Navigator Quarter,
Land adjacent to Southampton Airport

Flood Risk Assessment and Drainage Strategy

for

blocwork (Eastleigh) LLP &
Southampton International Airport Limited (SIAL)

Ref: 30228-BGL-XX-XX-RP-D-00001

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DOCUMENT CONTROL SHEET

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Client: blocwork (Eastleigh) LLP and Southampton International Airport Limited (SIAL)

Project: Navigator Quarter, Land adjacent to Southampton Airport

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1	24.02.2025	Preliminary Issue
2	17.04.2025	Updated to suit MSA comments
3	22.05.2025	Updated to suit masterplan
4	18.08.2025	Surface Water flows updated
5	26.08.2025	Compliance with HCC planning check list added in Section 8

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1.0 EXECUTIVE SUMMARY

1.1 This report has been prepared to support the planning application for the following proposal.

1.2 The proposal is for development of the site to provide employment floorspace of up to 92,000 sqm (GIA) within use Classes E (g) (ii & iii), B2 and B8.

1.3 Reference should be made to the GEO2 Preliminary Risk Assessment for further detail on the site and ground conditions. Report ref: Geo2_4362.A.2_Navigator-Quarter_GEA_25-04-08.

1.4 The flood risk assessment identifies that the site is located in flood zone 1 (low risk) in respect to fluvial flood risk and from all other sources.

1.5 The surface water drainage hierarchy has been considered and the preferred drainage solution for disposal of surface water is to discharge via a connection to the River Itchen.

1.6 The use of Sustainable Drainage Systems (SuDS) has been considered. Pollution prevention and site control methods will be utilised prior to outfall.

1.7 The SuDS and other drainage elements will be regularly maintained by an appointed management company on behalf of the client/occupier.

1.8 Foul flows will outfall at a maximum rate of 6.96 l/s to the public foul sewer located to the north of site. This shall be agreed in principle with Southern Water.

2.0 PROJECT BACKGROUND

Appointment

2.1 Burrows Graham Limited have been commissioned by blocwork (Eastleigh) LLP and Southampton International Airport Limited (SIAL) (referred to the as 'the applicant' hereafter) to undertake a flood risk assessment and drainage strategy of suitable scope to support a planning application for a proposed commercial development at the Navigator Quarter, on land adjacent to Southampton Airport.

Aim of study

2.2 This FRA and Drainage Strategy has been developed in due cognisance of all relevant available policy.

information. It is anticipated that this report will satisfy the requirements of the National Planning Policy Framework (NPPF) and all relevant flood risk planning policies.

Relevant policy and strategy documents

2.3 The following documents were reviewed as part of this Flood Risk Assessment:

- Defra Sustainable Drainage Systems Non-Statutory Technical Standards for Sustainable Drainage Systems (March 2015)
- Environment Agency Climate Change Guidance (February 2016)
- Flood and Water Management Act (April 2010)
- National Planning Policy Framework (Updated December 2025) and Planning Practice Guidance (March 2014)
- Sustainable Drainage Systems Written Statement HCWS161 (December 2014)
- South Hampshire Strategic Flood Risk Assessment Version 6 (February 2024)

Proposed development

2. 4 Hybrid Planning Application for the development of the site to provide employment floorspace of up to 92,000 sqm (GIA) within use Classes E (g) (ii & iii), B2 and B8 with ancillary offices and areas for service yards, car parking, landscape, ancillary buildings and associated activities, comprising a detailed application for the initial infrastructure works and new access road and outline application for the remaining development of employment floorspace, reserving all matters except the means of access.

2. 5 Reference should be made to the 'Site Layout' included in Appendix A, an extract of which is shown below.

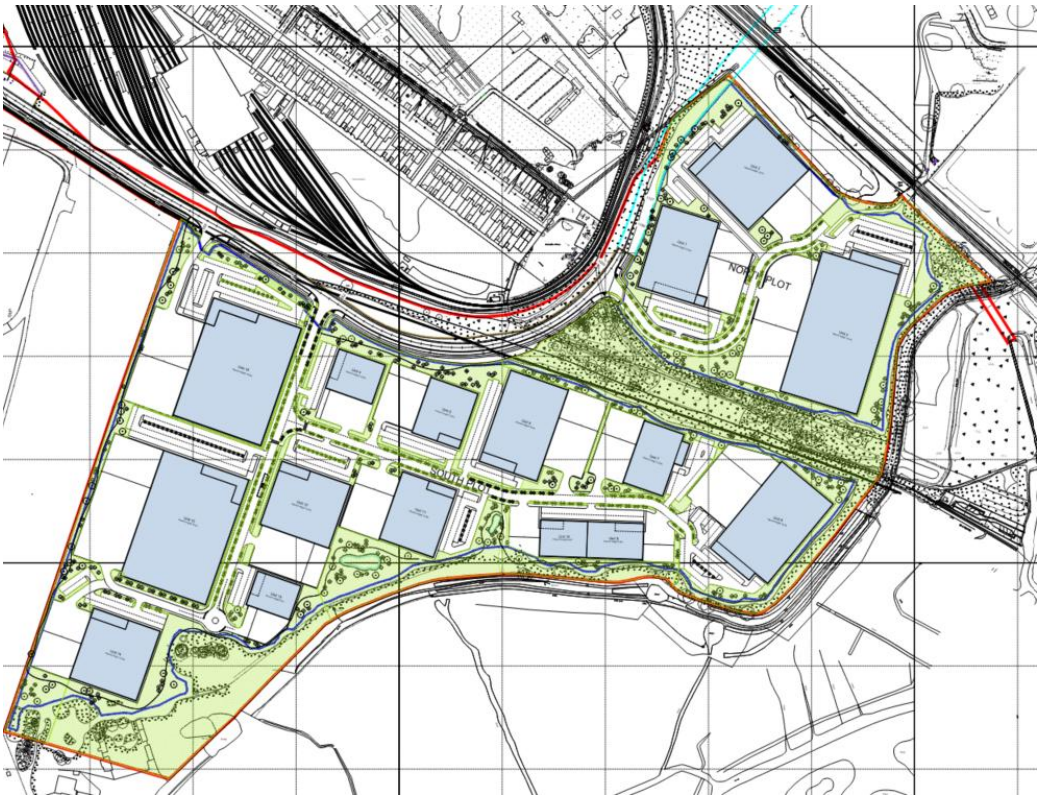

Figure 1 – Site Masterplan

3.0 SITE DETAILS

3.1 The proposed development site is located to the north of Southampton Airport and totals approx. 31Ha in area. The west of the site is bound by the railway, the north by the rail depot and the east by the River Itchen. The site is served by the existing Mithcell Way which will be extended to suit the development proposals.

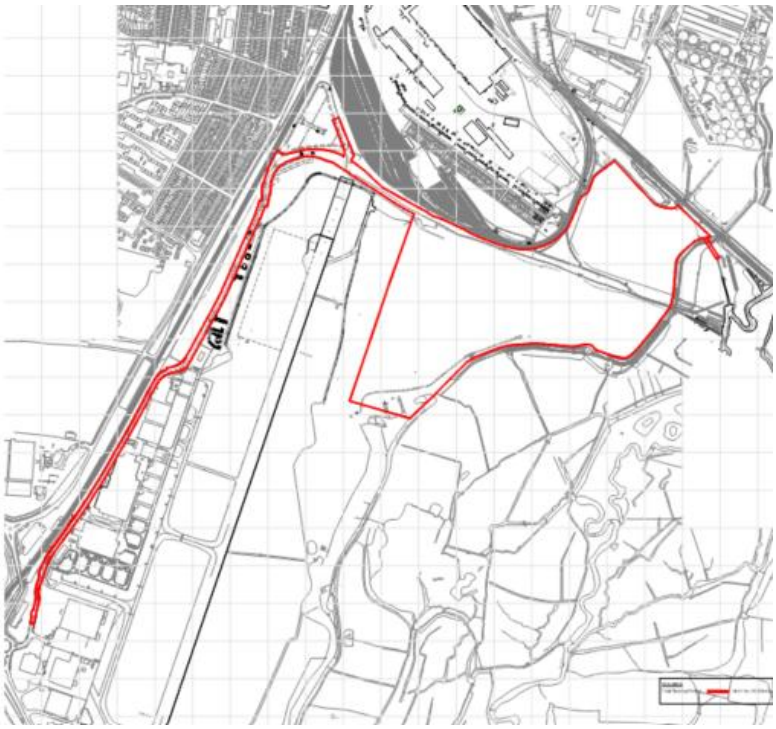

Figure 2 – Site Location Plan

Site description

Site address	Land adjacent to Southampton Airport
Grid reference	E: 446092.297 N: 117661.778
Area (hectares)	The site boundary has been measured to be 31 hectares.
Usage	Made up of greenfield land, divided in places by strips of vegetation. The only structure on the site is a radar tower next to the site's eastern boundary, which is no longer needed for airport operations and is to be removed.
Surroundings	South – Southampton Airport is located immediately to the south and west of the site North – There is a train depot, located at the converging of trainlines from Southampton and Portsmouth. Sandwiched between train depot land there is also a residential area on Campbell Road and Barton Park Industrial Estate is located beyond the depot to the north.
Topography	Site levels generally fall from Northwest to Southeast. Levels are highest in the Northwestern area of the site and at approximately 12.8m AOD. The lowest lying area of the site is the South at a level of approximately 9.5mAOD. A copy of the topographical survey has been included in Appendix B of this report.

Table 1 - Site characteristics

Existing drainage

3.2 There is no evidence of existing surface water drainage running through the site. The Hoare Lee utilities drawing 'REP-2929537-5A-LEH-20241112-Utilities Report-00' shows an existing Foul Rising Main that runs from East to Northwest through the side.

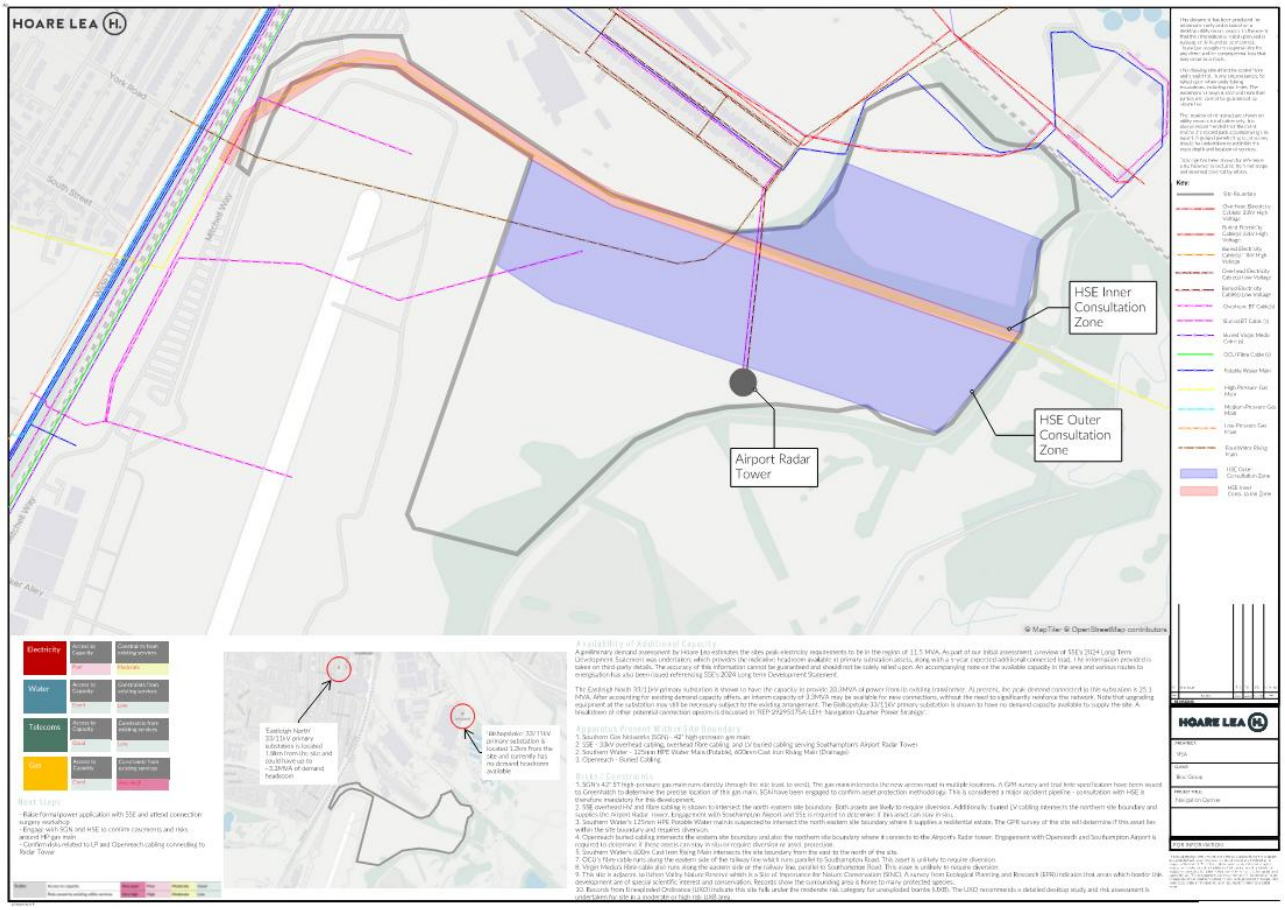

Figure 3 – Hoare Lee Utilities Report Drawing

Existing watercourses

3.3 The River Itchen is c.500m away & runs adjacent to the site. There are a number of feeder channels which run along the eastern boundary of the site and within the woodland areas within the site. These ultimately connect to the River Itchen.

