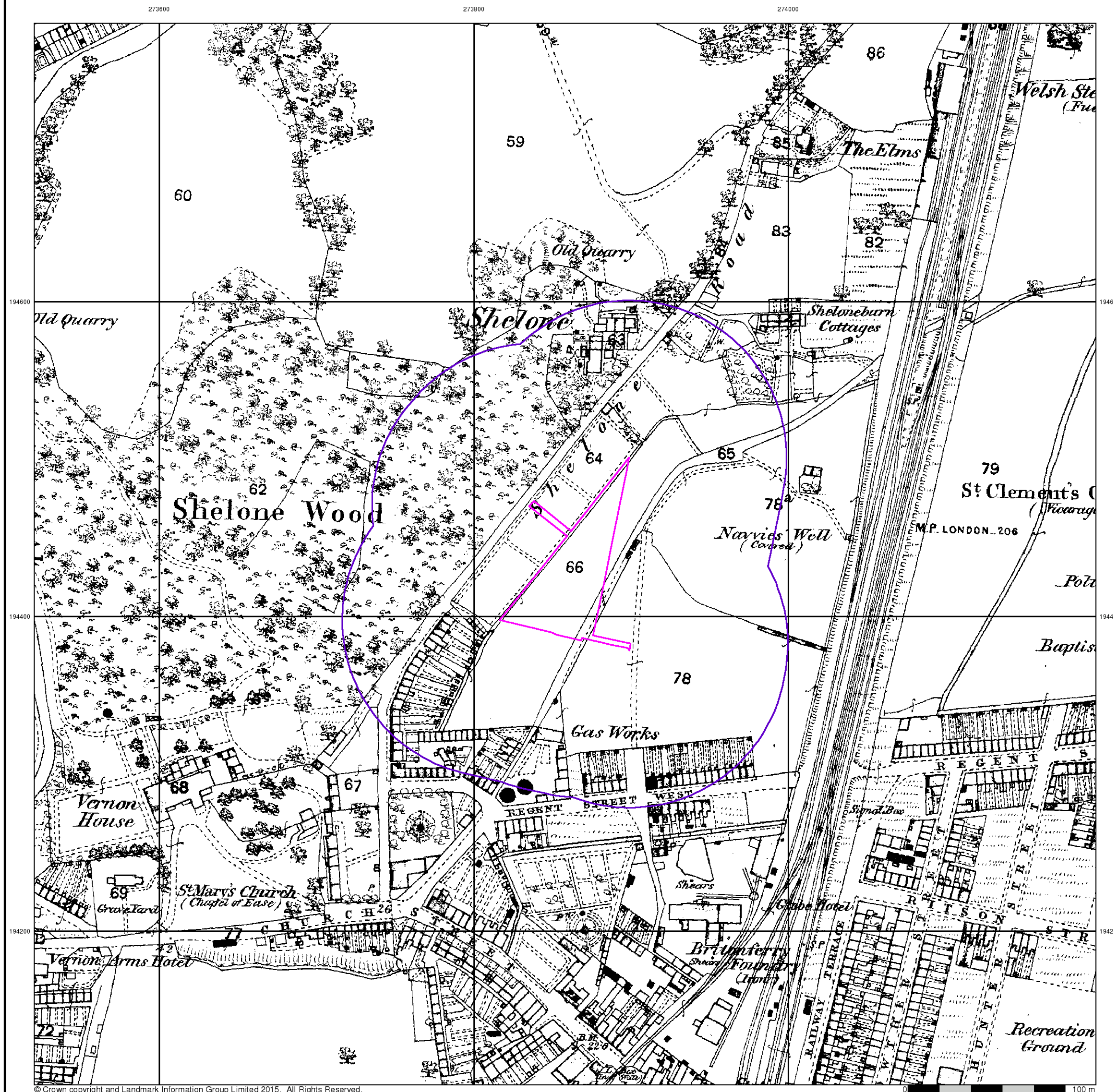


Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 100

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH



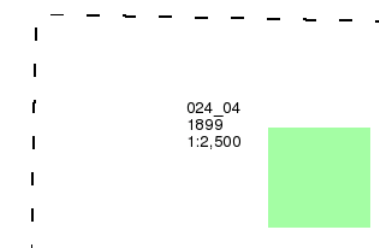
Glamorganshire

Published 1899

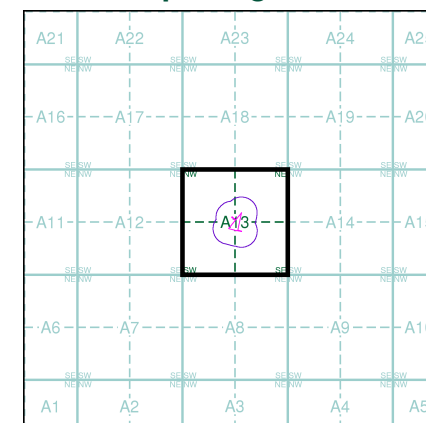
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

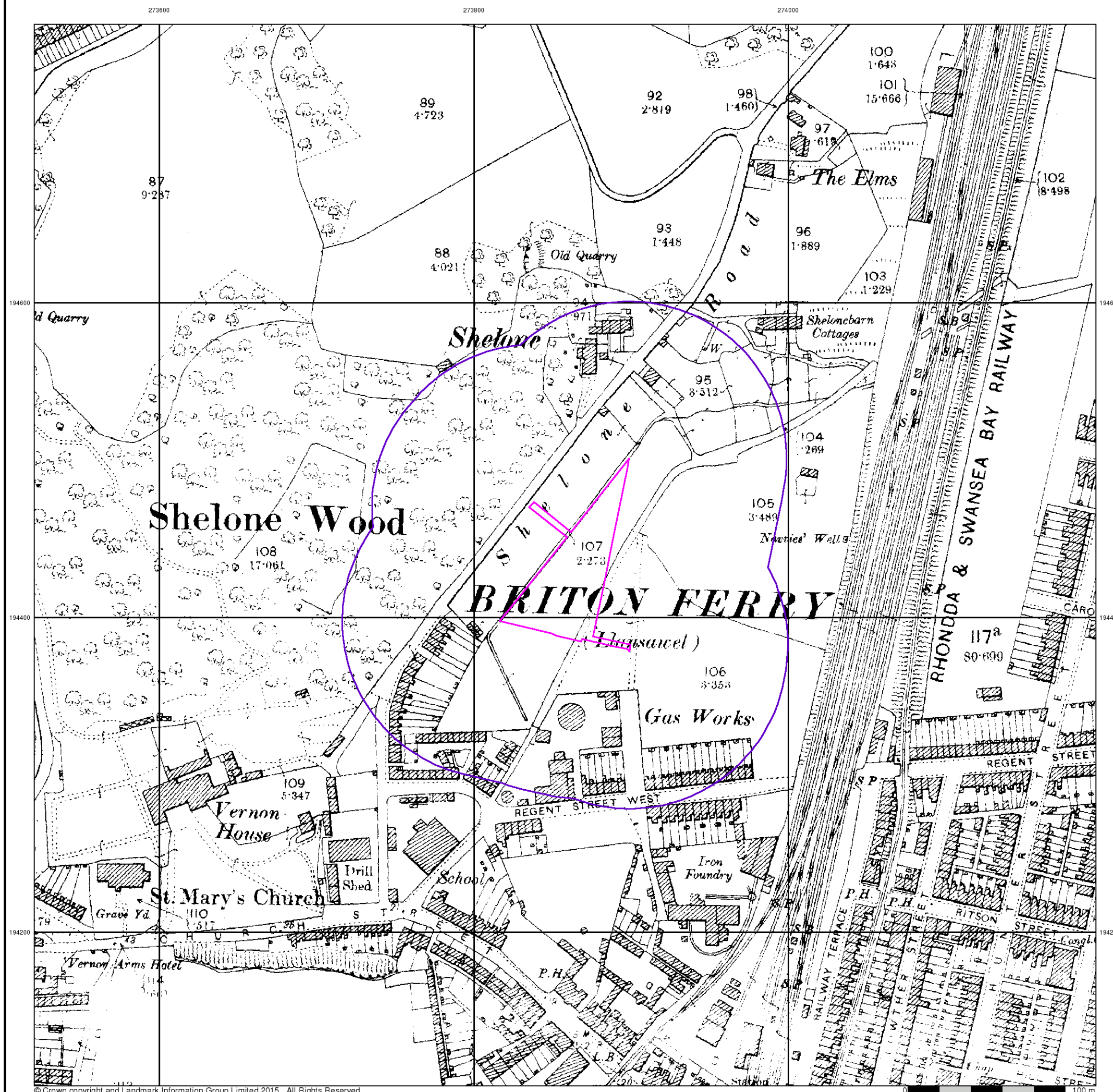


Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 100

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH



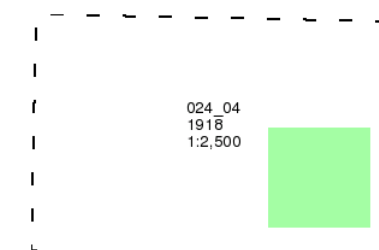
Glamorganshire

Published 1918

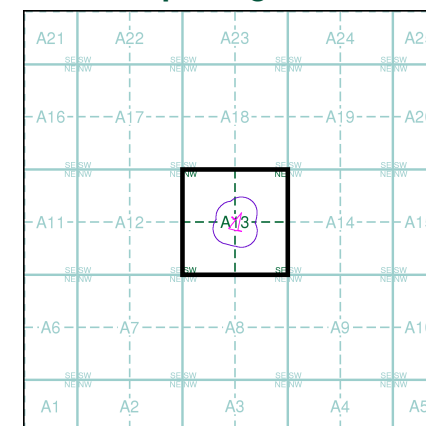
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

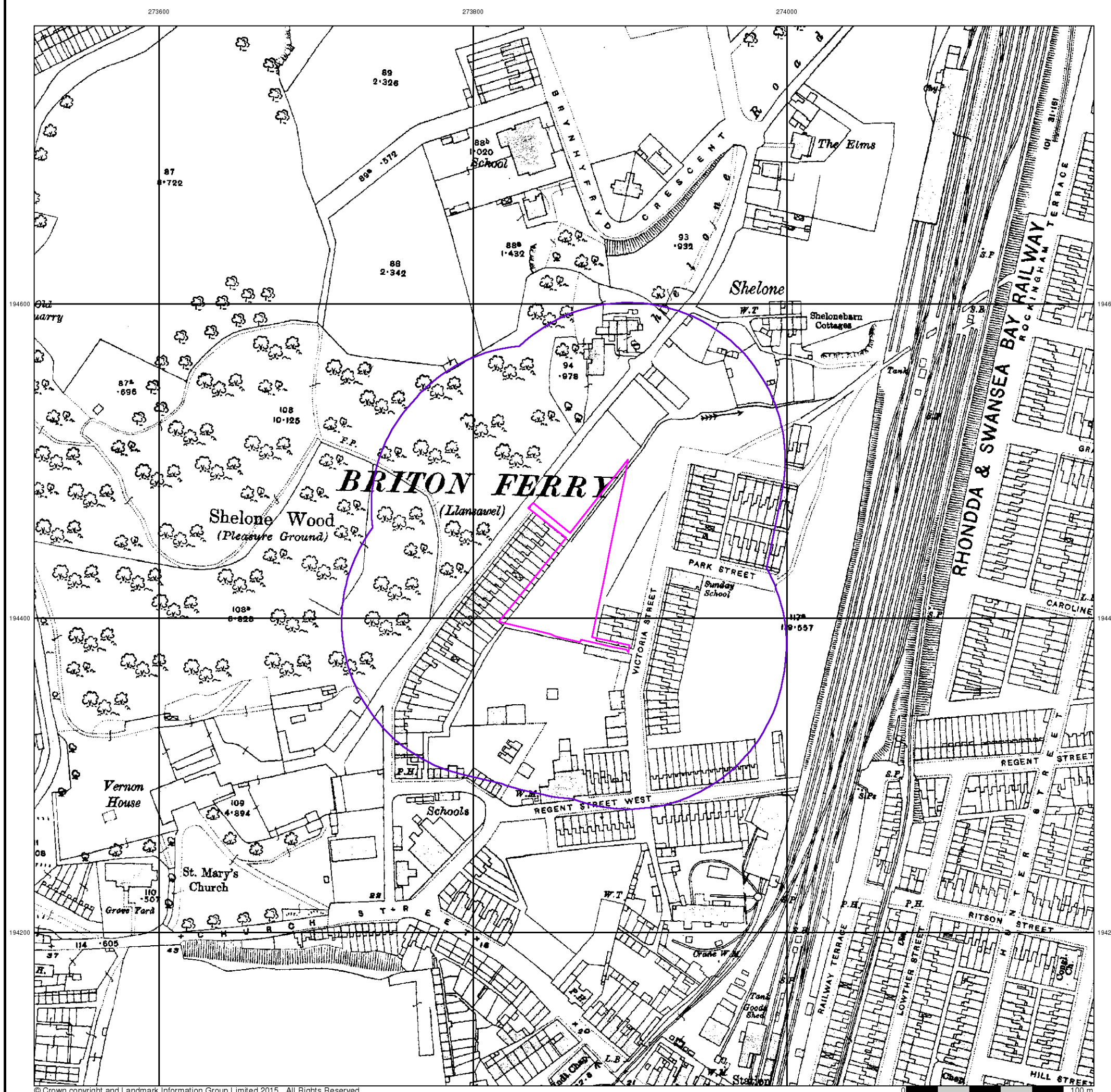


Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 100

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH



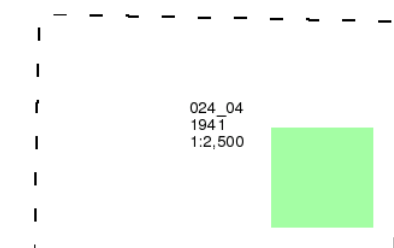
Glamorganshire

Published 1941

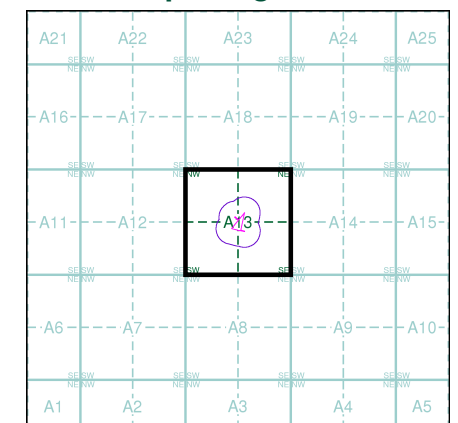
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