Geology and hydrogeology

3.4 Reference should be made to the Phase 1 Preliminary Geo-Environmental Risk Assessment by Geo2, which has been included in Appendix C of this report, and the key findings of which have been summarised below.

3.5 The site is underlain by a limited thickness of Made Ground (in developed areas only), proven to a maximum depth of 1.50 m bgl, this is generally followed by natural cohesive silts of the River Terrace Deposits to c. 1.50 m bgl and then granular gravels to c. 5.00 m bgl.

3.6 Across the eastern area the River Terrace Deposits were identified directly below topsoil. Bedrock of the London Clay Formation was identified as silt/sandy silt across much of the western and central northern areas to completion of the boreholes at 10.00 m bgl. The Wittering Formation of sand and silt was identified below a limited thickness of River Terrace Deposits within two locations in the most eastern southern areas.

4.0 FLOOD RISK STATEMENT

Fluvial flood risk

4.1 The National Planning Policy Framework (NPPF) categorises flood risk as follows:

- Zone 1 (low probability) – Land assessed as having less than a 1 in 1,000 annual probability of river or sea flooding (<0.1%).
- Zone 2 (medium probability) – Land assessed as having between a 1 in 100 and 1 in 1,000 annual probability of river flooding (1% – 0.1%), or between a 1 in 200 and 1 in 1,000 annual probability of sea flooding (0.5% – 0.1%) in any year; and
- Zone 3a (high probability) - Land assessed as having a 1 in 100 or greater annual probability of river flooding (>1%), or a 1 in 200 or greater annual probability of flooding from the sea (>0.5%) in any year.
- Zone 3b The Functional Floodplain - This zone comprises land where water must flow or be stored in times of flood. Local planning authorities should identify in their Strategic Flood Risk Assessments areas of functional floodplain and its boundaries accordingly, in agreement with the EA. (Not separately distinguished from Zone 3a on the Flood Map).

4.2 The EA flood maps for planning show that the entirety of the site is in Flood Zone 1.

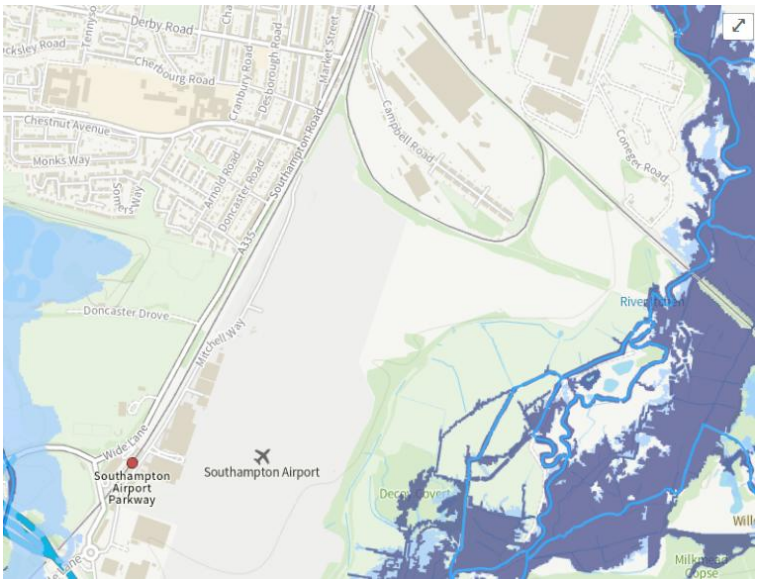

Figure 4 – EA Flood Map for Planning

4.3 Based on the above, the site is considered to be at low risk of flooding from rivers or sea.

Surface water flooding

4.4 The EA descriptions for the High, Medium and Low risk scenarios for surface water flooding are as follows:

- High risk means that each year this area has a chance of flooding of greater than 3.3%.
- Medium risk means that each year this area has a chance of flooding of between 1% and 3.3%.
- Low risk means that each year this area has a chance of flooding of between 0.1% and 1%.
- Very Low risk means that each year this area has a chance of flooding of less than 0.1%.

4.5 The EA Map of long-term flood risk from surface water indicates that the site is at a very low risk from surface water.

Figure 5 – EA Flood Map for Surface Water

Groundwater flood risk

4.6 Groundwater flooding occurs when the water table, the level of water below the ground, rises above the ground surface or into cellars and basements. Groundwater flooding is most likely to occur in low lying areas underlain by permeable rocks (aquifers). These may be extensive, regional aquifers, such as chalk or sandstone, or may be localised sands or river gravels in valley bottoms underlain by less permeable rocks.

4.7 Based on the ground conditions outlined in Sections 3.4 to 3.6, the risk of flooding from groundwater cannot be ruled out.

4.8 The Risk of Flooding from Groundwater maps, taken from the SFRA, show most of the site to be in an area with between 25-50% chance of groundwater emergence. The eastern and north eastern parts of the site have a greater than 75% chance of groundwater emergence.

4.9 It is therefore recommended that a condition be included for groundwater monitoring to be undertaken prior to the site being developed to verify this.

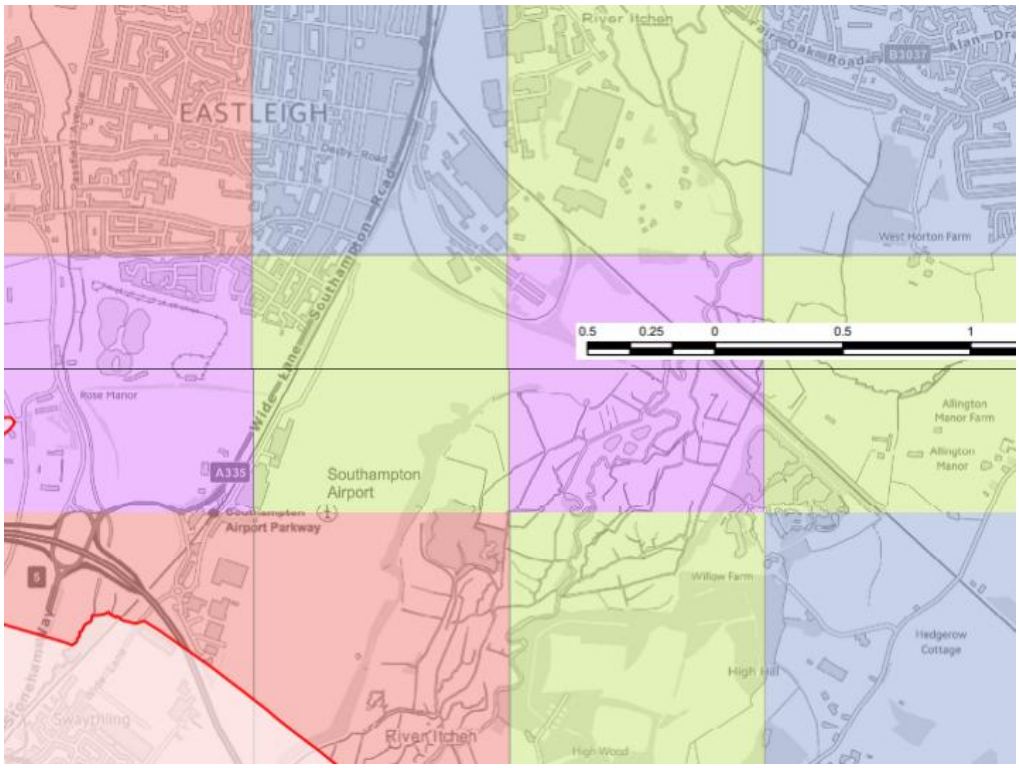

Figure 6 – Groundwater Flooding Susceptibility Map (SFRA)

Sewer flooding

4.10 There are no existing public sewers within the vicinity of the site. Therefore, the site is at low of risk of flooding from sewers.

Tidal flooding

4.11 The site is remote from tidal influences and is therefore not at risk of tidal or coastal flooding.

Reservoir flooding

4.12 Based on the EA Flood Risk from Reservoirs Map, the site is not at risk of flooding from reservoirs.

5.0 SURFACE WATER DRAINAGE STRATEGY

The main Access Road and initial infrastructure works has been modelled to suit the requirements set out by Hampshire County Councils checklist for a Detailed Planning Application. Refer to Section 8 for further information.

The Plot development has been modelled in a way to suit the requirements set out in Hampshire County Councils checklist for an Outline Planning Application. Refer to Section 8 for further information

Disposal of surface water

5.1 The method for removal of surface water from the site has been selected in accordance with the hierarchy outlined in Building Regulations Part H as summarised below:

- Infiltration to the ground
- Discharge to a watercourse
- Connection to a surface water sewer
- Connection to a combined sewer

5.2 As described in sections 3.4 to 3.6 of this report, the majority of the site is underlain by River Terrace deposits and the London Clay Formation. The superficial deposits are generally favourable to infiltration. However, given the area is susceptible to groundwater flooding, it is considered that soakaway drainage will not be a suitable means of disposing surface water runoff from the developed site.

5.3 Therefore, it is proposed to discharge surface water runoff to the existing feeder channel mentioned in section 3.3 (manhole with broken slab previously mentioned in section 3.3, where runoff will conveyed to the east to the River Itchen at greenfield runoff rates. This approach mimics the existing situation).

Sustainable Drainage Systems

5.4 Sustainable Drainage Systems (SuDS) will be utilised in line with The SuDS Manual (C753) guidance and aim to minimise the impact a development has on the runoff quantity and quality and maximise amenity and biodiversity opportunities.

5.5 The management train approach is a fundamental principle of SuDS, it aims to primarily reduce pollution, flow rates and volume of runoff from the site. The main objective is to treat the runoff as close to the source as possible and it is imperative that **at least two** of the following should be included within the drainage strategy.

- **Prevention** – The use of good site design and rainwater re-use measures to prevent runoff.
- **Source Control** – Controlling the runoff as close to source as possible by using; green roofs, porous pavements and soakaways.
- **Site Control** – Use of water management techniques within local area, i.e. detention basins and geo-cellular storage.
- **Regional Control** – Management of water from a number of sites in a specific location, i.e. balancing ponds and wetlands.

5.6 The drainage strategy for this development will incorporate prevention where possible through good site design and site control in the form of **flow control** and associated **attenuation ponds and swales**.

General strategy

5.6 For details of the outline drainage proposals for the site, reference should be made to drawing (ref: 30228-BGL-XX-XX-DR-S-00250), which has been included in Appendix D of this report.

Total site area and impermeable areas

5.7 The total drained impermeable area of the proposed development has been measured to be approximately 21.91 hectares.

10% for impermeable areas of the proposed development has been included in the total site area & calculations to ensure that our design complies with HCC's Urban Creep policy.

Climate Change

5.8 In line with the latest guidance, a 25% allowance has been made based on a 2070s Epoch in the central allowance for this area.

Discharge rates

5.9 The site is a greenfield development. The hydrological characteristics for the site have been taken from uksuds.com and summarised in Table 2

Table 2 – Hydrological characteristics for the site

SAAR (mm)	798
Hydrological region	7
Soil type	2
SPR	0.3

5.10 Using the IH124 method (Institute of Hydrology, 1994) and the above hydrological characteristics, the greenfield runoff rates have been set out in Table 3.

Table 3 – Greenfield runoff rates (per hectare)

QBAR	2.12 l/s
Q(1)	1.80 l/s
Q(30)	4.89 l/s
Q(100)	6.78 l/s

5.11 The maximum runoff rate from the developed site will not exceed the equivalent QBAR rate for all storms up to and including the 1 in 100 year storm plus 25% allowance for climate for the contributing impermeable area.

Attenuation storage

5.12 In order to achieve the restriction in peak rate of surface water runoff from the developed site as described above, on site surface water attenuation storage will be required in order to temporarily store the residual volume of surface water for rainfall events resulting in a peak runoff rate over and above QBAR.

5.13 Attenuation will be provided in the form of detention ponds and swales.

5.13 The attenuation storage will be designed to ensure that there is no surface water flooding on site for rainfall events up to and including the 1 in 30 year storm event. The attenuation storage will be designed to ensure that surface water runoff for storm events up to and including the 100 year storm plus a 25% allowance will not cause a risk of flooding to properties or increase the flood risk outside of the site.

5.15 A hydraulic modelling exercise of the proposed drainage system has been undertaken and the results have been included in Appendix E of this report.

Water quality

5.14 Water quality has been considered, and the following measures have been included within the surface water drainage proposals:

- All drainage from car park areas, which are considered low risk, will pass through either a Class 1 by-pass separator or a swale prior to discharging to the attenuation ponds, which will provide a second stage of treatment for all runoff from these areas.
- All drainage from service yards, which are considered high risk, will pass through a Class 1 full retention separator prior to discharging to the main attenuation pond, which will provide a second stage of treatment for all runoff from these areas.
- All drainage from the site road and other hard surfaces will pass through the main attenuation pond, which will provide treatment for runoff from these areas.
- Silt will be prevented from entering the system by the use of channels with silt traps and catch pits where required.

Maintenance

5.17 Reference should be made to the Drainage Inspection and Maintenance Schedule in Appendix F, which includes required actions and typical frequencies for all drainage infrastructure serving the development. The drainage will be managed and maintained by an appointed Management Company.

6.0 FOUL WATER DRAINAGE STRATEGY

6.1 The Southern Water sewer records have been received (Appendix G). The nearest adopted foul manhole is located to the north of the site ref. 3001 shown below. It is currently proposed to discharge the foul flows generated from the development will discharge to this sewer subject to confirmation from Southern Water. This will require a S104 or S98 to lay a sewer in third party land to the north of the railway.

Figure 7 – Southern Water Sewer Records

6.2 Any new connections (including the re-use of existing connections) to the public sewerage system will require a Section 106 agreement.

6.3 Based on an anticipated gross internal floor space of 92,000 square metres, it is anticipated that the average foul flow from the development will be 1.74 l/s and the peak flow will be 6.96 l/s. This has been calculated using the following formula:

6DWF = 6PG + I + 3E

Where:
6DWF = foul drainage design flow (l/d)
P = population= 165 litres per person per day
G = water consumption = 90 l/person/day
I = dry weather infiltration = 10%
E = trade effluent = No allowance for trade Effluent

7.0 MITIGATION / MANAGEMENT OF FLOOD RISK

Access and egress

7.1 It is anticipated that access will be taken from the northwest corner of the site, off Mitchell Way. This is in accordance with Policies E7 and E9 of the Local Plan, which require that developers of land adjacent to Southampton Airport make contributions towards the opening of the new Chickenhall Lane Link Road.

7.2 The site access and main estate road within Parcel 1 is proposed to be detailed in the application, with access zones to the development parcels identified for further clarification at Reserved Matters stage.

Drainage & exceedance flow routes

7.3 The proposed surface water drainage system will be designed in accordance with the drainage strategy set out in Section 5.1 to 5.15 of this report. This will ensure that there is no increase in flood risk to the site or elsewhere in the local catchment for all storm events up to and including the 100 year storm plus 25% climate change.

7.4 It should be noted that if storm events in excess of the 100 year storm plus 25% climate change or blockages occur, this will result in flood water arising from the site drainage system. If the site drainage system were to flood, it is considered that any surface water arising from the site drainage system would be contained within the area of dock levellers which are below ground.

8.0 COMPLIANCE WITH HAMPSHIRE COUNTY COUNCIL PLANNING REQUIREMENTS

OUTLINE DRAINAGE STRATEGY	
Description:	**Format:**
Confirmation of a discharge location This must be in accordance with the drainage hierarchy of infiltration, discharge to watercourse, discharge to surface water sewer. (1), (2)	**Drawing(s)**
Surface Water Calculations This must include post development runoff rates for the 1:1, 1:30 and 1:100 + climate change together with the proposed storage requirements and attenuation features.	**Calculations**
Flood Risk Assessment and / or Drainage Strategy Evidence must be provided demonstrating compliance with the relevant standards i.e. restrictions on discharge rates, demonstration of no increased risk on or off site. This is covered under the standard Flood Risk Assessment guidance produced by the Environment Agency.	**Report / Statement**
Potential Flood Risk This must include an assessment of existing flood risk and the impact of the development on flow routes, flood plain, surface water flood risk areas (high / medium). If there are areas of flood risk within the site, evidence will be required to demonstrate how they have been managed. (3)	**Drawing(s), Report / Statement**
Drainage Layout Plan	**Drawing(s)**

The outline element of the proposed development is the north and south plot areas. The information relating to the checklist above is outlined below.

Confirmation of a discharge location – Drainage from plot development areas is shown discharging to the road drainage at greenfield runoff, prior to being conveyed to the existing watercourse as shown on drawing 30228-BGL-XX-XX-SK-C-00012 P04 Indicative Drainage Layout in Appendix D.

Surface Water Calculations – Impermeable areas have been accounted for within the road drainage design to ensure that drainage downstream of the plot development is compliant. Future attenuation will be required in the plot development zones to accommodate the volumes shown within the calculations. The detail of this is considered detailed design.

Flood Risk Assessment &/ or Drainage Strategy – Drainage strategy including in section 5.

Potential Flood Risk - Refer to Section 4.

Drainage Layout Plan – Refer to drawing '30228-BGL-XX-XX-SK-C-00012 P04 Indicative Drainage Layout' in Appendix D.

DETAILED DRAINAGE STRATEGY	
Description:	**Format:**
Detailed Drainage Assessment A technical summary detailing any changes and key criteria agreed under an outline application must be provided	**Report / Statement**
Detailed Drainage Layout Drawings These must be at an appropriate scale (minimum 1/500), indicating catchment areas, referenced drainage features, manhole cover and invert levels and pipe diameters, lengths and gradients. (1)	**Drawing(s)**
Detailed Hydraulic Calculations Full network calculations are required for all rainfall events including the 1 in 1, 1 in 30, 1 in 100 year (plus climate change allowance) annual probability of occurrence. (2)	**Calculations**
Water Treatment Evidence that sufficient water treatment has been provided in accordance with the methodology in the Ciria SuDS Manual. (3)	**Report / Statement**
Exceedance Flows This should highlight the overland flow routes post development if the drainage system blocked to ensure that properties and key access / egress points are kept clear. If flooding is shown at the 1:100 + climate change storm, this should be highlighted on the plan with accurate extents and depths of any ponding shown.	**Drawing(s)**
Urban Creep Evidence that Urban Creep has been considered in the application and that a 10% increase in impermeable area has been used in calculations. (4)	**Report / Statement.**
Maintenance Maintenance schedules must be provided for each drainage feature type regardless of ownership. Confirmation of maintenance responsibilities / adoption will also be required. If features are to be adopted by third parties i.e. Highways Authority, Water Company etc, evidence will be required that they will accept the adoption. If adoption is still to be progressed, a fall back position needs to be identified in case the adoption of the drainage can not be agreed. (5)	**Report / Statement**

The detailed planning application element of the proposed development specifically refers to the Main Access Road. The information relating to the checklist above is outlined below.

Detailed Drainage Assessment – Drainage strategy including core principles outlined in section 5.

Detailed Drainage Layout Drawings – Refer to drawings '30228-BGL-XX-LNK-DR-C-00250 P02 Proposed Link Road Drainage Sheet 1' & '30228-BGL-XX-LNK-DR-C-00251 P03 Proposed Link Road Drainage Sheet 2'. To be read in conjunction with drawing ref. '30228-BGL-XX-XX-SK-C-00012 P04 Indicative Drainage Layout'.

Detailed Hydraulic Calculations – Detailed hydraulic calculations have been carried out with the inclusion of additional flows to suit the future proposed development zones as outlined above.

Water Treatment – Water treatment has been included as shown on the drawings, in line with the principles set out in Section 5.14.

Exceedance Flows – Refer to drawing ref '30228-BGL-XX-XX-SK-C-00015 P01 Flood Exceedance Plan'

Urban Creep – In line with best practice, a 10% increase in impermeable area has been factored into the surface water runoff calculations for, whilst keeping the discharge rate the same. This ensures that the drainage design remains effective should changes to the site be required.

Maintenance – A drainage & maintenance schedule has been provided in the FRA. Refer to Appendix F.

9.0 SUMMARY

9.1 This Flood Risk Assessment and Drainage Strategy has concluded that the development is appropriate and can be occupied safely subject to implementation of the flood risk mitigation described in this report being carried out.

APPENDIX A – DEVELOPMENT MASTERPLAN

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N

LEGEND:

APPLICATION SITE BOUNDARY

PLOT BOUNDARIES

PROPOSED NEW ROAD LAYOUT TAKEN FROM BURROWS GRAHAM DRAWING NO:
30228-BGL-XX-XX-XR-C-00014 P06
DATED: 16.04.25

GROSS SITE BOUNDARY TAKEN FROM TITLE PLAN HP882317 & DRAWING EASTLEIGH - REDLINE
DATED: 27.04.22

1 ILLUSTRATIVE SITE PLAN
1:2000

REV	DATE	NOTES	DRAWN	CHECKED
PL04	28/05/25	Scale amended	sd	mt
PL03	19/05/25	Red line & road layout updated.	sd	mt
PL02	23/04/25	Road layout updated.	sd	mt
PL01	09/04/25	First Issue	sd	mt