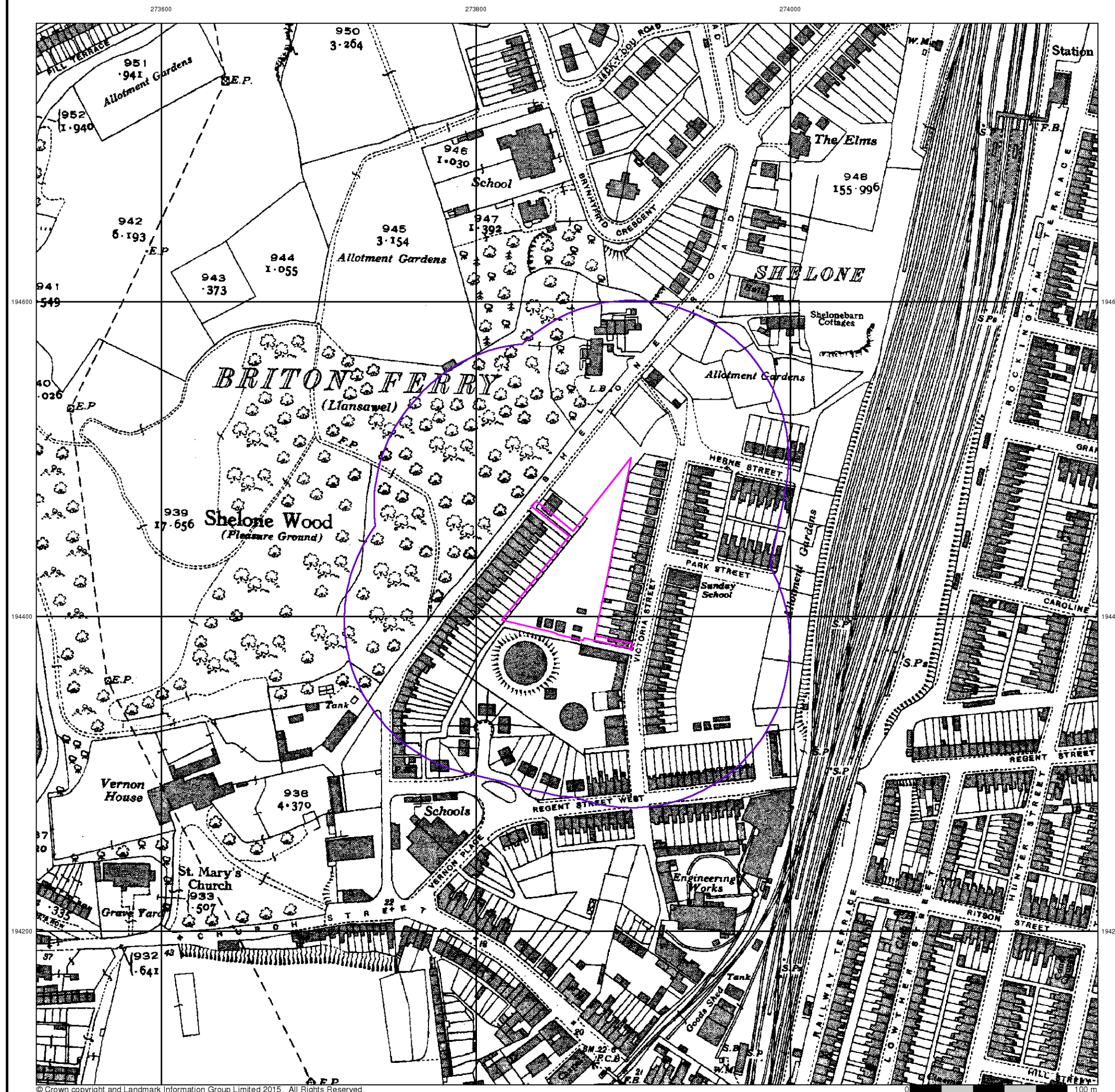


Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 100

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH



Ordnance Survey Plan

Published 1951

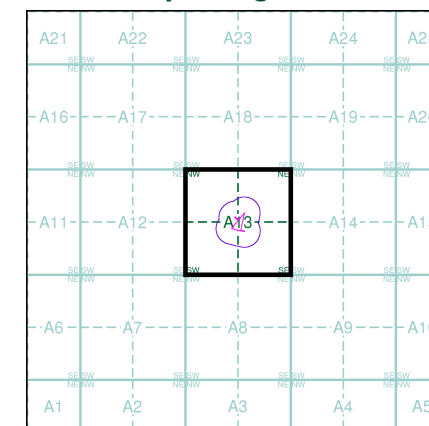
Source map scale - 1:1,250

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)

SS7394NE 1951 1:1,250	SS7494NW 1951 1:1,250
SS7394SE 1951 1:1,250	SS7494SW 1951 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 100

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH

Ordnance Survey Plan

Published 1960 - 1965

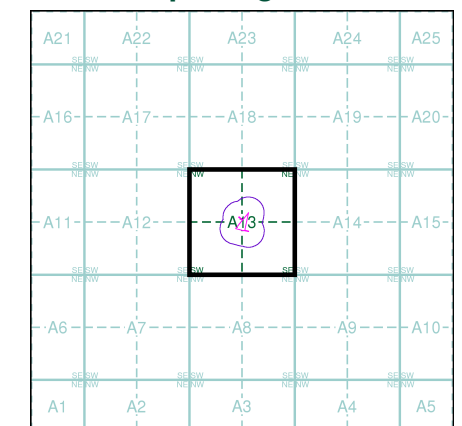
Source map scale - 1:1,250

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)

SS7394NE 1965 1:1,250	SS7494NW 1960 1:1,250
SS7394SE 1964 1:1,250	SS7494SW 1960 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 100

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH

Additional SIMs

Published 1960 - 1989

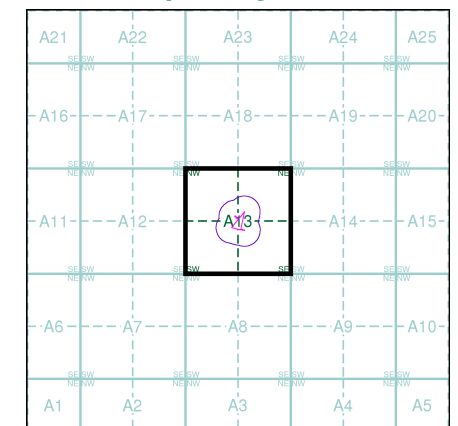
Source map scale - 1:1,250

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)

SS7394NE 1985 1:1,250	SS7494NW 1989 1:1,250
SS7394SE 1982 1:1,250	SS7494SW 1980 1:1,250

Historical Map - Segment A13

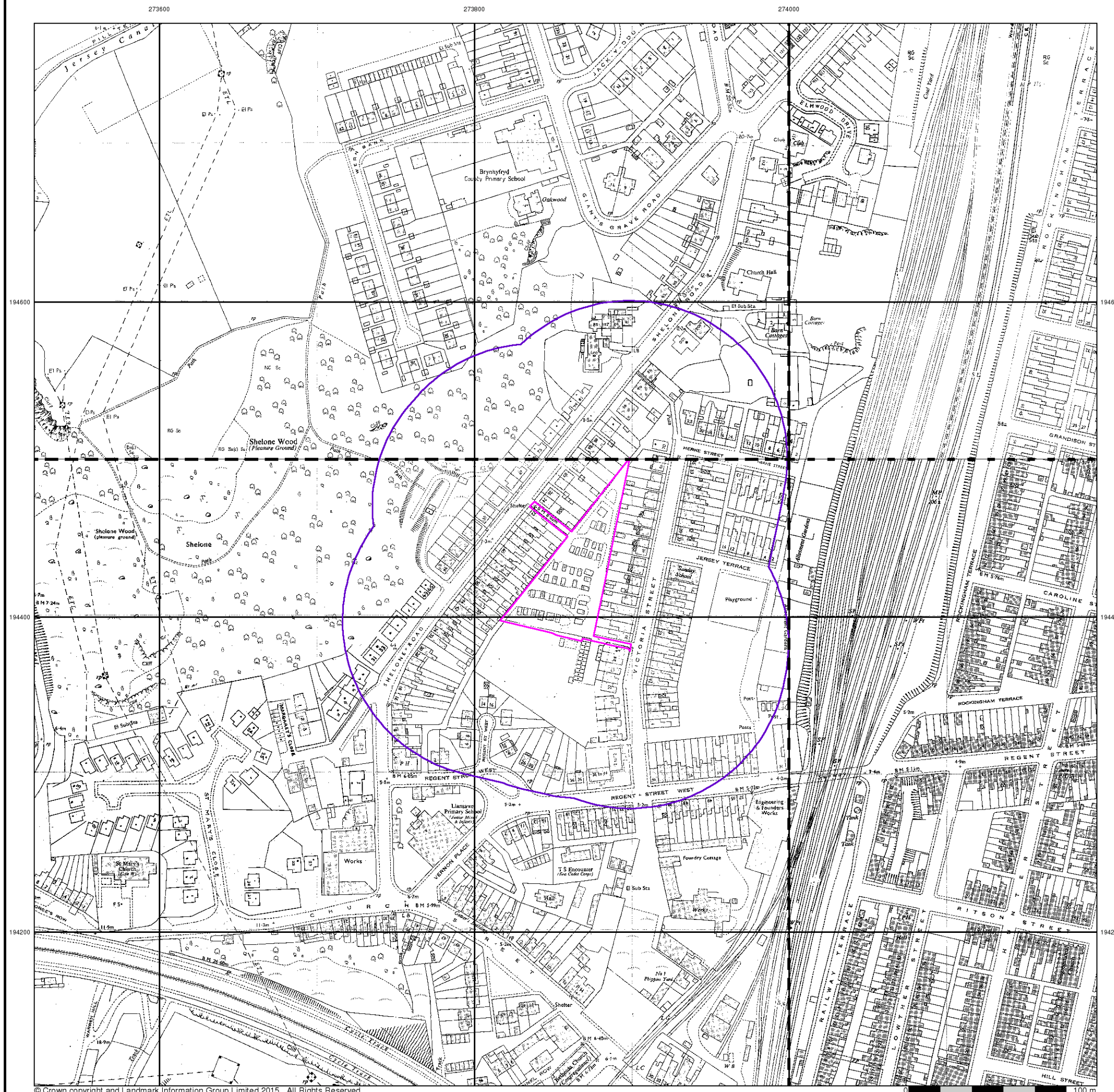


Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 100

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH



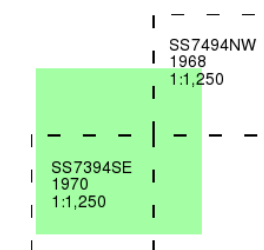
Ordnance Survey Plan

Published 1968 - 1970

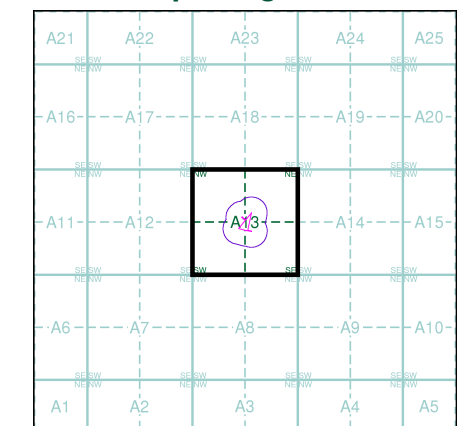
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 100