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PROJECT TITLE
NAVIGATOR QUARTER, SOUTHAMPTON

MSA JOB No. **31794**

CLIENT
BLOCWORK (EASTLEIGH) LLP & SIAL

DOCUMENT TITLE
ILLUSTRATIVE SITE LAYOUT PLAN

SCALE
1:2000 @ A1

DATE 19/05/25
DRAWN SD
CHECKED MT

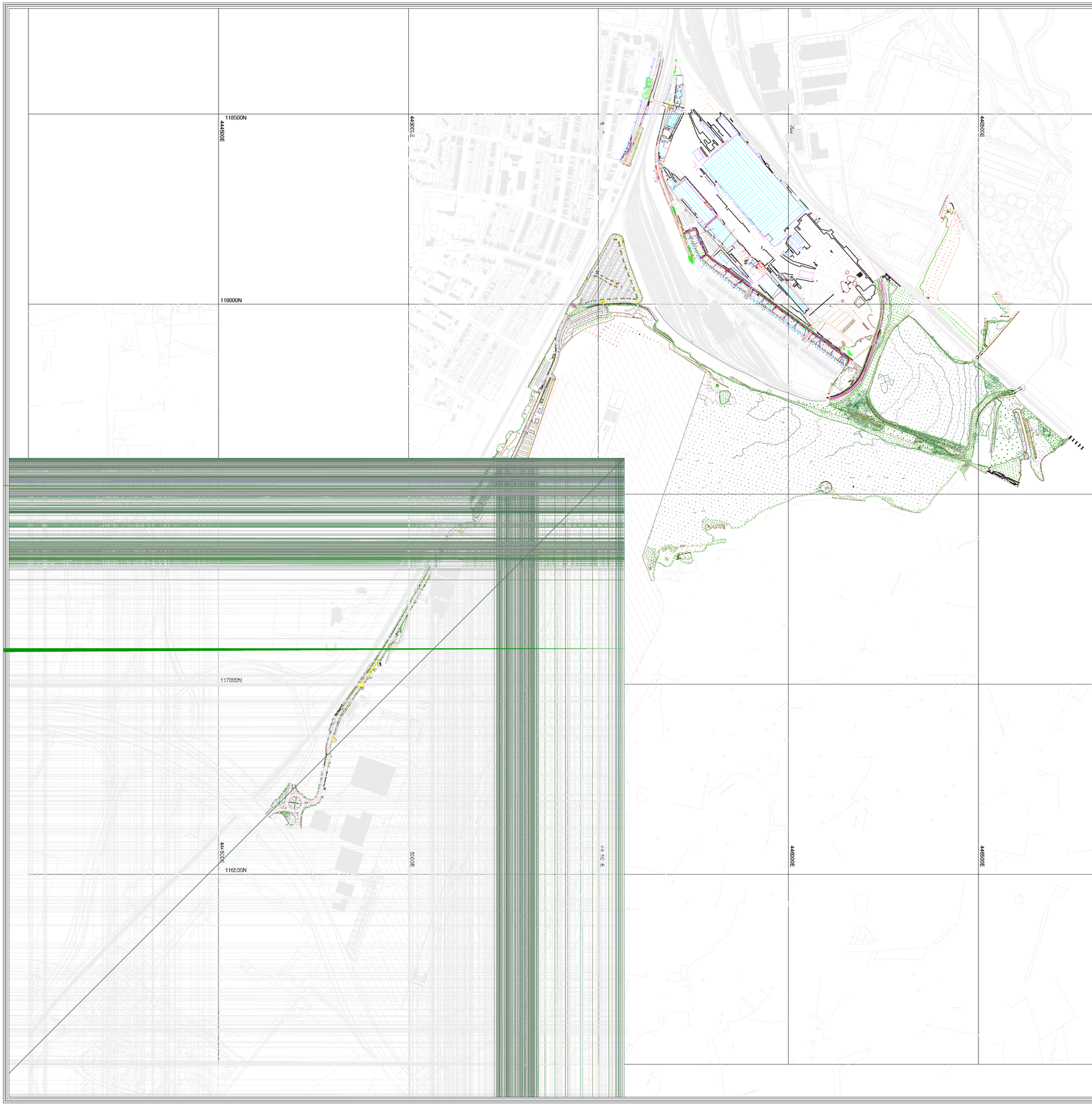
DOCUMENT NUMBER
NQS-MSA-SI-XX-DR-A-2002

STATUS
PLANNING

REV
PL04

0 20 40 60 80 100 200 m

APPENDIX B– TOPOGRAPHICAL SURVEY



N

Station Information:

Station	Easting (m)	Northing (m)	Level (m)
GH1	445782.729	117821.022	12.703
GH2	445601.139	117686.156	13.158
GH3	445719.920	117911.532	12.659
GH4	445766.143	118055.249	11.358
GH5	445616.573	117335.751	14.358
GH6	446460.859	117845.933	9.509
GH7	446394.194	117635.602	13.234
GH8	446335.013	117453.433	9.909
GH9	446044.863	117727.072	12.256
GH10	445520.700	118054.266	13.502
S1	445432.641	118002.028	13.995
S2	445395.121	117911.997	14.027
S3	445375.306	117814.754	13.575
S4	445303.674	117667.092	12.826
S5	445238.285	117523.236	12.435
S6	445182.835	117425.251	12.001
S7	445111.434	117402.959	11.941
S8	445054.258	117285.707	11.395
S9	444968.031	117133.922	11.252
S10	444882.856	117016.801	11.411
S11	444807.442	116905.890	11.040
S12	444744.783	116783.133	11.040
S13	444749.783	116683.633	11.223
S14	444670.304	116665.800	10.781
S15	444684.022	116720.800	11.809

OS Note:

Survey orientated to the client provided SE Surveying

Survey 021-06/18, Greenhatch Group accept no responsibility for the accuracy of the provided survey.

No scale factor has been applied to the survey therefore the coordinates shown are arbitrary & not true O.S. Coordinates which have a scale factor applied.

Please refer to Survey Station Table to enable establishment of the on-site grid and datum.

The Ordnance Survey tile is to be used as a guide only.

Some services may have been omitted due to parked vehicles.

Legend:

Buildings
Wall
Kerb line
Line marking
Hedge line
Drop kerb
Centre line
Top of bank
Bottom of bank
100.000
Fence types:
HW
MF
WM
PW
PW
CL
WIP
WM
SIP
Overhead Cable
Concrete edge
Tarmac edge
Grass verge
Carriageway/Tarmac
Verge
Bottom of bank
Station and Name
Station Level
Tree / Bush / Sapling
Area of Undergrowth
Woodland
Ridge Level
Eaves Level
Flat Roof Level
Gate
Interwoven
Iron Railings
Wire fence
Post & Rail
Post & Wire
Chain Link
Wooden Panels
Close Boarded
Steel Palisade

IC	Inspection chamber	Bo	Bo ard		
Pipe	Pipe invert	IB	Interlocked bollard		
Gy	Gully	Bm	Rubbish bin		
Rg	Rodd gy-y	Vp	Vent pipe		
Dp	Down pipe	GR	Ground rght		
Pipe	Pipe above ground	Lbox	Letter box		
MH	Manhole	Stmp	Tree Stump		
WL	Water level	Dly	Dite		
FI	Flood light	IFL	Internal floor level		
Lp	Lamp post	THL	Threshold level		
Tp	Telegraph post	Sp	Sign post		
Ep	Electricity post	TH	Trashole		
Tl	Traffic light	BH	Bollobole		
Bol	Box stop	ELC	Electric		
Sv	Stop valve	BT	British Telecom		
St	Stop tap	CTelv	Cambi box		
Er	Earth rod	TT	Tactile		
Wm	Water meter	BP	Brick paved		
Gat	Gas valve	CPG	Concrete paving slabs		
Av	Air valve	CVR	Cover		
ICU	Unidentified inspection	RWall	Retaining wall		
Ws	Wash out	TPL	Top of Wall Level		
Re	Rodding eye	TCL	Tree canopy level		
BB	Belisha beacon	G	Girth		
CTV	Cable tv	MG	Mesh grids		
MM	Marker post	IC	Inspection chamber		
GMM	Gas marker post	CL	Cover level		
Sk	Soffit	IL	Invert level		
Fh	Fire hydrant	UTR	Unable to raise		
VCL	Vegetation canopy level				

Rev.	Date	Description	Drawn	Q. Ref.
2	25/11/24	Navigation Quarter	TS	GH23088
1	24/01/22	Eastern Woodland & Rail	TS	GH12786

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CLIENT
Blocwork (Eastleigh) LLP

PROJECT
Navigation Quarter
Southampton Airport
SO18 2NL

TITLE
Topographical Survey

SCALE	DATE
A1@ 1: 5000	December 21
DRAWN: TS	QUALITY REF: GH12413

Level datum	See note
Grid orientation	See note
Job number	42270

Drawing No.: 42270_T
Rev.: 2

Comments
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All dimensions should be checked on site prior to design and construction.

Drainage information (where applicable) has been visually inspected from the surface and therefore should be treated as approximate only.

Notes:

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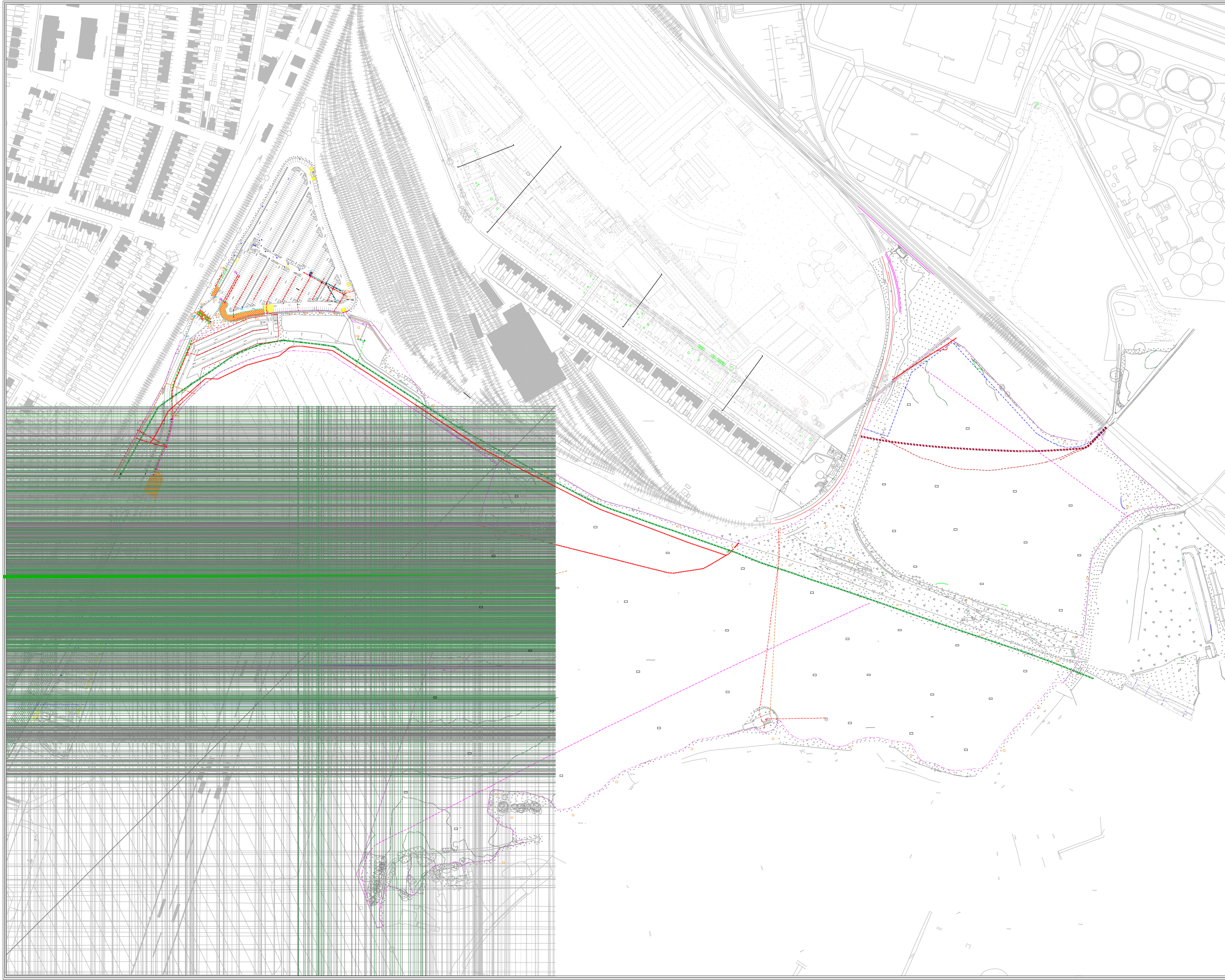

N

NOTES;

In all cases please call the BT Dial before you dig service to mark their own plant before any site works commence 0800 917 3993
Always consult utility plans

1. Drainage information provided has been determined without man entry into the chambers. Whilst every effort has been made to correctly identify the duty/pipes/chamber detail, it is recommended that this information should be checked in areas that are critical to the future proposal/development.
2. All sewer runs are presumed to be straight line connections between chambers unless proven otherwise by the use of a sonde or CCTV survey.
3. Dense vegetation in areas of utility survey.
4. Area of COVID-19 Testing area not accesible at time of survey. This was relayed & agreed upon via phone call with Mike Weeks of AGS

UTILITY LINETYPES

UTILITY SURVEY INFORMATION

LEGEND

Buildings	Overhead Cable	IC	Inspection chamber	Bo	Bollard		
Wall	Concrete edge	PInv	Pipe invert	IB	Illuminated bollard		
Kerb line	Tarmac edge	Gy	Gully	Bin	Rubbish bin		
Line marking	Grass verge	Bg	Back gully	Vp	Vent pipe		
Drop kerb	Canopy/Overhang	Dp	Down pipe	Grl	Ground light		
Centre line	Verge	Pipe	Pipe above ground	Lbox	Letter box		
Top of bank	Bottom of bank	MH	Manhole	Stmp	Tree Stump		
1	Station and Name	WL	Water level	Sty	Stile		
100.000	Station Level	Fl	Flood light	IFL	Internal floor level		
		Lp	Lamp post	THL	Threshold level		
	Tree / Bush / Sapling	Tp	Telegraph post	Sp	Sign post		
	Area of Undergrowth	Ep	Electricity post	TH	Trialhole		
		Tl	Traffic light	BH	Borehole		
	Woodland	Bus	Bus stop	ELC	Electric		
R	Ridge Level	Sv	Stop valve	BT	British Telecom		
E	Eaves Level	St	Stop tap	C'box	Control box		
F	Flat Roof Level	Er	Earth rod	TT	Tactile		
	Gate	Wm	Water meter	BP	Brick paved		
Fence types:		Gas	Gas valve	CPS	Concrete paving slabs		
IW	Interwoven	Av	Air valve	CVR	Cover		
IR	Iron Railings	ICU	Unidentified inspection	R/wall	Retaining wall		
WM	Wire Mesh	Wo	Wash out	TWL	Top of Wall Level		
P/R	Post & Rail	Re	Rodding eye	TCL	Tree canopy level		
P/W	Post & Wire	BB	Belisha beacon	G	Girth		
C/L	Chain Link	CTV	Cable tv	MG	Multi girth		
W/P	Wooden Panels	Mkr	Marker post	IC	Inspection chamber		
C/B	Close Boarded	Gmkr	Gas marker post	CL	Cover level		
S/P	Steel Palisade	So	Soffit	IL	Invert level		
		Fh	Fire hydrant	UTL	Unable to locate		

PAS 128 : 2014 LEVEL B SURVEY

QUALITY LEVEL	CRITERIA USED IN THE DETERMINATION OF QUALITY LEVEL	ACCURACY
QL-B	A UTILITY SEGMENT WHICH IS SUSPECTED TO EXIST BUT HAS NOT BEEN DETECTED AND THEREFORE SHOWN AS AN ASSUMED ROUTE. (NO DETECTION POSSIBLE)	UNDEFINED
QL-B3/B3P	POSITION OF THE UTILITY DETECTED BY ONE OF THE GEOPHYSICAL TECHNIQUES. (EML OR GPR DETECTION WITH LIMITED CONFIDENCE IN DEPTH)	/ 500mm HORIZONTAL UNDEFINED VERTICAL
QL-B2/B2P	POSITION AND DEPTH OF THE UTILITY DETECTED BY ONE OF THE GEOPHYSICAL TECHNIQUES. (EML OR GPR DETECTION WITH CONFIDENCE IN DEPTH)	/ 250mm OR / 40% OF DETECTED DEPTH WHICHEVER IS GREATER (HORIZONTAL) & / 40% OF DETECTED DEPTH (VERTICAL)
QL-B1/B1P	POSITION AND DEPTH OF THE UTILITY DETECTED BY MULTIPLE GEOPHYSICAL TECHNIQUES. (EML GPR DETECTION)	/ 150mm OR / 15% OF DETECTED DEPTH WHICHEVER IS GREATER (HORIZONTAL) & / 15% OF DETECTED DEPTH (VERTICAL)

DISCLAIMER

Whilst every effort has been taken in the preparation of this drawing, the original land marks/apparatus configuration may have been altered since the survey/drawing was produced. The user shall make further enquiries and investigations to satisfy himself as to the accuracy of this drawing and position of the apparatus. The exact positions of the apparatus should be verified by the use of suitable detection devices and safe digging practices in accordance with HSG47, further advice on the location of apparatus should be recommended by the owner. No representation is made by Greenhatch Group, its agents or servants as to the accuracy, completeness, and sufficiency or otherwise of this drawing and the position of the apparatus.
All apparatus shall be treated as live unless proved otherwise by the owner. It is the users responsibility to ensure that the information on the location of apparatus is provided to all persons (either direct labour or contractors) working in proximity to the apparatus.

Rev	Date	Description	Drawn	Q. Ref.
2	26.11.2024	Additional Survey Area	JB	GH23101

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London: 27, Cornwall Terrace Mews, Regents Park, London, NW1 5LL, t. (02072) 241806

CLIENT
Network Rail

PROJECT
Campbell Road
Eastleigh
SO50 5QW

TITLE
Utility Survey

SCALE	DATE
A1@ 1: 2000	December 21
DRAWN	QUALITY REF
DM	GH12572

Level datum	See note
Grid orientation	See note
Job number	42270

Drawing No.	Rev.
42270_T_UG	0

Comments
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All dimensions should be checked on site prior to design and construction.
Drainage information (where applicable) has been visually inspected from the surface and therefore should be treated as approximate only.

Notes:

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UTILITY LINETYPES

Air Line	AIR
British Telecom	BT
British Telecom Overhead	O/H
CCTV / Cable Television	TV
Communication Cable	COM
Drainage - Combined Water	Ø150
Drainage - Foul Water	Ø150
Drainage - Storm Water	Ø150
Drainage - Unknown Water	Ø150
Drainage - Trade Effluent Water	Ø150
Drainage - Combined Water - Assumed/TFR	Ø150
Drainage - Foul Water - Assumed/TFR	Ø150
Drainage - Storm Water - Assumed/TFR	Ø150
Drainage - Unknown Water - Assumed/TFR	Ø150
Drainage - Trade Effluent Water - Assumed/TFR	Ø150
Drainage - Approximate Pipe Size/Extents	
Earth Cable	ETH
Empty Duct	ED
Electric & Comms	E&C
Electric Low Voltage	LV
Electric High Voltage	HV
Electric - Unknown Voltage	E
Electric Overhead	O/H
Fibre Optic	FO
Fuel Line	FL
Gas Line	GAS
Gauge Line	GL
GPR Line	GPR
Heating Pipes	HTG
Offset Fills	OF
Oil Pipe	OIL
Rising Main	>>
Sensor Cable	
Telecom	TEL
Traffic Light Signals	TL
Trench Scar	
Unknown	UKN
Vapour Recovery	VR
Vent Line	VP
Virgin Media	VM
Water	WTR

UTILITY SURVEY INFORMATION

Contracted Survey Area	SVY AREA
Depth to Top of Service (m)	0.40d
End of Trace / Record	EOT
Head of Run	HoR
Weak Signal	WS
Taken From Records	TFR
Off Survey Area	OSA
Back Drop	BD
Silt Level	SL
Flow Level	FL
Above Ground	A/G
Unable to Locate	UTL
Unable to Survey	UTS
Unable to Raise (cover)	UTR
Unable to Trace	UTT
Unable to Survey	
Approximate Chamber Extents	
Assumed Route	AR
Assumed Connection	ACP
Sound Connection	S/C
Sonde Stopped	S/S
No Visible Access	NVA
No Visible Exit	NVE
No Visible Pipes	NVP
No Visible Services	NVS
No Depth Indicated	NDI
Base Level	BL
High Level	HL
Top of Pipe / Top of Valve	ToP / ToV
Landing Level	LL
Rubble Level	RL
No Signal	N/S
Heavily Silted	H/S
Approximate Location (ApL)	
GPR Anomaly	
Multiple Services Route	

APPENDIX C – PHASE 1 DESK STUDY REPORT

Intelligent Ground Solutions

Preliminary Risk Assessment

Navigator Quarter, Southampton
Mitchell Way, SO50 5QJ

For Blocwork (Eastleigh) LLP and AGS Airports Group Limited

27 February 2025
Report ref. 25/4362.A.1

Registered in England number 4638532.
Address Coniston House, Louisa Street, Idle, BD10 8NE. VAT number 809080436

Report ref. 25/4362.A.1

Revision log

Issue No.	Date	Description
1	27 February 2025	Issue of report to Client

Report Prepared By	Signature	Date
Jessica Rowe Principal	[redacted]	27 February 2025
Report Reviewed By	**Signature**	**Date**
Gemma Tatton Principal	[redacted]	27 February 2025
Report Authorised By	**Signature**	**Date**
Tom Horner Associate Director	[redacted]	27 February 2025

Executive Summary

Brief	The study was undertaken prior to the proposed redevelopment of the site for a commercial/light industrial end use to assess potential contamination risks.
Site Location	Navigator Quarter, Southampton, Mitchell Way, SO50 5QJ. Grid reference 445940, 117680. The site currently comprises an access road and disused car parking area associated with Southampton International Airport in the west, fallow grassland in the east and northeast, separated by a historical railway embankment which is densely vegetated. Infrastructure (blast barriers and lighting) associated with the adjacent runway are present in the north and southeast of the site.
Site History	Earliest available historical mapping shows that the site largely comprised agricultural land with a farm (North Stoneham Farm) in the southeastern corner. By the early 1900s a railway line was noted along the northern boundary, dissecting the site in an approximate east-west orientation. Two gravel pits were also noted during this time in the northwestern and southeastern corners. The site has been associated with a use as an airfield/airport since 1910, originally known as Eastleigh Airfield. The area was then used by the United States during WWI and by the RAF in WWII, with the area known as RAF Eastleigh before becoming RAF Southampton, and later RNAS Eastleigh (HMS Raven) as a training ground for the Royal Navy. Development was historically present in the southern area associated with the military use (likely barracks) and currently in the northwest associated with disused airport car parking. The majority of the site (eastern and northeastern field) has remained undeveloped throughout history.
Environmental Setting	The site is considered to be of a moderate environmental sensitivity given the presence of the SSSI to the east associated with the River Itchen, the underlying Secondary A and Secondary Undifferentiated Aquifers at the site, lack of an SPZ or potable water abstraction point within 1 km.
Contamination Potential Risk	Potential soil and groundwater contamination may include fuels/hydrocarbons, polycyclic aromatic hydrocarbons, heavy metals, asbestos and potentially per- and polyfluoroalkyl substances associated with the airport use and firefighting run-off. Due to the historical use of the site and wider area and potential sources identified, Geo^2 considers the risk to site end users from contaminants within shallow soils and the risk from elevated ground gas concentrations to be **Low to Moderate**. Significant on-site sources of contamination have not been identified, however, the site is in close proximity to the River Itchen, a sensitive water receptor, as such, the risk to controlled waters is considered to be **Low to Moderate**. The off-site rail yard to the north is known to have impacted groundwater with hydrocarbons (including free phase product) in the northern central area. It is unknown whether remediation works have been completed, however, free phase product was most recently identified in September 2023. As such the risk from off-site sources is considered **Moderate to High**.
Development Considerations	Based on the available information, it is anticipated that the ground conditions at the site will likely comprise Made Ground underlain by superficial clay and gravel followed by bedrock of the London Clay Formation, or Wittering Formation in the east. Alluvium may also be present in the east given the proximity to the River Itchen. Groundwater is anticipated at c. 3-4 m bgl.

	The key geotechnical considerations (amongst others) of the site relate to the potential for Made Ground associated with historical development. This risk should be further assessed through intrusive ground investigation.
Recommendations	Geo^2 recommends that an intrusive investigation be undertaken to assess the potential for contamination, to refine the site-specific ground model and groundwater regime beneath the site. Further enquiries should also be made as to whether remediation has been undertaken on the rail yard to the north.
This table is a summary only, full details and limitations of the assessment are provided within the main body of the report.	

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Appendix D – Risk Assessment Terminology
Appendix E - Council Enquiry Response

1.0 Introduction

Geo^2 Limited were commissioned by Blocwork (Eastleigh) LLP and AGS Airports Group Limited to conduct a Preliminary Risk Assessment of a site known as Navigation Quarter, Southampton located off Mitchell Way, SO50 5QJ. The site is approximately 32.62 hectares in area and located at grid reference 445940, 117680.

The study was undertaken prior to proposed redevelopment of the site for a commercial/light industrial end use.

1.1 Scope of Works

The Preliminary Risk Assessment, consisting of desk study and site walkover, was conducted in order to assess the potential for contaminant sources to be present on site, resulting from the past use of the site and current land use.

The desk study was also undertaken to identify possible sensitive environmental receptors that may be at risk from sources, if present on site, within the locality of the site.

The scope of the Preliminary Risk Assessment has given consideration to guidance on Land Contamination: Risk Management pages of the GOV.UK web pages, the relevant requirements of the National Planning Policy Framework (NPPF) (as amended, 2024) (paragraphs 187 & 196-197) and the Planning Practice Guidance (Land Affected by Contamination).

2.0 Description of the Site and Surroundings

2.1 Site Description

The site is located approximately 6 km north of Southampton city centre. Figure 1 in Appendix A shows the location of the site.