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH

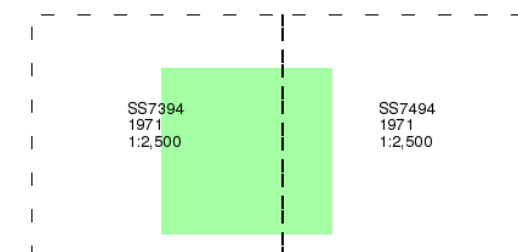
Ordnance Survey Plan

Published 1971

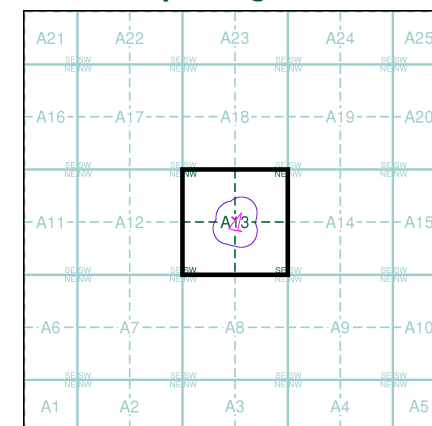
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

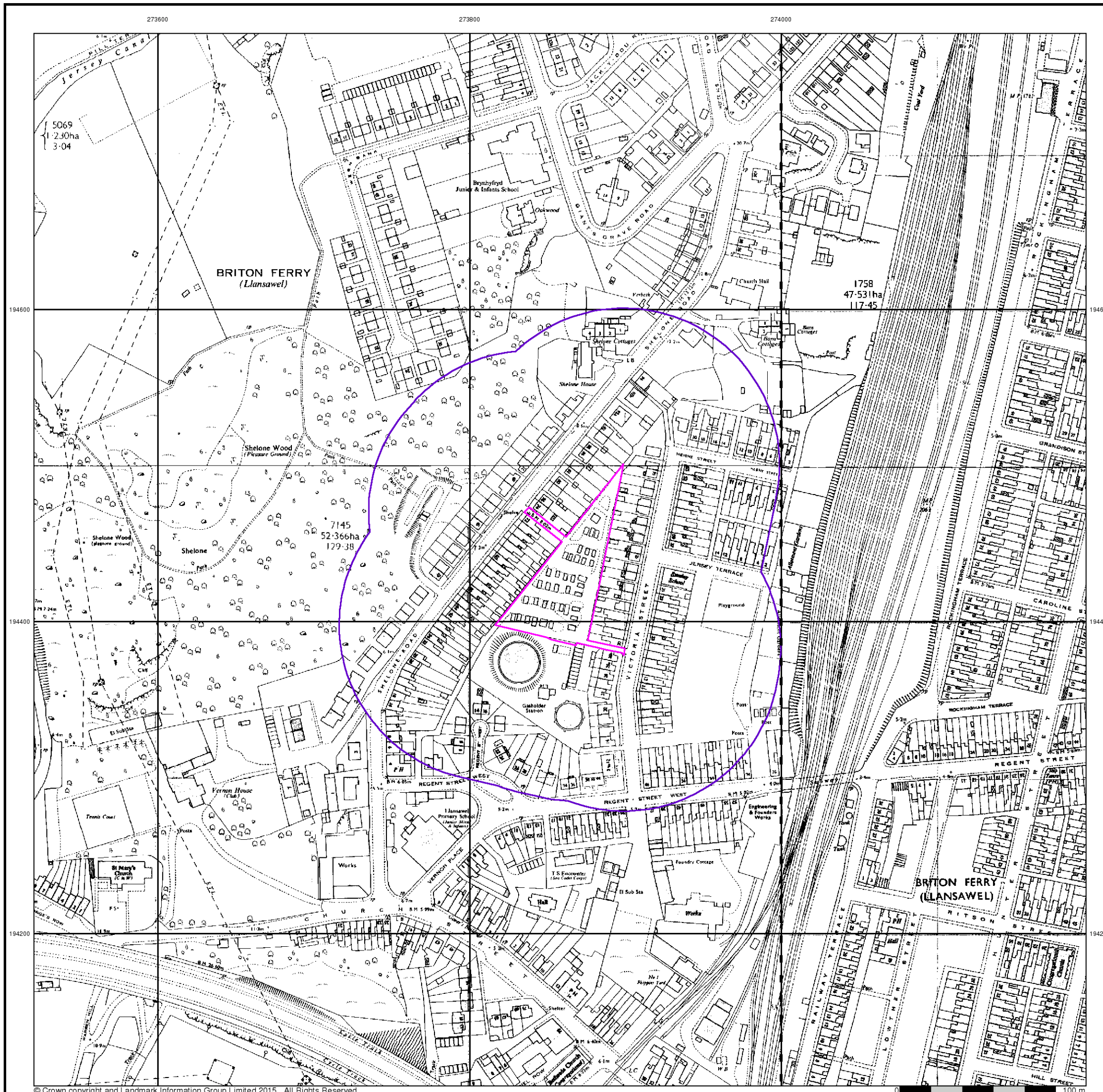


Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 100

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH



Additional SIMs

Published 1979 - 1989

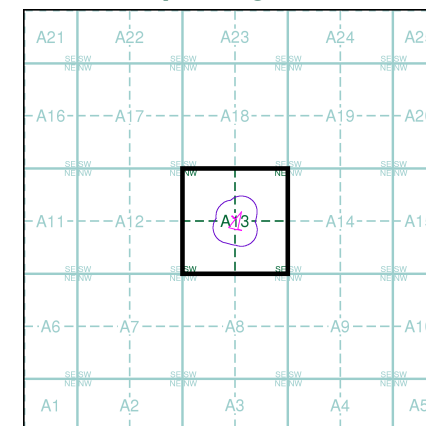
Source map scale - 1:1,250

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)

SS7394NE 1989 1:1,250	
SS7394SE 1989 1:1,250	SS7494SW 1979 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 100

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH

Large-Scale National Grid Data

Published 1993

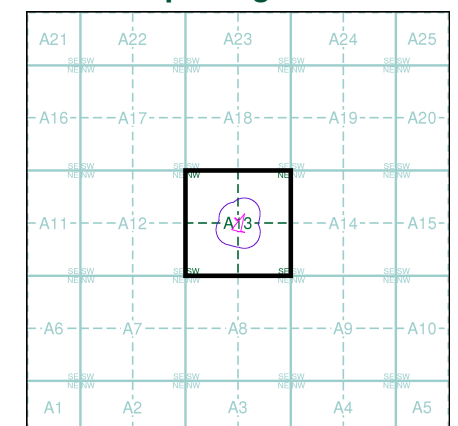
Source map scale - 1:1,250

'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)

SS7394NE 1993 1:1,250	SS7494NW 1993 1:1,250
SS7394SE 1993 1:1,250	SS7494SW 1993 1:1,250

Historical Map - Segment A13

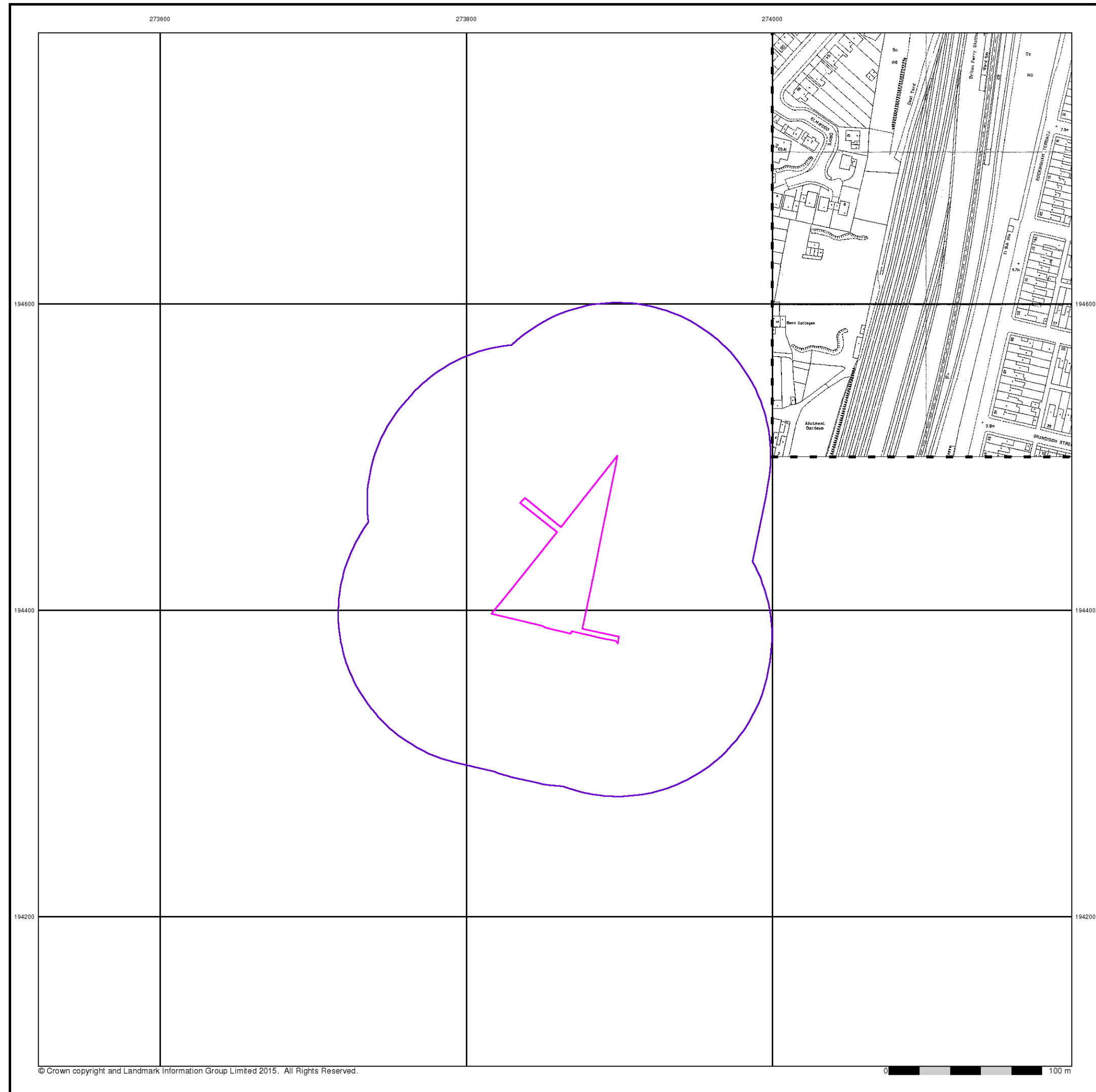


Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 100

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH





Ground Investigation
www.ground-investigation.com
677 Gower Road, Swansea, SA2 7HQ. ☎ 01792 411013

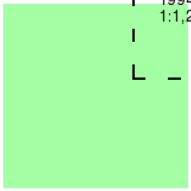
Large-Scale National Grid Data

Published 1994

Source map scale - 1:1,250

'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)

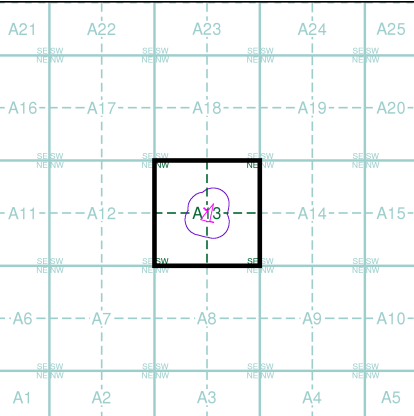


SS7494NW

1994

1:1,250

Historical Map - Segment A13



Order Details

Order Number:	117937968_1_1
Customer Ref:	P1266-01
National Grid Reference:	273870, 194440
Slice:	A
Site Area (Ha):	0.39
Search Buffer (m):	100

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH



Landmark
INFORMATION GROUP

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

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0 100 m

A Landmark Information Group Service v50.0 16-Mar-2017

Page 13 of 15

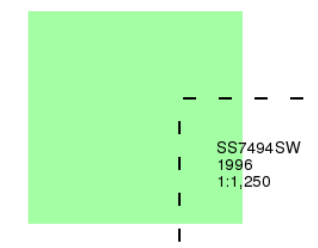
Large-Scale National Grid Data

Published 1996

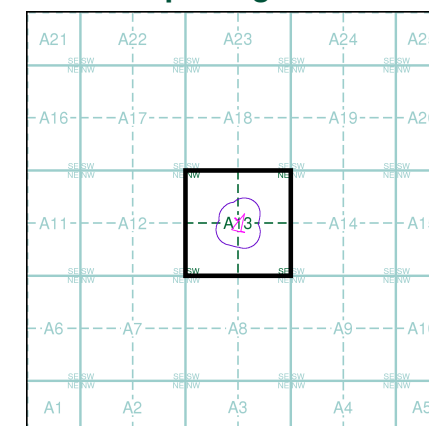
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 100