The site currently comprises an access road and disused car parking associated with Southampton International Airport in the west, fallow grassland in the east and northeast separated by a historical railway embankment which is densely vegetated. Infrastructure (blast barriers and approach lighting) associated with the adjacent runway are present in the north and southeast of the site. The site is accessed through the car parking in the northwest and via a bridge beneath the railway line along the northeastern boundary.

The area shown within the red site boundary on Figure A below, will be referred to throughout this document as 'the site'.

Figure A: Site Location Plan. Site boundary in red Contains © Crown Copyright and Database Right 2024

2.2 Site Walkover

A site walkover was undertaken on 16th January 2025, with a photographic survey included in Appendix B. The site walkover findings are detailed below.

The site was accessed via Mitchell Way in the northwestern corner. Mitchell Way led to a tarmac car park and a mixed gravel and tarmac car park in the northwestern-most corner of the site. An area of disused grassland was also noted adjacent to the car parks with sporadic fragments of concrete and metal noted on the surface.

The site wrapped around the northern extent of Southampton Airport runway comprising a gravel track and densely vegetated bund. Runway approach lights were noted adjacent to the site in this area. The site was separated from the runway and associated areas by a c. 2.50 m metal wire fence.

The majority of the site comprised vacant grassland separated by a densely vegetated embankment in the central area running in an east to west orientation. This embankment was considered to

represent a former railway line. Concrete blocks and metal fragments were noted in the material of the embankment where bare ground was visible. Access to the northeastern field was via foot over the embankment or via a metal gate along the northern boundary. The northern access was noted to be flooded at the time of the walkover by c. 0.4 m of water. The track off-site to the north passed beneath the railway line via a brick tunnel.

Further airport infrastructure was noted in the larger southern field comprising a radar station and windsock flagpoles. In addition, a series of third-party boreholes were noted in the northern central area, which were understood to relate to the investigation of off-site hydrocarbons from the adjacent railway yard.

The remains of former buildings could be seen in the southern-most area of the site comprising remnant brick walls and concrete floors with rubble, engines, metal and corrugated sheeting. No evidence of asbestos containing materials were noted, however, the area was densely vegetated as such, the potential cannot be discounted.

An above ground storage tank was noted off-site adjacent to the central northern area of the site.

The site was bounded by the airport in the east and largely by vegetation, hedgerow and trees along the eastern and northern boundaries.

2.3 Site Surroundings

The surrounding land uses of the site are summarised below.

Direction	Land Use
North	A rail yard, commercial properties and residential housing to the northwest. Sewage treatment works to the northeast and agricultural land beyond.
East	River Itchen and Itchen Valley Country Park.
South	Southampton Airport to the southwest. Itchen Valley Country Park and the River Itchen to the southeast.
West	Residential properties beyond the A335.

3.0 Desk Study

3.1 Desk Study Data

Information regarding the environmental setting of the site was obtained from the Envirocheck report, which collated information from a variety of sources. A copy of the Envirocheck report is presented in Appendix C.

Where indicated in below, the data from the Envirocheck report has been supplemented with additional information obtained from freely available online data.

Site Geology	British Geological Survey (BGS) data indicates that the site is underlain by superficial River Terrace Deposits (clay and silt) followed by bedrock of the London Clay Formation (clay, silt and sand) in the west and the Wittering Formation (sand, silt and clay) in the east. Superficial deposits of Alluvium (clay, silt, sand and gravel) are mapped adjacent to the east of the site associated with the River Itchen, which may encroach onto site. Artificial ground is mapped along the northeastern boundary of the site, likely associated with the raised railway embankment in this area. A BGS borehole (Ref. SU41NE230) is located along the western boundary of the site, drilled in 1969. The ground conditions recorded comprised superficial clay, sand and gravel to c. 5.3 m bgl (below ground level) followed by clay and sand of the London Clay Formation to completion at 30.5 m bgl. Resting groundwater was identified at c. 3.0 m bgl. Two further BGS boreholes (Ref. SU41NE277 and SU41NE109) are located <50 m from the southeastern boundary of the site. The ground conditions in these locations comprised soft clay and peat at shallow depths (<2.0 m) followed by gravel and sand to c. 4.50 m bgl and firm to stiff bedrock clay below.
Ground Stability	The Envirocheck Report shows the site has the following risk ratings associated with these ground stability hazards: • Collapsible ground stability – *low risk to no hazard;* • Compressible ground stability – *moderate risk to no hazard;* • Ground dissolution – *no hazard;* • Landslide ground stability hazard – *very low risk;* • Running sands stability hazard – *low to very low risk*; and • Shrinking or swelling clay stability hazard – *moderate risk to no hazard*.
Mining	The Envirocheck Report records two BGS Recorded Mineral Sites located in the northwestern and southeastern corners of the site. Both entries relate to opencast quarrying of superficial sand and gravel and the operations are noted as ceased. Both quarries are noted on historical mapping and are likely infilled. Four BGS Recorded Mineral Sites are recorded within 250 m of the site, the nearest of which is located approximately 90 m northeast of the site and relates to opencast quarrying of sand and gravel; however, the operations are noted as ceased.

	The site is not within an area which may be affected by coal mining activity, therefore the risk to the proposed development from shallow coal mining is considered to be Low.
Radon	The site is in a low (less than 1% of homes are estimated to be at or above the Action Level) to intermediate probability radon area (up to 3 to 5% of homes are estimated to be at or above the Action Level). Given the site is located within two probability areas, it is recommended that the requirement for radon protective measures is confirmed with the Local Authority / Building Control. At this stage it would be prudent to allow for basic radon protective measures within new buildings.
Site Hydrogeology	The Environment Agency (EA) classify the superficial River Terrace Deposits as a Secondary (Undifferentiated) Aquifer and the Wittering Formation and Alluvium as Secondary A Aquifers. The London Clay Formation is classified as Unproductive Strata. The site is not located within a groundwater source protection zone (SPZ). According to the Envirocheck Report there are no licensed groundwater abstractions within 1 km of the site.
Site Hydrology	Drainage ditches are present along the northern central boundary and along the southern boundary of the site. In the wider area there are several tributaries of the River Itchen located to the east and south of the site. At its closest the river is approximately 170 m east. According to the Envirocheck Report there are three licensed abstractions from surface water located approximately 50 m east relating to abstraction for use in transport. There are two Pollution Incidents to Controlled Waters recorded within 250 m of the site, the nearest of which is located approximately 90 m west of the site and relates to the release of waste oil in July 1994, resulting in a Category 3 – Minor Incident. Eight Discharge Consents are recorded within 250 m of the site, the nearest of which is located approximately 75 m west of the site and relates to trade effluent discharge (site drainage) into groundwater via a soakaway. The licence is held by Southampton International Airport, dated July 2020, and is noted to be 'varied under EPR 2010'.
Waste and Infilled Land	According to the Envirocheck Report, there is a Historical Landfill Site registered in the northwest of the site associated with the former gravel pit. Details indicate that the licence was held by British Rail and deposited waste included household materials. No further pertinent information is supplied. The following entries are recorded within 250 m of the site: • One Historical Landfill Site located approximately 225 m west of the site, named as 'Land at Lakeside'. Details indicate that the licence was held by H T Hughes and Sons (Transport) Limited and deposited waste included inert waste; • Two Licensed Waste Management Facilities (locations), the nearest of which is located approximately 65 m east of the site and relates to a physical treatment facility. The licence is held by Aquavitrum Limited and was issued in February 2023;

	• Three areas of Potentially Infilled Land (non-water), the nearest of which is located approximately 85 m north of the site and was mapped in 1990; • One area of Potentially Infilled Land (water) located approximately 100 m northeast of the site, mapped in 1938; and • One Registered Landfill Site located approximately 235 m west of the site, operated by Sir Alfred Macalpine & Sons Ltd. The licence is dated January 1983 and has since lapsed/been cancelled or surrendered. Authorised waste is reported to have comprised excavated natural materials and household waste.
Local Industrial Land Use	There are two entries on the Substantiated Pollution Incident Register listed on-site in the central northern area. Both relate to the release of oils and fuel in July 2007 and February 2017. The impact to land is listed as Category 2 – Significant for both entries. No impact was noted to water or air. Within 250 m of the site there are; • One Integrated Pollution Control located approximately 230 m northeast of the site relating to mineral fibres (non-asbestos) within the Mineral Industry. The permit is dated April 2002 but has since been revoked; • Two Integrated Pollution Prevention and Controls, the nearest of which is located approximately 165 m northeast of the site and relates to the incineration of hazardous waste in an incinerator or co-incineration plant with a capacity exceeding 10 tonnes per day. The permit date is not supplied; • Three Local Authority Pollution Prevention and Controls, the nearest of which is located approximately 95 m northwest of the site and relates to coating and recoating of rail vehicles. The permit is dated as September 1995 but has since been revoked; • Nine Contemporary Trade Directory Entries (active and inactive), the nearest of which is located approximately 50 m northwest of the site and relates to repairing & restoring of furniture (inactive). The nearest active entry is located approximately 130 m north of the site and relates to electronic engineers; • Two Commercial Services Points of Interest relating to vehicle cleaning and recycling located approximately 220 m and 250 m northwest; • Twelve Manufacturing and Production Points of Interest relating to tanks, works and industrial estates, the nearest of which is a tank located approximately 10 m northeast of the site; and • One Fuel Station Entry (Stoneham Esso Express) located approximately 150 m west, the entry is recorded as obsolete.
Sensitive Environmental Receptors	An area of Special Scientific Interest is listed on-site, however, is considered to relate to the River Itchen and surrounding land which is also classified as a Special Area of Conservation. The site is also located within a Nitrate Vulnerable Zone (NVZ) relating to eutrophic water (Hamble Estuary Eutrophic Nvz).

	Historic England Records (historicengland.org.uk) indicate that no areas of designated heritage interest are located on or adjacent to the site.
Unexploded Ordnance (UXO)	A review of Zetica online risk mapping for the area indicates that the site is located in a Moderate risk area, with Southampton Airport listed as a Luftwaffe target. A Detailed Explosive Ordnance Risk Assessment has been undertaken for the site by Impartial Assessments which concludes that Explosive Ordnance poses a Low to Moderate Risk to proposed ground investigation and the development.

3.2 Environmental Sensitivity

Given the above, the site is considered to be of a moderate environmental sensitivity given the presence of the SSSI to the southeast of the site associated with the River Itchen, the underlying Secondary A and Secondary Undifferentiated Aquifers at the site, lack of an SPZ or potable water abstraction point within 1 km.

3.3 Historic Planning Applications

A review of Eastleigh Borough Council planning portal indicates a number of applications associated with Southampton Airport including provision of car parking, signage installations and most recently the extension of the runway under application Ref. F/19/86707. A number of reports relating to contaminated land were submitted as part of the planning process. These are reviewed in Section 5.0.

3.4 Regulatory Enquiries

The Contaminated Land Officer (CLO) was contacted to enquire into information on the site and immediate surrounding area as well as enquiring into whether the site is on their list for inspection on the basis of the historical use of the site. The response confirms that the site nor any property / land adjoining has been classified as Contaminated Land under Part 2A. The response is included in Appendix E.

4.0 Site History

Details regarding the development of the site, its immediate surroundings and potentially contaminative land uses were obtained from a review of historical maps.

Copies of the maps are provided in Appendix C and a detailed summary provided below and on the following page. All distances given are approximate and are relative to the site, unless otherwise stated.

From the earliest map edition dated 1871 the majority of the site comprised undeveloped agricultural land. North Stoneham Farm comprising numerous buildings was mapped in the southern corner of the site. A railway line was also present along the northeastern boundary. Allotment gardens were mapped in the northwestern corner from 1896. By 1909 two gravel pits were labelled, one in the northwest of the site adjacent to the allotment gardens and the other adjacent to the farm in the south. By 1911, a railway line was also mapped along the northwestern boundary and dissected through the northern area of the site in an east-west orientation. Filter tanks were labelled to the south of the railway in the eastern area of the site, with the railway line noted to be on a raised embankment. Further development of the railway was noted in the 1931 map edition in the form of a spur in the northeast. Further allotment gardens were shown in the central northern area adjacent to the railway embankment from the 1951 to 1968 map editions. The railway line was also noted to be disused by the 1963 map edition and the filter tanks were no longer present. By 1992, the gravel pit in the south of the site was noted to be disused and both the northeastern and southern gravel pits were no longer labelled by 1995, suggesting that they may have been infilled.