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH

194600

194400

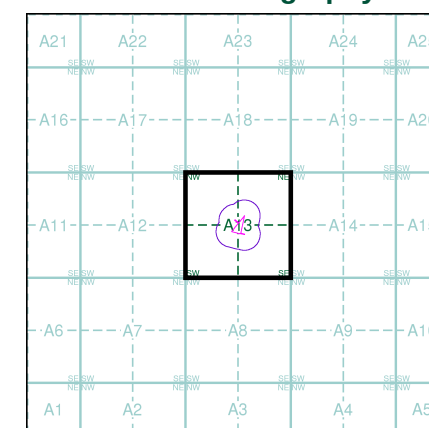
194200

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 A13



Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 100

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH



Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

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

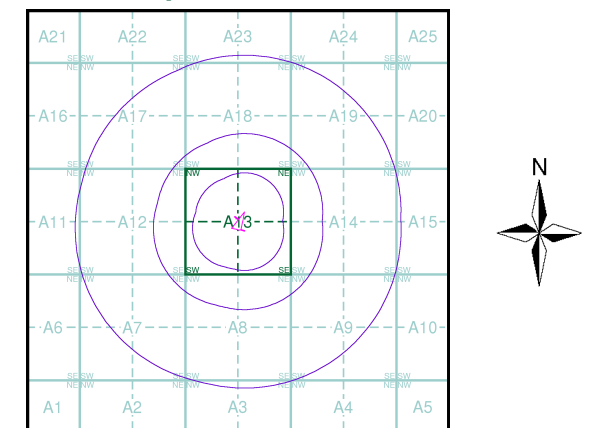
1:10,000 Raster Mapping

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

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:10,560	1884	3
Glamorganshire	1:10,560	1900	4
Glamorganshire	1:10,560	1921	5
Glamorganshire	1:10,560	1921	6
Glamorganshire	1:10,560	1936	7
Glamorganshire	1:10,560	1938 - 1951	8
Historical Aerial Photography	1:10,560	1945 - 1949	9
Glamorganshire	1:10,560	1951 - 1952	10
Ordnance Survey Plan	1:10,000	1964 - 1965	11
Ordnance Survey Plan	1:10,000	1970 - 1974	12
Swansea	1:10,000	1976	13
Ordnance Survey Plan	1:10,000	1980 - 1983	14
Ordnance Survey Plan	1:10,000	1992 - 1996	15
10K Raster Mapping	1:10,000	1999	16
10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2017	18

Historical Map - Slice A



Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 1000

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH

Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Fireproof Building Prominent Fireproof Building

Non-fireproof Building Non-fireproof Building (non-dwelling)

Factory, mill, and flour mill, with chimneys Factory, mill, and flour mill, without chimneys

Power Station, drawn to scale Hydroelectric Power Station

Radio Station, drawn to scale Telephone Station, drawn to scale

Abandoned Open-pit Mine or Quarry Open-pit Salt Mine

Pit Oil Deposit or Well Oil Seepage

Tailings Pile Fuel Storage Tanks Natural Gas Tank

Bench Mark Drill Hole Burial Mound Triangulation Point on Burial Mound

Single-track Railroad Small Bridge Double-track Railroad and Station Building

Coniferous Forest Deciduous Forest Mixed Forest

Lawns Citrus Orchard Wet Ground Scattered Vegetation

243.8 Values for prominent elevations

186.0 Numbers for spot elevations, depth soundings, contour lines, etc.

0.2 Velocity of the current, width of river bed, depth of river

180/12 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

А а (A) З з (Z) П п (P) Ч ч (CH)

Б б (B) И и (I) Р р (R) Ш ш (SH)

В в (V) Й й (Y) С с (S) Щ щ (SHCH)

Г г (G) К к (K) Т т (T) Ъ ъ (-)

Д д (D) Л л (L) У у (U) Ы ы (Y)

Е е (E) М м (M) Ф ф (F) Ь ь (')

Ё ё (YO) Н н (N) Х х (KH) Э э (E)

Ж ж (ZH) О о (O) Ц ц (TS) Ю ю (YU or IU)

Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Partly Demolished Buildings Demolished Buildings

Built-Up Area with Fireproof Buildings Predominant Built-Up Area with Non-Fireproof Buildings Predominant

Individual Fireproof Building Prominent Industrial Building

Individual Dwelling, Fireproof Ruins of an Individual Dwelling

Factory or Mill Chimney Factory or Mill with Chimney Factory or Mill without Chimney Mine or Open Pit Mine

Operating Shaft or Mine Non-Operating Shaft or Mine Salt Mine Tailings Pile

Pit Stone Quarry Gas Pump or Service Station Fuel Storage or Natural Gas Tank

Oil or Natural Gas Derrick Small Hydroelectric Power Station Power Station Transformer Station

Cemetery Burial Mound (height in metres) Triangulation Point on Burial Mound Triangulation Point

Bench Mark Bench Mark (monumented) Telegraph Office Telephone Station

Radio Station Radio Tower Airfield or Seaplane Base Landing Strip

Telegraph/Telephone Lines Main Highway Highway under Construction Improved Dirt Road (former truck road)

Double-track Railroad with First Class Station Dismantled Railroad Railroad Under Construction

Shore Embankment River or Ditch with Embankment Direction and velocity of current Water Gauge

Well Water Reservoir or Rain Water Pit Spring Isobath with value

Heavy (Index) Contour Line Contour Line and Value Half Contour Line Spot Elevation Value

Coniferous Deciduous Mixed Scrub

Key to Numbers on Mapping

Ground Investigation

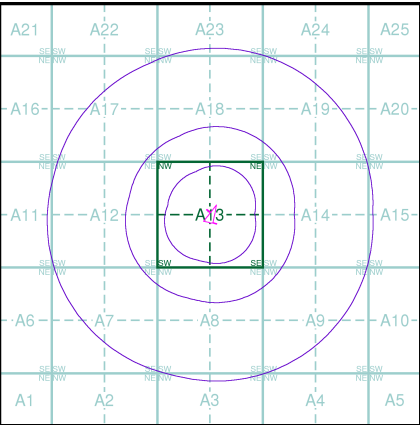
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:10,560	1884	3
Glamorganshire	1:10,560	1900	4
Glamorganshire	1:10,560	1921	5
Glamorganshire	1:10,560	1921	6
Glamorganshire	1:10,560	1936	7
Glamorganshire	1:10,560	1938 - 1951	8
Historical Aerial Photography	1:10,560	1945 - 1949	9
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Swansea	1:10,000	1976	13
Ordnance Survey Plan	1:10,000	1980 - 1983	14
Ordnance Survey Plan	1:10,000	1992 - 1996	15
10K Raster Mapping	1:10,000	1999	16
10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2017	18

Russian Map - Slice A



Order Details

Order Number: 117937968_1_1

Customer Ref: P1266-01

National Grid Reference: 273870, 194440

Slice: A

Site Area (Ha): 0.39

Search Buffer (m): 1000

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH

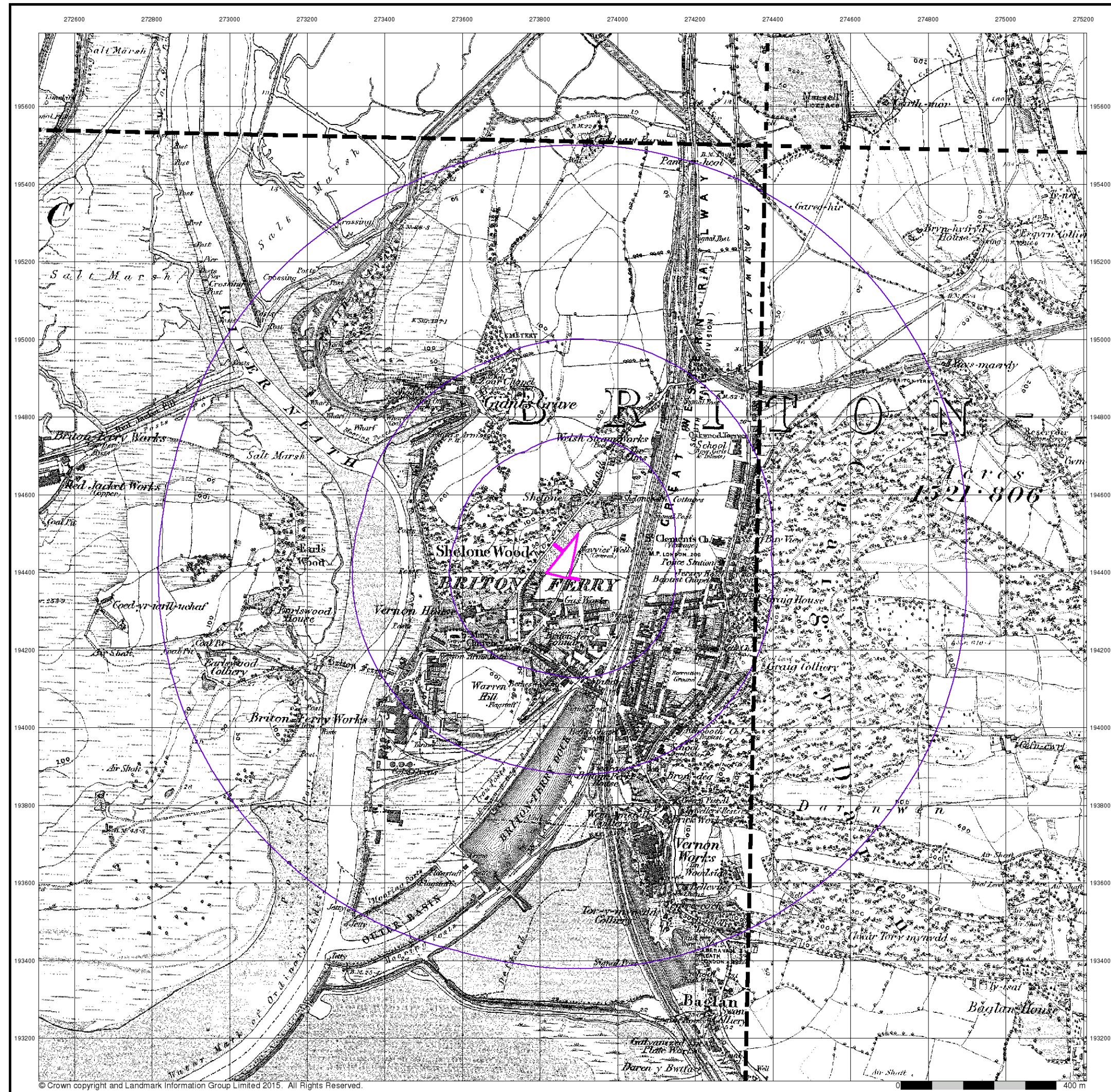
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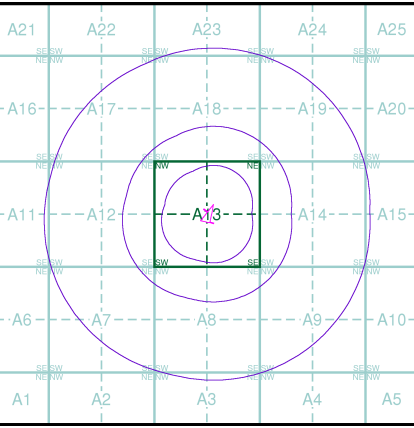
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Glamorganshire
Published 1884
Source map scale - 1:10,560

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Map Name(s) and Date(s)

01500 1884 1:10,560	01600 1884 1:10,560
02400 1884 1:10,560	02500 1884 1:10,560

Historical Map - Slice A

Order Details

Order Number:	117937968_1_1
Customer Ref:	P1266-01
National Grid Reference:	273870, 194440
Slice:	A
Site Area (Ha):	0.39
Search Buffer (m):	1000

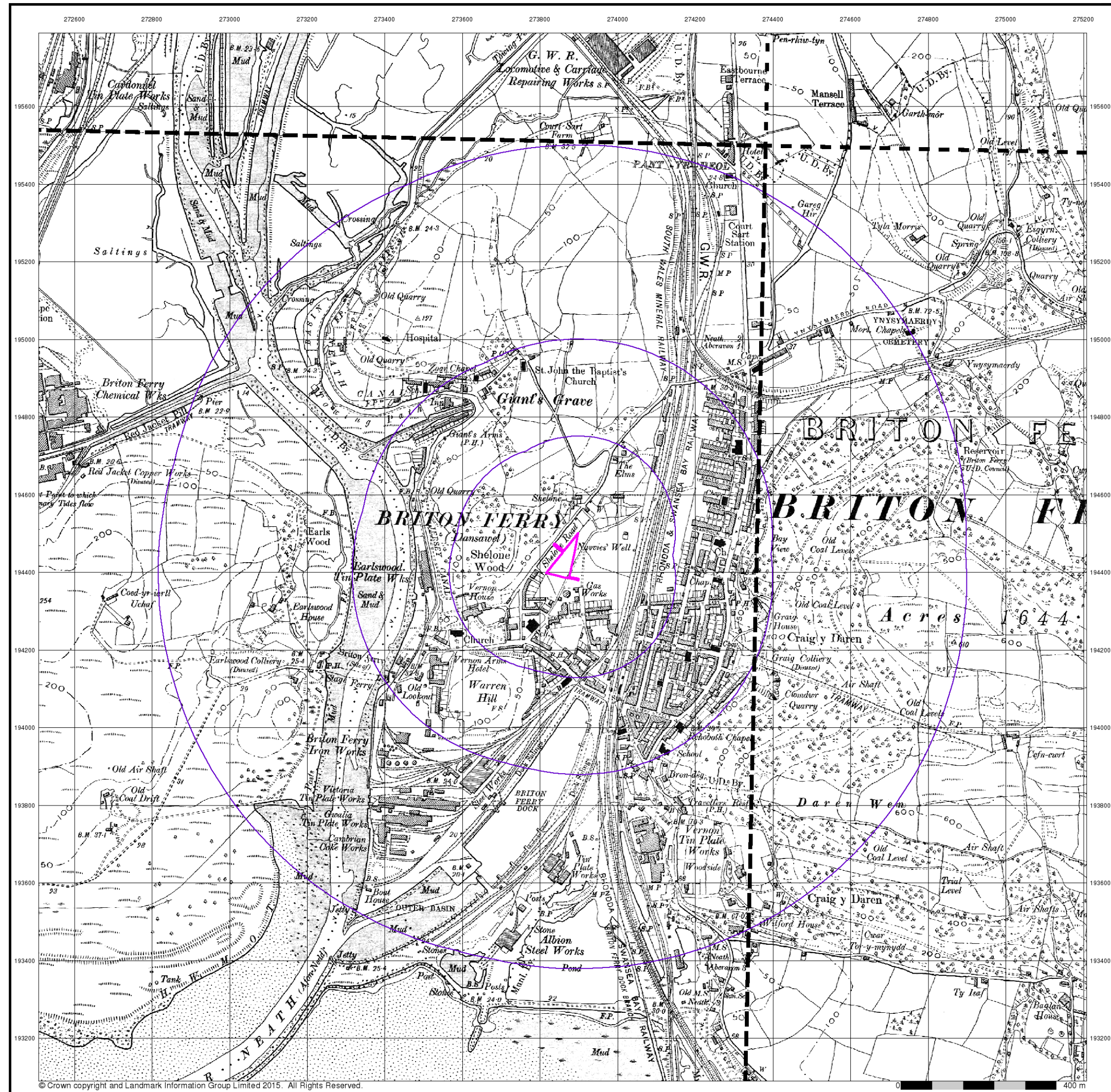
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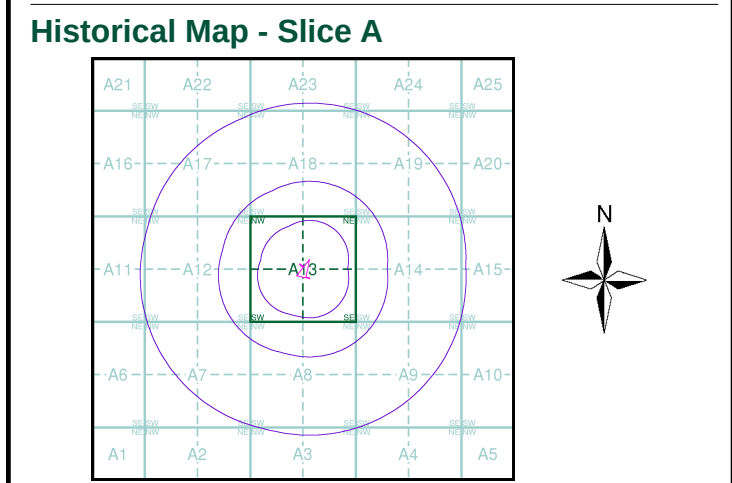


Glamorganshire
Published 1900
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

015SE 1900 1:10,560	016SW 1900 1:10,560
024NE 1900 1:10,560	025NW 1900 1:10,560



Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 1000

Site Details

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Glamorganshire

Published 1921

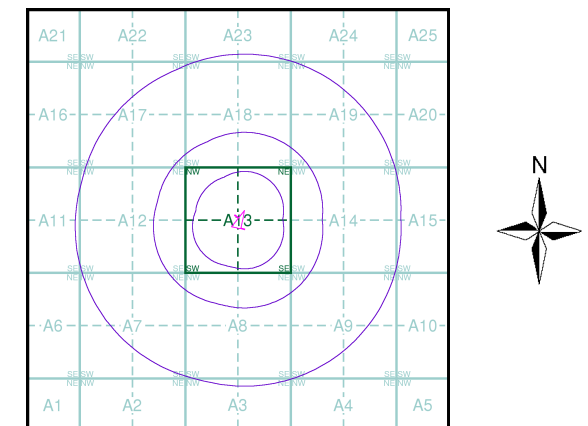
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

015SE 1921 1:10,560	016SW 1921 1:10,560
024NE 1921 1:10,560	025NW 1921 1:10,560

Historical Map - Slice A



Order Details

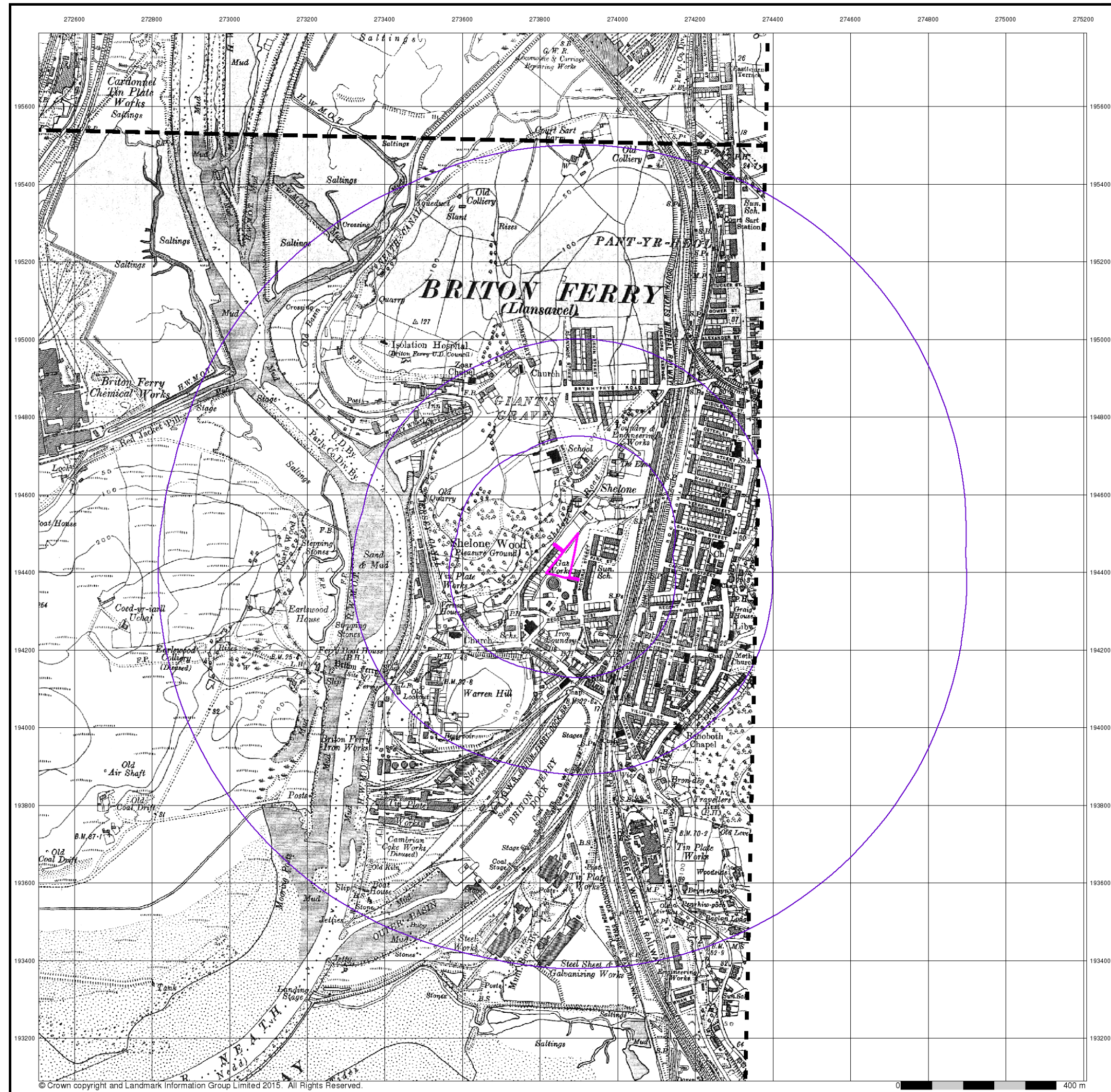
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Customer Ref:	P1266-01
National Grid Reference:	273870, 194440
Slice:	A
Site Area (Ha):	0.39
Search Buffer (m):	1000

Site Details

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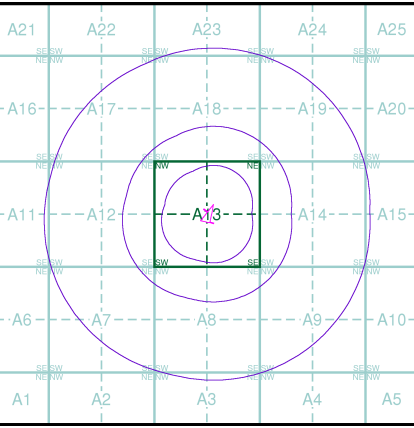
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Glamorganshire
Published 1921
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

015SE	1921	1:10,560
024NE	1921	1:10,560

Historical Map - Slice A

Order Details

Order Number:	117937968_1_1
Customer Ref:	P1266-01
National Grid Reference:	273870, 194440
Slice:	A
Site Area (Ha):	0.39
Search Buffer (m):	1000

Site Details

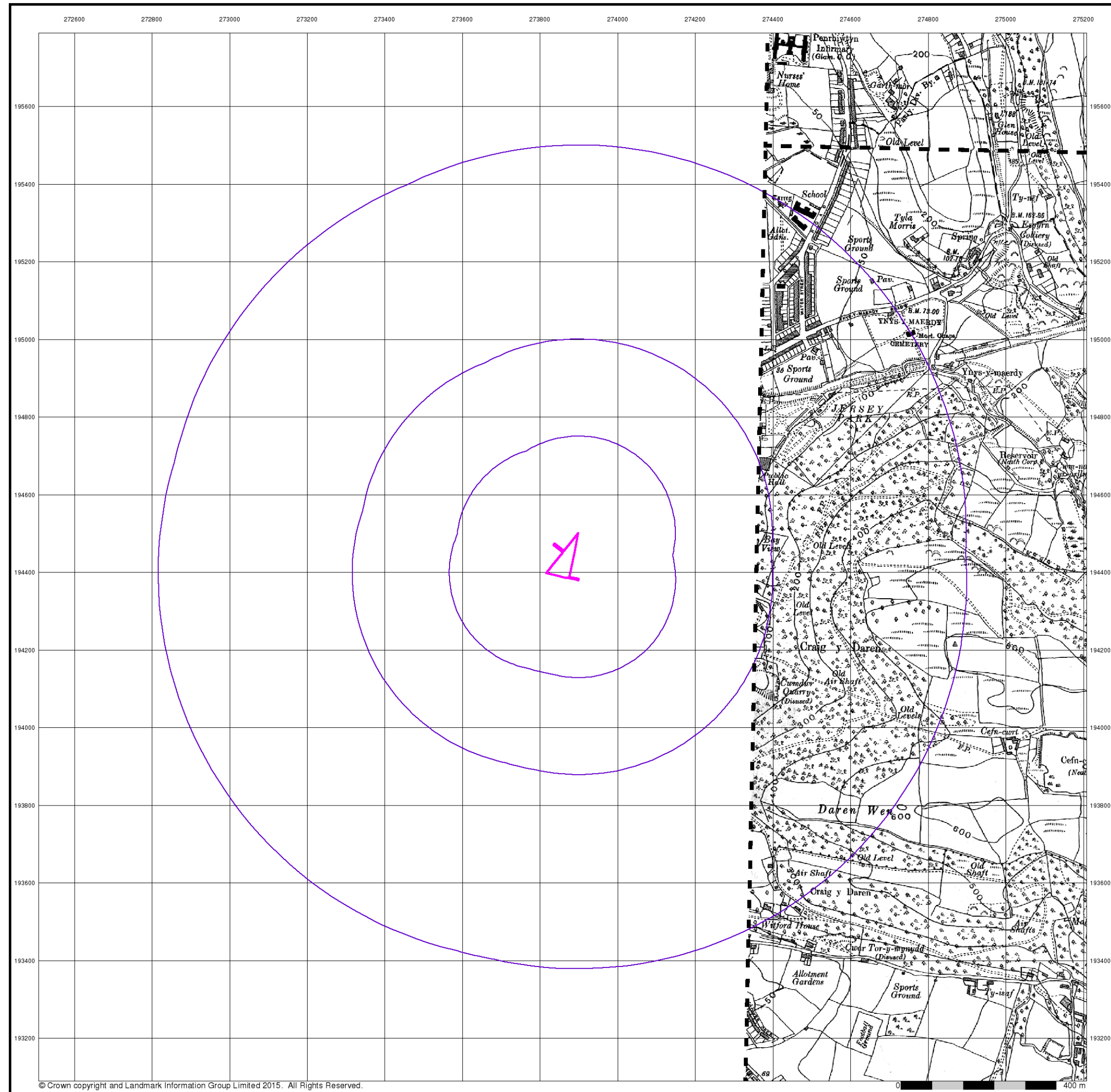
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Glamorganshire