Development of North Stoneham Farm including a number of huts was shown in the 1931 map edition, aerial imagery dated 1947 and 1963. From readily available online information it is understood that the wider area has been in use as an airfield/airport since 1910, originally known as Eastleigh Airfield. The area was then used by the United States during WWI and by the RAF in WWII, with the area known as RAF Eastleigh, before becoming RAF Southampton, and later RNAS Eastleigh (HMS Raven) as a training ground for the Royal Navy. The buildings shown in the 1930-1960s mapping are considered to relate to the airfield use, likely huts/barracks for housing military personal. The buildings were no longer shown by the 1963 map edition and the original buildings associated with North Stoneham Farm remained until their demolition in the early 1990s.

Airport infrastructure comprising approach lights in the northwest and a tower in the southeast of the site were shown in the 1991 and 1992 map editions. Modern development comprising present day car parks in the northwest were shown by the 1995 map edition and 2005 aerial imagery. No further significant changes were noted.

Within 250 m of the site, potential contaminative land uses include;

- Railway lines to the west and north from the earliest map edition dated 1871 until present. Further sidings, a rail yard and running shed were noted directly north by the 1911 map

edition with further development noted in the early 1930s and late 1960s. A series of tanks were noted approximately 30 m north of the site in the central northern area associated with the rail yard in the 1972 map edition;

- A sewage works located approximately 200 m north from 1887;
- A series of gravel and clay pits in the surrounding area to the northeast and northwest in early 1900s map editions;
- Allotment gardens to the north from 1909 until present and northwest from 1963 until no longer mapped in 1983; and
- Southampton Airport mapped from 1963 onwards with the runway noted within 250 m of the site in 1983 mapping.

5.0 Existing Reports

The following third-party report has been provided to Geo^2 by the Client for review:

- Southern Testing, Factual Ground Investigation Report, Southampton International Airport Runway Extension, (Ref. J14044), dated May 2020, Issue No. 7 *[this report relates to land adjacent to the northern area and the central northern area of the site]; and*
- Email correspondence from Dyer and Butler Ltd regarding groundwater monitoring results from January 2015 to September 2023.

In addition, the following third-party reports were identified associated with planning references F/19/86707;

- WSP, Geo-Environmental Preliminary Risk Assessment, Southampton Airport, Eastleigh, (Project No. 70048854), dated August 2019;
- WSP, Generic Quantitative Risk Assessment, Southampton Airport, Eastleigh, (Project No. 70048854), dated September 2019;
- Savills, Environmental Statement Chapter 12: Ground Conditions, Southampton International Airport Eastleigh, dated July 2020; and
- H Fraser Consulting, Phase II Land Quality Assessment for runway extension, Southampton Airport, (Ref. 30691R2), dated January 2023.

Further third-party reports are referenced within the WSP Preliminary Risk Assessment and Environmental Statement Chapter, however, these reports have not been made available to Geo^2 or identified on the planning portal. A review of the available third-party reports is provided for information purposes only.

5.1 Previous Report Review

WSP, Geo-Environmental Preliminary Risk Assessment, August 2019

WSP undertook a Preliminary Risk Assessment for Southampton Airport in 2019 to support a runway extension in the north. The red line boundary included the majority of the current target site with the exception of the northeastern field. Pertinent information related to the target site is included below.

Fuel storage for the airport was largely stored along the western site boundary and historically comprised a number of underground storage tanks (now removed) in the southern area of the western boundary.

As part of the report WSP contacted the Environment Agency (EA) for information relating to remedial works undertaken on/adjacent to the site. The response indicated that the EA did not hold any records of remediation, however, did have documents relating to contamination associated

with the rail depot ('Eastleigh Depot') located directly north of the site. The information indicated that oil contamination had been known to be present at the depot since 1998 with a further recorded leak in 2001 from the main fuel line. On-going monitoring was undertaken in 2003-2005, 2008 and 2015. Soil and groundwater contamination was identified c. 3.00 m bgl associated with the groundwater table in the River Terrace Deposit gravels. Correspondence also proposed that the hydrocarbons were potentially preferentially travelling along the high-pressure gas main route which was stated to be present along the northern boundary (separating the airport from the depot). Remedial works were planned for early 2018.

Further information provided by the EA included records of pollution incidents on-site including firefighting run-off (minor impact to land and water) in 2002, oil/fuel spillage (significant impact to land) in 2007 and oil/fuel containment and control failure (significant impact to land) in 2017. Details of a prohibition notice dated 1997 relating to de-icing run off was also provided. It was indicated that drainage of the run-off was diverted into foul drainage to prevent contamination of the underlying groundwater which was understood to be in continuity with the River Itchen. Following four months of monitoring, no impact/marginal deterioration of the groundwater downstream was noted.

Further third-party reports included an assessment of a bund in the northwestern corner which required removal prior to the car park development. Anecdotal evidence suggested that the mound comprised soil from the terminal construction. Chemical analysis indicated that the material was classified as 'inert'.

The report summarised a low to moderate risk to human health associated with the extension and a moderate to high risk to controlled waters related to the off-site hydrocarbon contamination. Ground investigation was recommended.

WSP Generic Quantitative Risk Assessment, September 2019 and Southern Testing, Factual Ground Investigation Report, May 2020

WSP undertook a Generic Quantitative Risk Assessment utilising initial data from the Southern Testing Ground Investigation (dated June 2019 at the time of the report preparation).

The ground investigation works comprised the advancement of 8 No. trial pits, 3 No. BRE365 tests and 2 No. cable percussion boreholes. The works were undertaken airside to the north and east of the runway (not within the current site boundary).

The ground conditions comprised a limited thickness of topsoil followed by firm to stiff silty sandy clay, becoming gravelly with depth to c. 1.90 m bgl, followed by medium dense gravelly sand/sandy gravel to c. 3.70 m bgl and fissured sandy silty clay of the London Clay Formation at depth. Groundwater was struck at depth in the London Clay within the boreholes, with standing water recorded at c. 4-5 m bgl at the start of each shift. Return groundwater monitoring over the following year recorded groundwater at depths of between 3.47 m bgl and 4.24 m bgl (10.26 m AOD to 9.49 m AOD). No visual or olfactory evidence of contamination was identified during the investigation.

Following soil chemical analysis none of the potential contaminants were identified above the applied commercial and public open space end use assessment criteria. Asbestos was not identified within the samples analysed. A single leachate sample identified potentially elevated copper concentrations above the applied EQS (inland surface waters), however, the one groundwater sample tested did not exceed the guidance values.

The report recommended further detailed review of information relating to the off-site fuel spills as it was unclear as of September 2019 whether physical remediation had been undertaken to address the pollutant linkage.

Savills, Environmental Statement Chapter 12: Ground Conditions, July 2020

The Environmental Statement used the previous WSP reports to provide the baseline conditions for the site to assess the impacts and effects from the development. Given that significant contamination was not identified during the ground investigation and the proposed development comprised a runway extension only, the potential impacts to ground conditions were considered to be negligible with consideration to the embedded mitigation measures as part of current best practice.

H Fraser Consulting, Phase II Land Quality Assessment for runway extension, January 2023

H Fraser Consulting undertook a further ground investigation along the northern runway area (predominantly outside of the current site boundary) in 2022 to support the planning application for the development. The ground investigation comprised the advancement of 10 No. shallow boreholes to depths between 3-4 m bgl and 9 No. shallow hand dug pits to a maximum depth of 1 m bgl.

The ground conditions generally composed a limited thickness of topsoil followed by sandy gravelly clay and gravel at depth. Groundwater was identified during drilling between 3.00-3.50 m bgl. However, the wells were all noted to be dry upon return monitoring. A strong hydrocarbon odour was noted in the northeastern area (BH208) between 2.70 m bgl and 3.00 m bgl.

Following soil chemical analysis none of the potential contaminants were identified above the applied commercial guidance values. Elevated concentrations of hydrocarbons were identified in BH208 at 2.70 m bgl, but not at a shallower depth in the same location, indicating lateral migration of contamination, consistent with the known off-site hydrocarbons from the rail depot.

Elevated concentrations of ground gas were not identified during return monitoring and low/negligible flow rates were recorded.

Given the elevated hydrocarbon concentrations in BH208, a watching brief was recommended at the time of the soakaway installation.

Groundwater Monitoring Results January 2015 to September 2023

The Client has provided monitoring data for the central northern area of the site, undertaken by Ricardo Energy and Environment from January 2015 to September 2023. There is limited information available, however, the boreholes are understood to be in use for the monitoring of hydrocarbon contamination known to be migrating from the adjacent rail yard. No information has been provided by the Client to indicate whether remedial works initially planned for 2018 have been undertaken. Most recent monitoring results from March and September 2023 indicate the presence of free product (up to 15 mm in thickness in borehole F2 close to the northwestern corner of the northeastern field) and elevated Total TPH concentrations at a maximum of 1,244,385 µg/l in F2 from groundwater collected using disposable bailers. The locations of the boreholes and photographs of the groundwater sampled from these locations is shown below in Figure B:

Figure B: Image sent to the Client by Ricardo Energy and Environment

6.0 Preliminary Risk Assessment

6.1 Source – Pathway – Receptor

UK legislation and guidance on assessing potentially contaminated land recommends the use of a risk assessment process based on a review of source/pathway/receptor relationships for various environmental media. The first stage of any risk assessment is to identify, using the desk study data and site information, the presence and extent of any hazard at the site, theoretical or demonstrable.

A key component of the overall risk assessment process is identification of "significant contaminant linkages" between contaminants and receptors. This can be accomplished through development of a site-specific conceptual model in which the potential contaminants, pathways and receptors identified on-site are described.

Each element can be defined as follows:

- **Contaminant source:** A substance either on or under the land and which has the potential to cause harm or pollution to human or environmental receptors.
- **Pathway:** A route or means by which a receptor can be exposed to or affected by a source.
- **Receptor:** A living organism or an ecological system, or controlled water, or property including buildings, crops and livestock.

The presence of all three of the above elements identifies a contamination linkage and a potentially unacceptable risk. To ensure that any risk present to, or, from the site can be appropriately managed each of these contamination linkages will be targeted by the investigation.

6.2 Hazard Identification

6.2.1 Potential On-Site Sources

Potential sources of on-site contamination have been identified associated with historical mineral extraction and subsequent landfilling in the northwest, the historical farm and mineral extraction in the south of the site (with possible infilling of the gravel pit). RAF/military use of the southern area of the site, railway embankment and filter tanks in the central area and development of airport infrastructure including car parks, radar towers and blast screens.

Information from the EA included within a previous WSP report for the site indicated that the following pollution incidents historically occurred on site: firefighting run-off (minor impact to land and water) in 2002, oil/fuel spillage (significant impact to land) in 2007 and oil/fuel containment and control failure (significant impact to land) in 2017. It was also noted that a prohibition notice was issued in 1997 relating to de-icing run off.

Due to the age of the historical buildings on site in the southern area, it is likely that asbestos materials were used in the construction of the buildings, leading to a potential for asbestos in shallow Made Ground soils.

Potential contaminants of concern include metals, petroleum hydrocarbons, polycyclic aromatic hydrocarbons, semi-volatile organic compounds (SVOCs), volatile organic compounds (VOCs), poly- and perfluoroalkyl substances (PFAS) (associated with fire-fighting run-off), asbestos and ground gas.

6.2.2 Potential Off-Site Sources

Potential sources of contamination have been identified associated with the rail yard to the north and the wider airport. Hydrocarbon contamination (including free phase product) is known to be migrating onto site from the rail yard. Potential contaminants of concern include metals, petroleum hydrocarbons and polycyclic aromatic hydrocarbons.

A potential contaminant of concern commonly associated with sites where aircraft operate are Poly- and perfluoroalkyl substances (PFAS), associated mainly with Aqueous Film Forming Foam (AFFFs) used as a method of fire suppression for hydrocarbon fuelled fires (e.g. petrol, diesel and kerosene). PFAS have been commercially available since 1949, and a component of AFFFs since 1963.

6.3 Initial Conceptual Site Model

Contamination linkages arise as a result of the interconnection of the contaminant source, contamination pathways and potential receptors. These contamination linkages are used to design the site investigation (if required), guiding the type of investigation, location of exploratory boreholes and the required sample analysis.