Published 1936

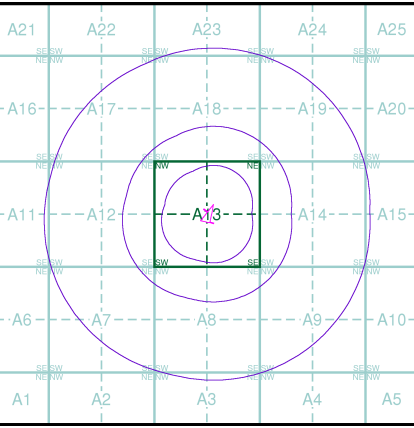
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

016SW	1936	1:10,560
025NW	1936	1:10,560

Historical Map - Slice A



Order Details

Order Number:	117937968_1_1
Customer Ref:	P1266-01
National Grid Reference:	273870, 194440
Slice:	A
Site Area (Ha):	0.39
Search Buffer (m):	1000

Site Details

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Glamorganshire

Published 1938 - 1951

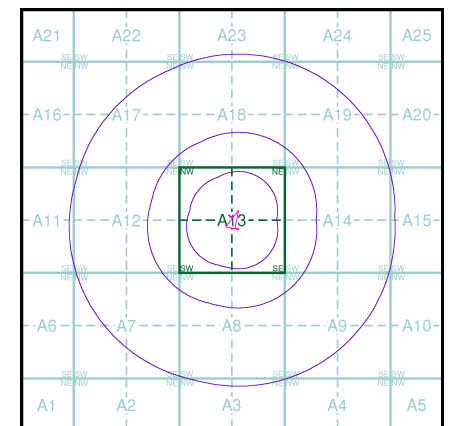
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

015SE 1940 1:10,560	016SW 1938 1:10,560
024NE 1938 1:10,560	025NW 1951 1:10,560

Historical Map - Slice A

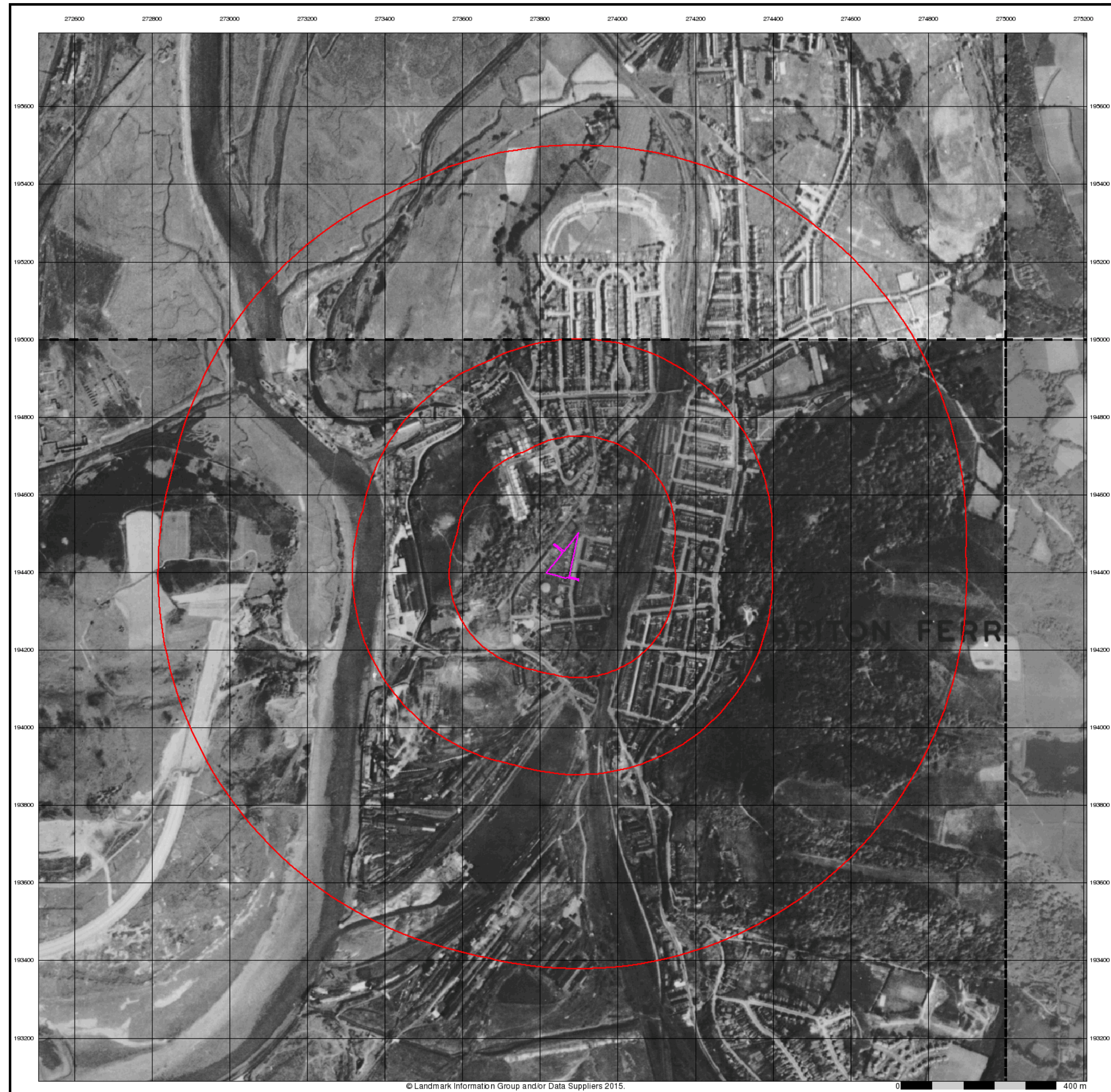


Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 1000

Site Details

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Historical Aerial Photography

Published 1945 - 1949

Source map scale - 1:10,560

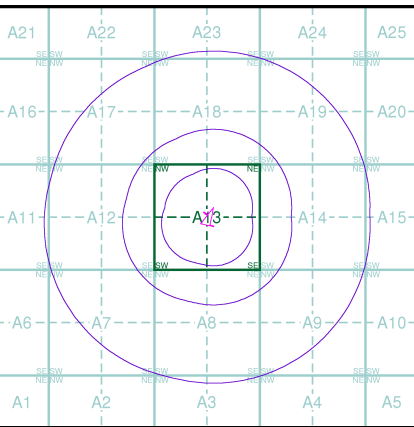
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

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Map Name(s) and Date(s)

SS79NW 1945 1:10,560	SS79NE 1949 1:10,560
SS79SW 1949 1:10,560	SS79SE 1949 1:10,560

Historical Aerial Photography - Slice A



Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 1000

Site Details

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0 400 m

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Glamorganshire

Published 1951 - 1952

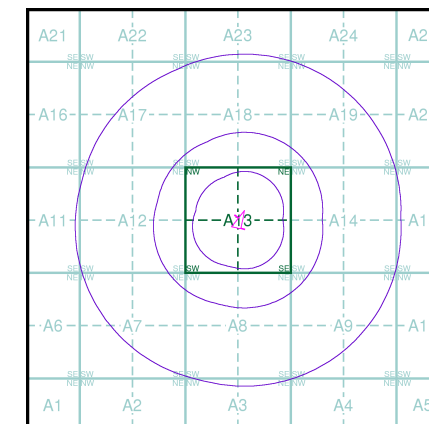
Source map scale - 1:10,560

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Map Name(s) and Date(s)

015SE 1952 1:10,560	016SW 1951 1:10,560
024NE 1951 1:10,560	

Historical Map - Slice A

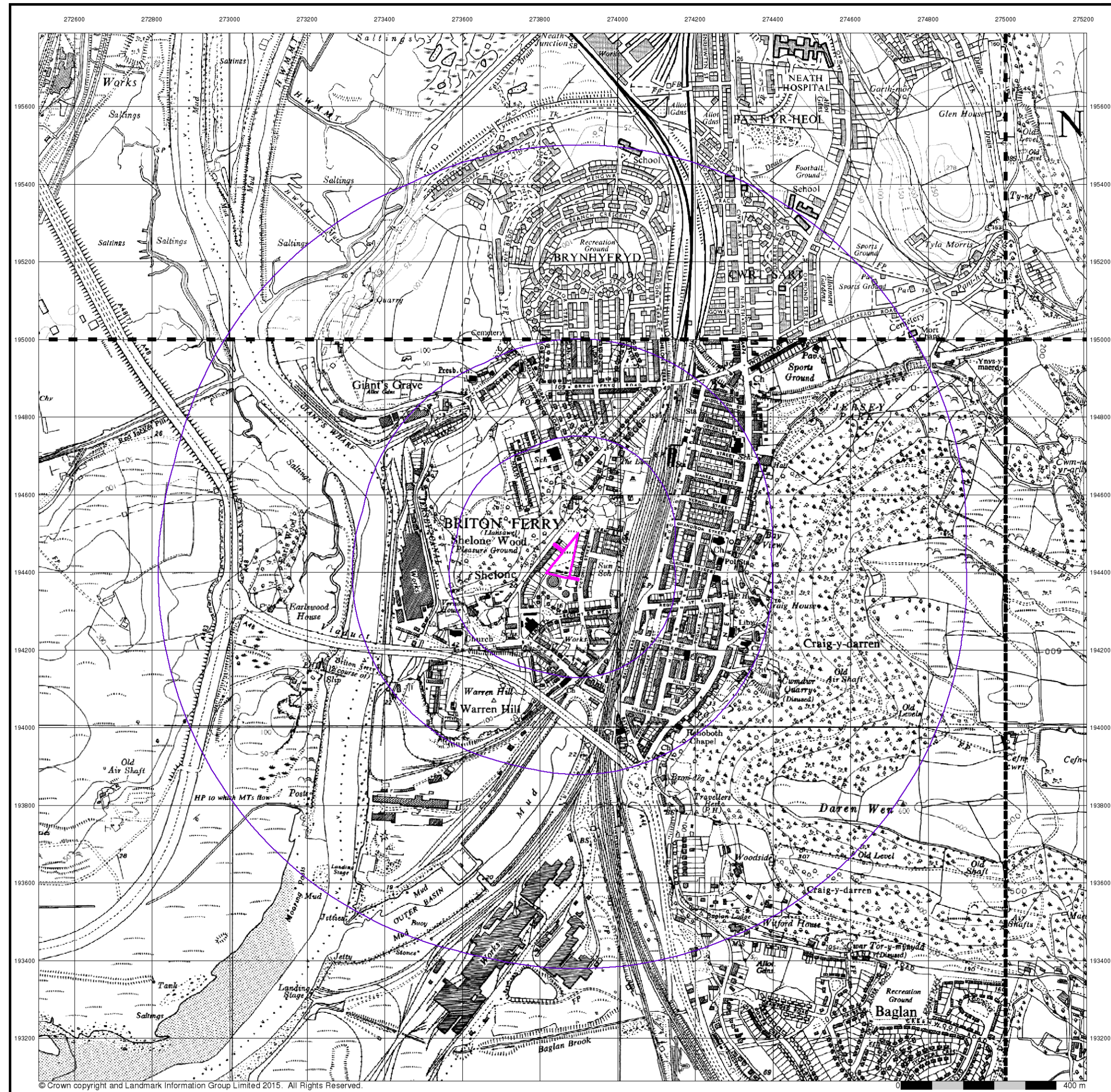


Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 1000

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH





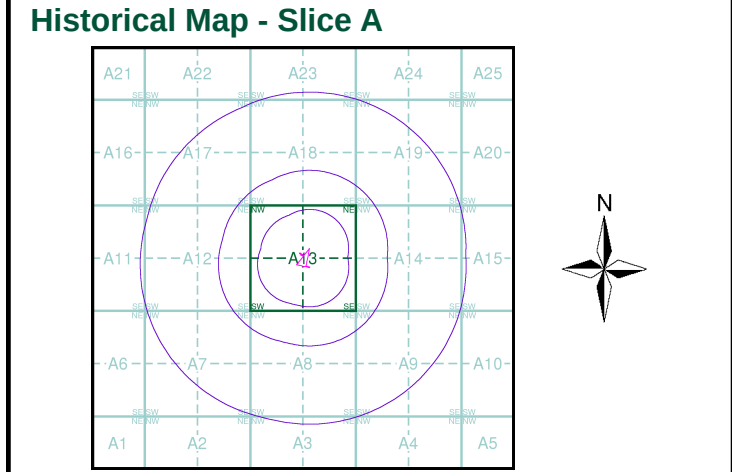
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Ordnance Survey Plan
Published 1964 - 1965
Source map scale - 1:10,000

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Map Name(s) and Date(s)

SS79NW	SS79NE
1965	1964
1:10,560	1:10,560
SS79SW	SS79SE
1964	1964
1:10,560	1:10,560



Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 1000

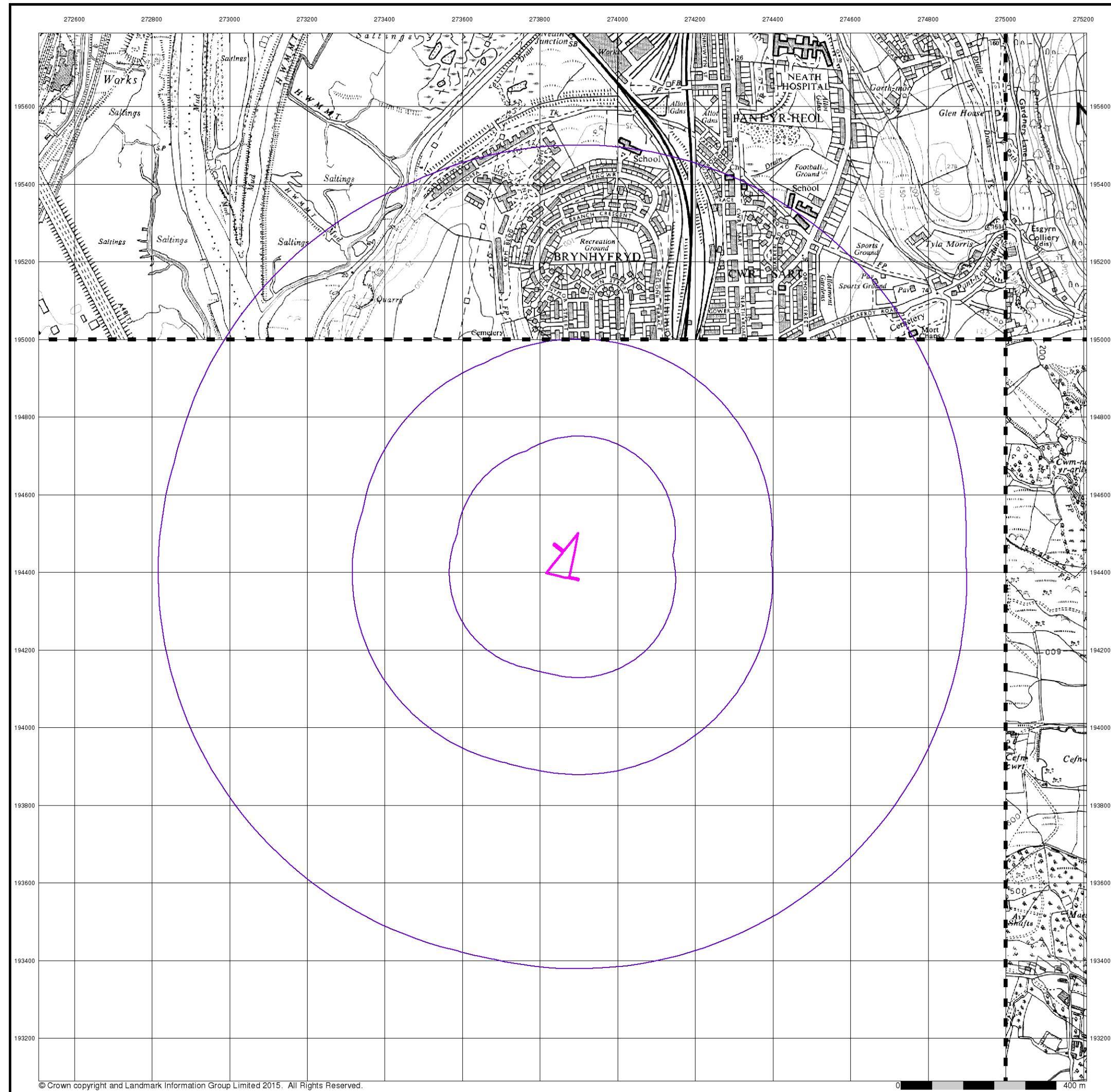
Site Details

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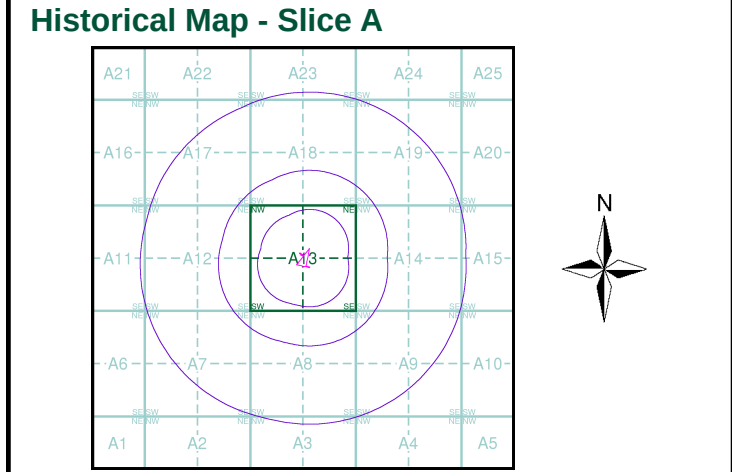


Ordnance Survey Plan
Published 1970 - 1974
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SS79NW	SS79NE
1970	1973
1:10,560	1:10,000
	SS79SE
	1974
	1:10,560

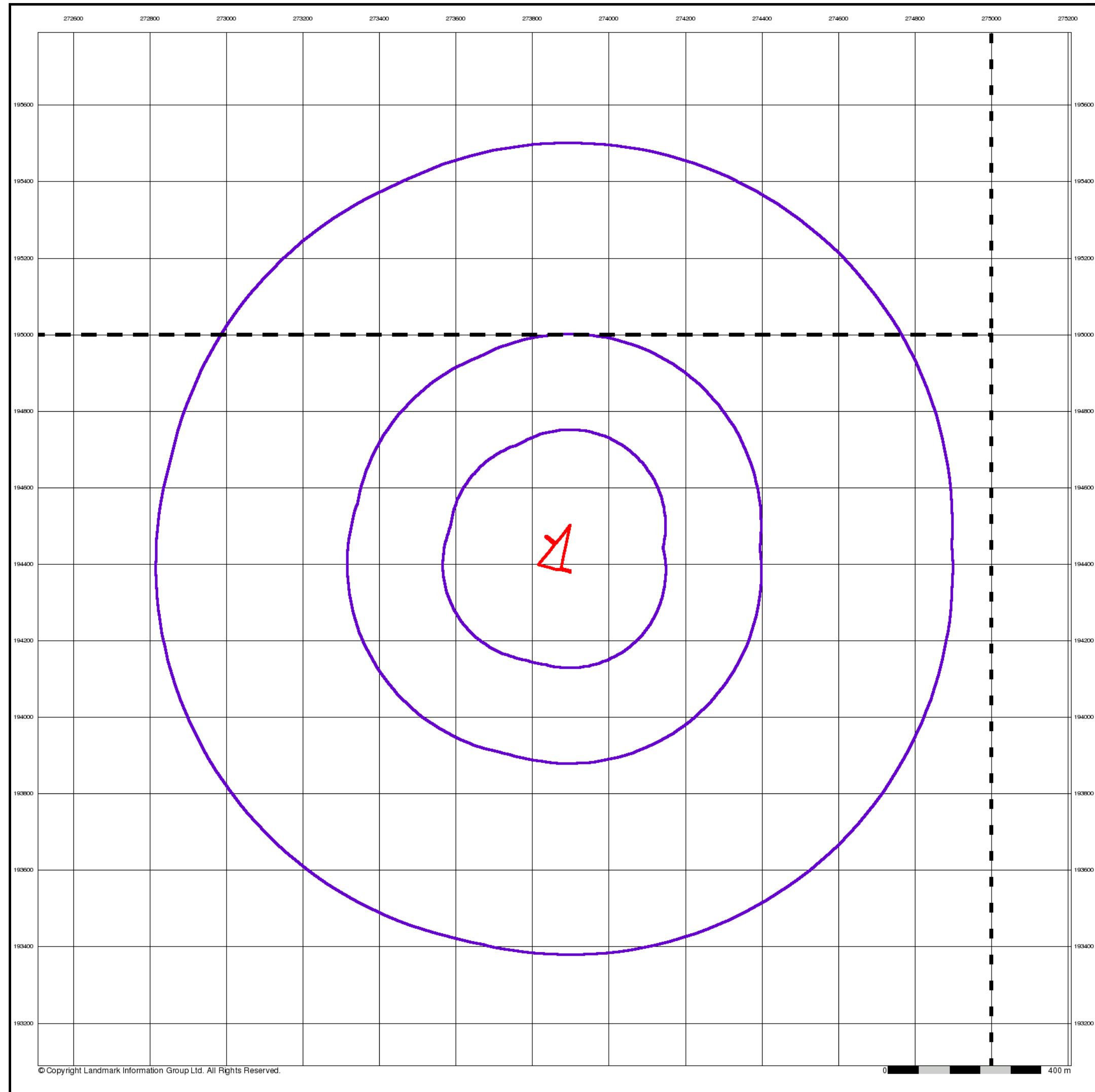


Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 1000

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH





Ground Investigation
www.ground-investigation.com
677 Gower Road, Swansea, SA2 7HQ. ☎ 01792 411013

Swansea

Published 1976

Source map scale - 1:10,000

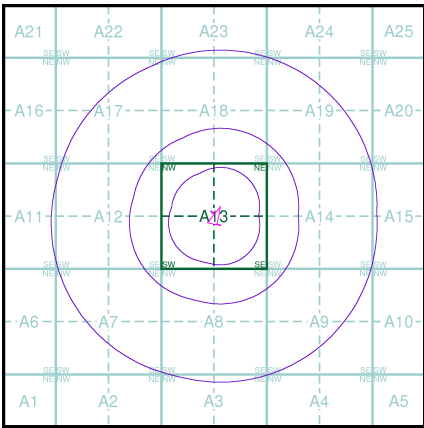
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use. They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)

SS79NW
1976
1:10,000

SS79SW
1976
1:10,000

Russian Map - Slice A



Order Details

Order Number:	117937968_1_1
Customer Ref:	P1266-01
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Slice:	A
Site Area (Ha):	0.39
Search Buffer (m):	1000

Site Details

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Ordnance Survey Plan

Published 1980 - 1983

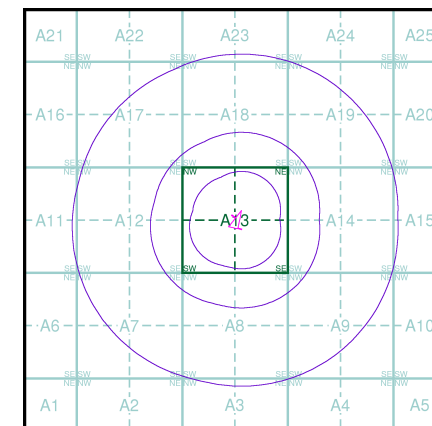
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SS79NW	SS79NE
1980	1983
1:10,000	1:10,000
SS79SW	SS79SE
1980	1980
1:10,000	1:10,000

Historical Map - Slice A



Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 1000

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH

Ordnance Survey Plan

Published 1992 - 1996

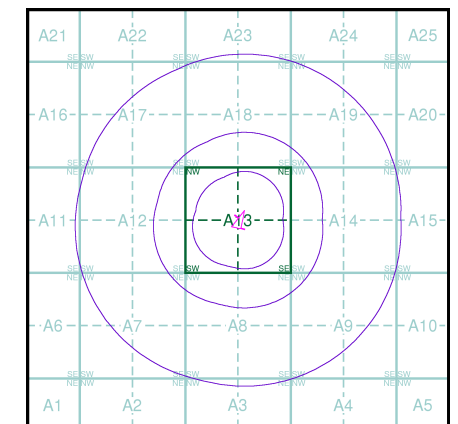
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SS79NW	SS79NE
1992	1992
1:10,000	1:10,000
	SS79SE
	1996
	1:10,000

Historical Map - Slice A

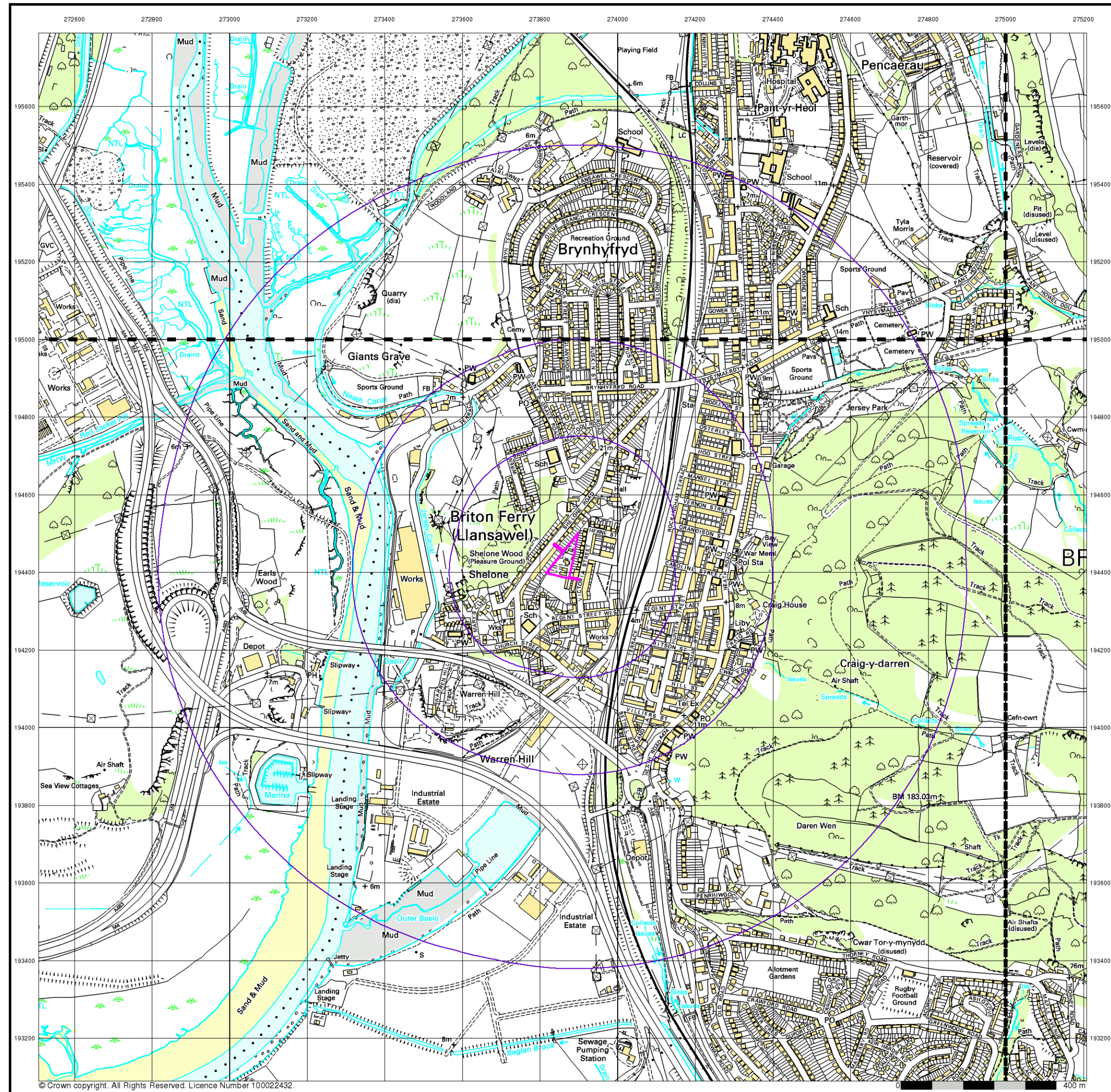


Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 1000

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH





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10k Raster Mapping

Published 1999

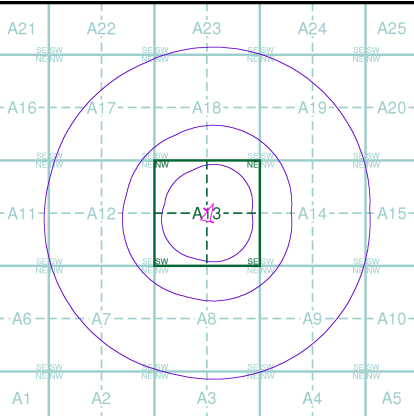
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SS79NW	SS79NE
1999	1999
1:10,000	1:10,000
SS79SW	SS79SE
1999	1999
1:10,000	1:10,000

Historical Map - Slice A



Order Details

Order Number:	117937968_1_1
Customer Ref:	P1266-01
National Grid Reference:	273870, 194440
Slice:	A
Site Area (Ha):	0.39
Search Buffer (m):	1000

Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH

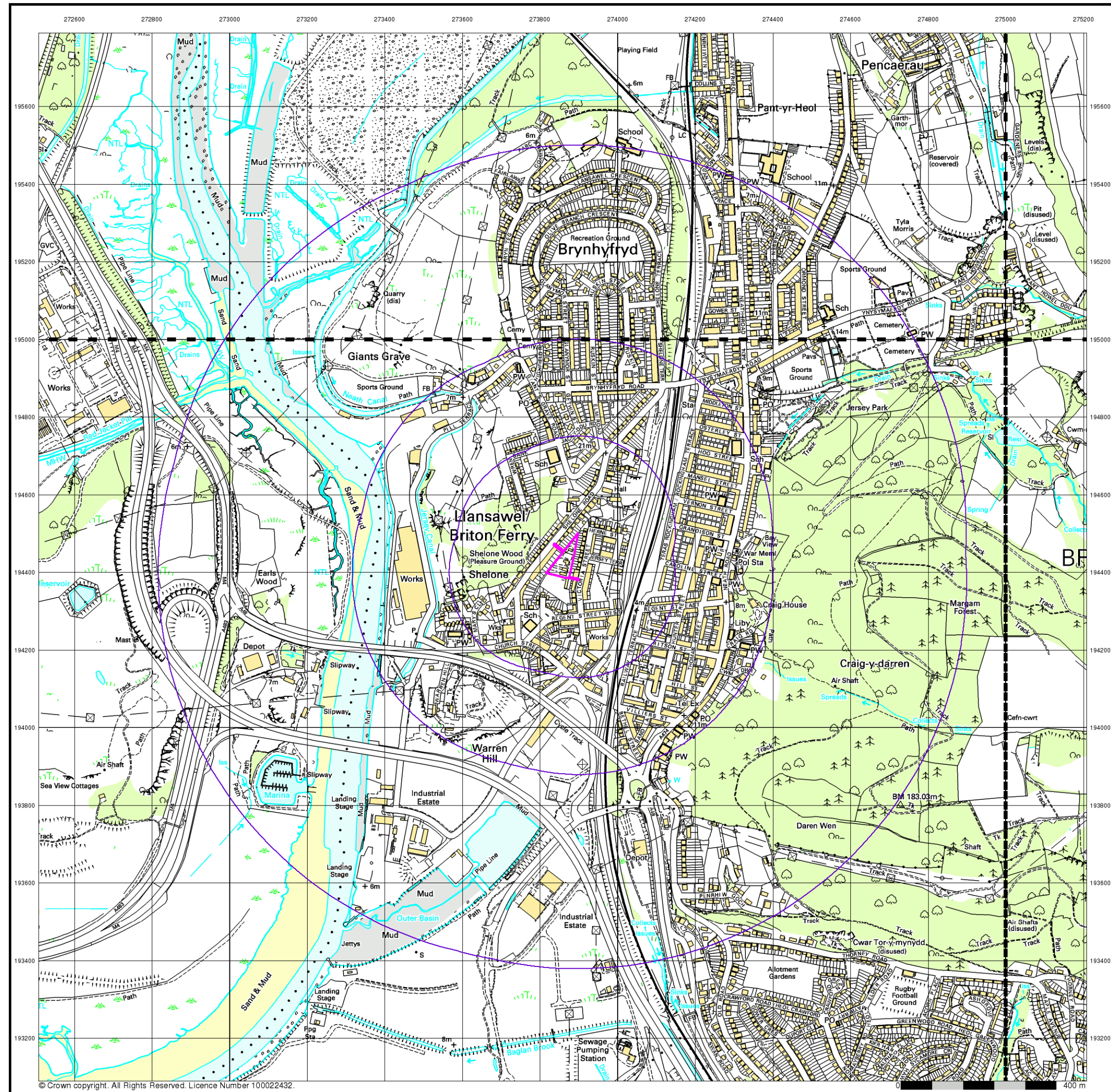


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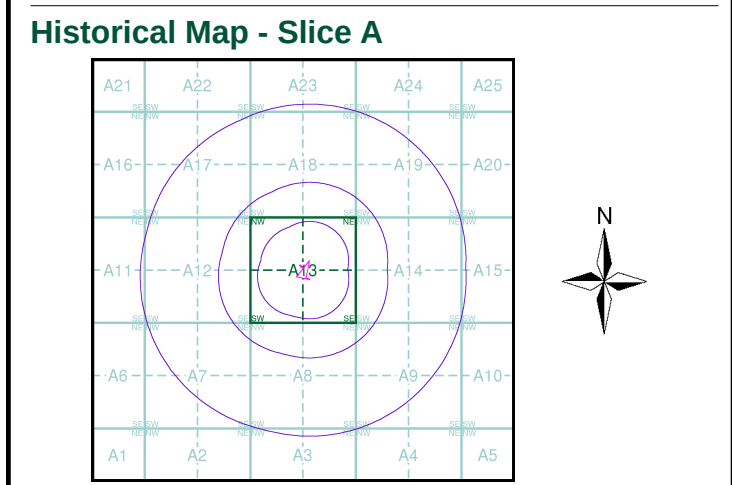
Ground Investigation
www.ground-investigation.com
677 Gower Road, Swansea, SA2 7HQ. ☎ 01792 411013

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)

SS79NW	SS79NE
2006	2006
1:10,000	1:10,000
SS79SW	SS79SE
2006	2006
1:10,000	1:10,000



Order Details

Order Number: 117937968_1_1
Customer Ref: P1266-01
National Grid Reference: 273870, 194440
Slice: A
Site Area (Ha): 0.39
Search Buffer (m): 1000

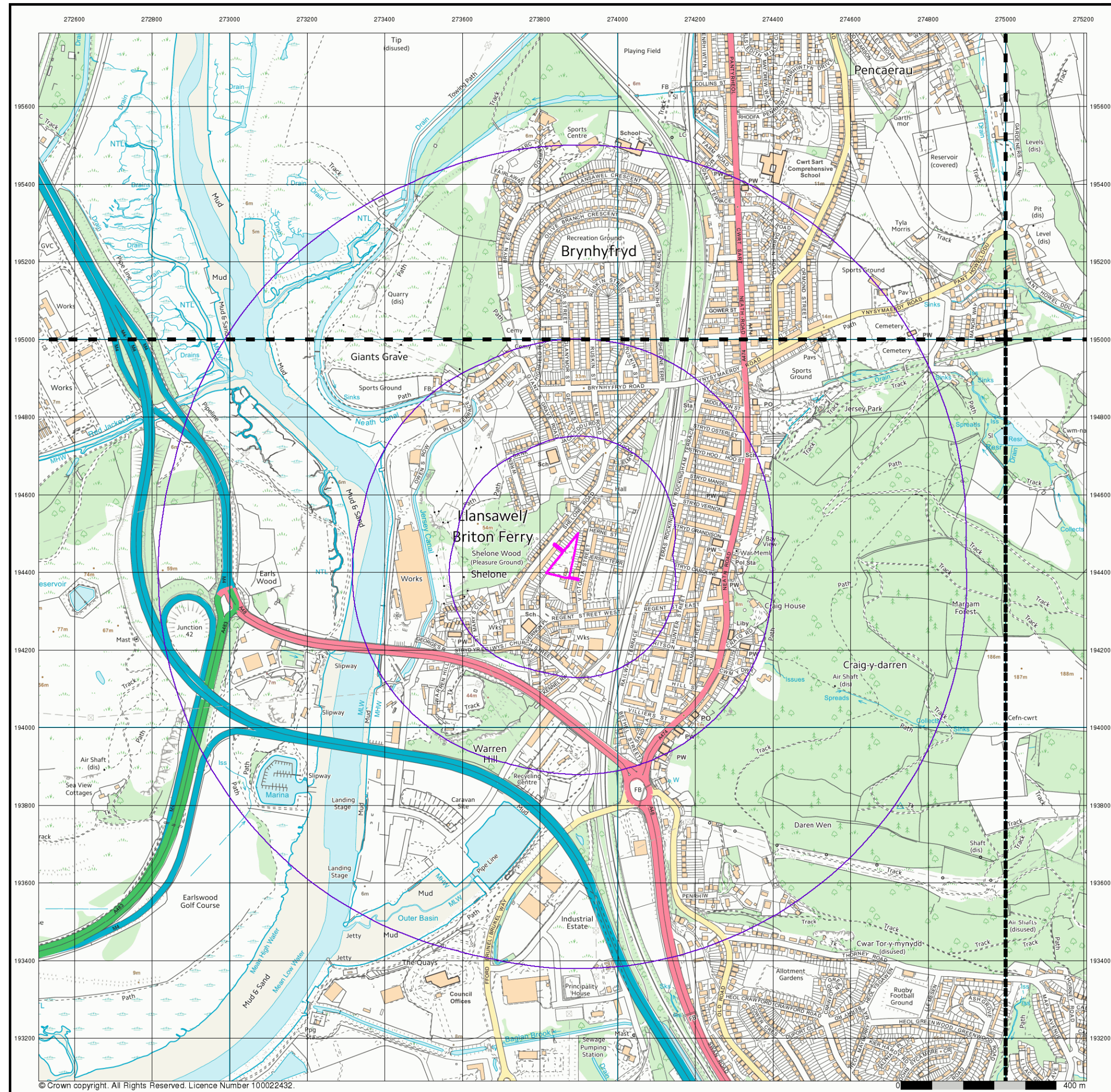
Site Details

Land between Victoria Street and Shelone Road, Briton Ferry, NEATH



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VectorMap Local

Published 2017

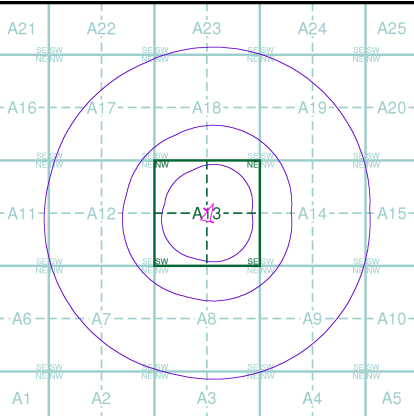
Source map scale - 1:10,000

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)

SS79NW 2017 Variable	SS79NE 2017 Variable
SS79SW 2017 Variable	SS79SE 2017 Variable

Historical Map - Slice A



Order Details

Order Number:	117937968_1_1
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