6.4 Risk Estimation

The objective of the qualitative risk assessment is to determine the significance of the risk, if any, which may occur as a result of the creation of pollutant linkages, which connect a potential receptor to an identified potential contaminant source at the site.

The perceived risk is based on a consideration of both the likelihood of an event (probability) occurring, and the severity of the potential consequence. Classification of these two factors is detailed in Appendix D.

6.5 Qualitative Risk Assessment

A qualitative risk assessment is undertaken, detailed in the table on the following page, in line with guidance provided in CIRIA's Contaminated Land Risk Assessment: a guide to good practice CIRIA C552, 2001. The purpose of this assessment is to determine the relative significance of the identified contamination linkages by assessing the probability of an impact occurring and by assessing the perceived severity of an impact to a receptor.

Those linkages considered of low risk or less on the basis of the available site data will not be considered any further in this assessment. Linkages considered to be more significant are identified as presenting potentially unacceptable risk to the identified receptor. In these instances, further works may be considered necessary.

Source(s)	Pathway(s)	Receptor(s)	Comments	Risk	Requires Investigation
Potentially contaminated soils and/or groundwater located beneath the site.	Direct contact/ingestion and, inhalation of dust and vapours	Future site users, principally within landscaped areas. (human health)	Potential sources of contamination have been identified associated with the historical development of the site, mainly in the northern and southern areas. The historical use represents the potential for Made Ground/infill materials to exist, as well as localised impact, for example, following the spillage of fuel and the potential for PFAS to be present associated with firefighting run-off. Hydrocarbon contamination (including free phase product) is known to be present within the groundwater in the northern central area. There is also potential for ACMs to be present within shallow soils in previously developed areas. Given the proposed commercial use, the majority of the site is likely to be covered in hardstanding and buildings, limiting the potential pathway, as such the risk to future site users is considered to be low. The risk in any proposed landscaped areas where Made Ground is present is considered to be moderate. The presence of hydrocarbons within the groundwater in the central northern area of the site may represent a vapour risk if buildings are proposed in this area. Site workers may become exposed to localised contaminated soils and shallow groundwater during intrusive groundworks undertaken at the site. Safe working practices should be undertaken and appropriate Personal Protective Equipment (PPE) should be used to reduce the risk to low. Intrusive investigation will be required to quantify the potential contamination risks.	**Moderate / Low (Low Likelihood x Medium)**	**Yes**
		Maintenance and construction workers. (human health)			

Source(s)	Pathway(s)	Receptor(s)	Comments	Risk	Requires Investigation
	Leaching to groundwater, lateral and vertical flow, followed by migration within the aquifer.	Underlying Secondary Undifferentiated Aquifer (River Terrace Deposits) and Secondary A Aquifers (Wittering Formation and Alluvium [if present]). The River Itchen and associated tributaries to the east. (controlled waters)	Potential sources of contamination have been identified associated with the historical development in the north and south of the site. Given the anticipated granular River Terrace Deposits, at this stage it is considered that the groundwater is likely in conductivity with the River Itchen to the east, as such the risk to controlled waters from on-site sources is considered to be low to moderate. An environmental investigation will be required to assess the soil quality beneath the site and the risk to controlled waters to include groundwater sampling and surface water sampling (where possible).	**Moderate / Low (Low Likelihood x Medium)**	**Yes**
Organic contamination in soils and groundwater	Direct infiltration in water supply pipes	Drinking water supply pipes	Hydrocarbons, especially aromatics, are known to permeate plastic pipes. Assessment of the risk to water pipes for any new supply will have to be undertaken as a requirement of the statutory undertakers, who should provide recommendations for upgrading of potable water supply pipes. It is considered that the use of upgraded water supply pipes may be required in previously developed areas and in the central northern area of the site where hydrocarbon contamination is known to be present within the groundwater.	**Moderate (Likely x Medium)**	**Yes**

Source(s)	Pathway(s)	Receptor(s)	Comments	Risk	Requires Investigation
Ground gas, including Radon	Vertical and lateral migration of ground gases	Current and proposed commercial site end users (human health)	Potential sources of ground gas have been identified at the site associated with Made Ground materials associated with historical development/demolition and landfilled/infilled gravel pits in the northwest and south of the site. However, given the time elapsed since landfilling/infilling activities (circa 30 years), it is considered that any gassing is likely to have ceased by now and the risk is considered to be low. However, there is potential for peat/organic material to be present associated with any Alluvial deposits in the east of the site, therefore the risk is considered to be moderate/low. A ground gas risk assessment is recommended to assess the characteristic situation for the site and requirement for any ground gas protection measures within new buildings. The site is in a low (less than 1% of homes are estimated to be at or above the Action Level) to intermediate probability radon area (up to 3 to 5% of homes are estimated to be at or above the Action Level). Given the site is located within two probability areas, it is recommended that the requirement for radon protective measures is confirmed with the Local Authority / Building Control. At this stage it would be prudent to allow for basic radon protective measures within new buildings.	**Moderate / Low (Low Likelihood x Medium)**	**Yes**

Source(s)	Pathway(s)	Receptor(s)	Comments	Risk	Requires Investigation
Potentially contaminated soil and groundwater from off-site sources	Migration of contaminants	Current and proposed commercial site end users (human health) Maintenance and construction workers. (human health) Groundwater beneath site. (controlled waters)	Potential off-site sources of contamination have been identified associated with the rail yard to the north of the site which is known to have impacted the groundwater in the northern central area with hydrocarbons (including free phase product). It is unknown whether remediation works have been completed, however, free phase product was most recently identified in September 2023. The wider airport also represents a potential source of off-site contamination; however, it is understood that the majority of the refuelling infrastructure is located along the western boundary of the airport. An environmental investigation will be required to assess the groundwater quality beneath the site and the risk to future site users and controlled waters.	**Moderate to High**	**Yes**

7.0 Geotechnical Constraints

7.1 Preliminary Ground Model

Based on the available information, it is anticipated that the ground conditions at the site will comprise Made Ground (in previously developed areas) or topsoil across the majority of the site. Significant thicknesses of Made Ground have not been identified during previous third-party investigations on site and adjacent to the northeastern area, however, investigation will be required to confirm the depth of Made Ground. The underlying natural deposits are likely to comprise an initial layer of clay followed by sand and gravel and then cohesive weathered bedrock of the London Clay Formation or Wittering Formation in the east. Bedrock is anticipated at c. 4.00 m bgl. Alluvium may be present in the east given the proximity to the River Itchen.

7.2 Geotechnical Considerations

The geotechnical constraints that are considered to potentially be a risk during redevelopment are detailed below:

- Made Ground – given the historical presence of buildings in the south of the site and their subsequent demolition, and landfilling/infilling of gravel pits in the northwest and south of the site, Made Ground may be present in areas of the site. Made Ground is typically variable in nature and strength with a potentially low bearing capacity and unacceptable levels of total/differential settlement may occur;
- Remnant structures – partially demolished buildings were noted in the southern area of the site. A scheme of demolition will likely be required to remove remnant structures;
- Quarrying – Two former pits are noted on historical mapping in the northwest and southeastern corners of the site. The northwestern pit is recorded to have been landfilled. It is unclear whether the southern pit has been infilled. Fill materials are typically variable in nature and strength with a potentially low bearing capacity and unacceptable levels of total/differential settlement may occur;
- Peat – Peat has been identified in an off-site BGS borehole in close proximity to the site. There is potential for peat to be present within any Alluvial deposits in the east of the site. Peat is highly compressible and unacceptable levels of total/differential settlement may occur;
- Cohesive soils – There is potential for cohesive soils to be present beneath the site associated with the superficial deposits and bedrock. Cohesive soils can change volume, creating “shrink/swell” problems on the site. Cohesive soils are also generally unsuitable for traditional soakaways to be constructed; and
- Utilities – Several third-party utilities have been identified on-site including a high pressure gas main, electric, telecoms and sewerage.

8.0 Conclusions and Recommendations

8.1 Conclusions

A Preliminary Risk Assessment of the site known as Navigator Quarter, Southampton, located at Mitchell Way, SO50 5QJ was undertaken, prior to proposed redevelopment of the site for commercial end use.

8.1.1 Contaminated Land Considerations

The purpose of the assessment was to evaluate the potential for risk to be posed to human health and controlled waters from historical and current use of the site.

The site has a long history associated with aircraft use, from Eastleigh Airfield in the early 1900s to forming part of Southampton International Airport. Surrounding land uses include a rail yard to the north, Southampton Airport (runway, terminals and commercial premises) to the west and the River Itchen SSSI and conservation area to the east.

Due to the historical use of the site and wider area and potential sources identified, Geo^2 considers the risk to site end users from contaminants within shallow soils and the risk from elevated ground gas concentrations to be **Low to Moderate**.

Significant on-site sources of contamination have not been identified, however, the site is in close proximity to the River Itchen, a sensitive water receptor, as such, the risk to controlled waters is considered to be **Low to Moderate**. The off-site rail yard to the north is known to have impacted groundwater with hydrocarbons (including free phase product) in the northern central area of the site. It is unknown whether remediation works have been completed, however, free phase product was most recently identified in September 2023. As such the risk from off-site sources is considered **Moderate to High.**

8.1.2 Geotechnical Considerations

The key geotechnical considerations of the site relate to the potential Made Ground associated with historical development and infilling of two gravel pits in the northwestern and southeastern corners. The northwestern pit is indicated to have been landfilled. Remnant structures may also be present associated with development in the south and a series of utilities including high pressure gas main are on-site. There is also potential for peat and cohesive soils to be present beneath the site. Peat is highly compressible, and cohesive soils can change volume, creating “shrink/swell” problems on the site. Cohesive soils are also generally unsuitable for traditional soakaways to be constructed. This risk should be further assessed through intrusive ground investigation.

8.2 Recommendations

The following measures are recommended to address the identified risks and to assist in satisfying anticipated contaminated land planning conditions:

- Further enquiries should be made as to whether physical remedial works were undertaken on the rail yard to the north;
- Based on the identified potential sources and risk assessment an intrusive investigation is required to confirm the potential contaminant linkages. Data collected from such investigation will enable a review of the soil, groundwater and ground gas risks, refinement of the ground model, and further review of identified potential contaminant linkages;
- Given the site is located within two radon probability areas (low and intermediate), it is recommended that the requirement for radon protective measures is confirmed with the Local Authority / Building Control; and
- Subject to the findings of the intrusive investigation, a Remediation Strategy may be required for the redevelopment of the site.

9.0 Report Limitations

This Report was prepared by Geo^2 for the sole and exclusive use of the Client and for the specific purpose for which Geo^2 was instructed. Unless explicitly agreed otherwise, in writing, this Report has been prepared under Geo^2's Standard Terms and Conditions.

Geo^2 does not intend, without its written consent through a formal letter of reliance or warranty, for this Report to be disseminated to any party other than the named Client or to be used or relied upon by any party other than the named Client. Use of the Report by any other party is unauthorised and such use is at the sole risk of the user. Any party using or relying upon this Report, other than the Client, agrees by virtue of its use to indemnify and hold harmless Geo^2 from and against all claims, losses and damages (of whatsoever nature and howsoever or whensoever arising), arising out of or resulting from the performance of the work by Geo^2.

The recommendations contained within this Report represent Geo^2's professional opinions, based upon the information detailed within the Report, exercising the reasonable skill and care to be expected of a professional consultant holding itself out as having the competence, experience, and resources necessary for the purpose of carrying out similar work in scope and character to the services performed. The Report needs to be considered in the light of the proposal and associated limitations of scope. The Report needs to be read and considered in full and isolated sections cannot be used without full reference to other elements of the Report and any previous works referenced within the Report.

10.0 References

British Standards Institute

BS10175:2011 "Investigation of potentially contaminated land sites – code of practice"

British Geological Society

Geology of Britain Viewer

CIRIA

C552 Contaminated Land Risk Assessment, a guide to good practise, 2001.

C665, Assessing risks posed by hazardous ground gases to buildings, 2007.

CL:AIRE

Good Practice For Risk Assessment For Coal Mine Gas Emissions, October 2021.

Environmental Agency

Land Contamination Risk Management (LCRM) Guidance, 2020

Landmark

Envirocheck Report, ref. 366723883_1_1, dated January 2025

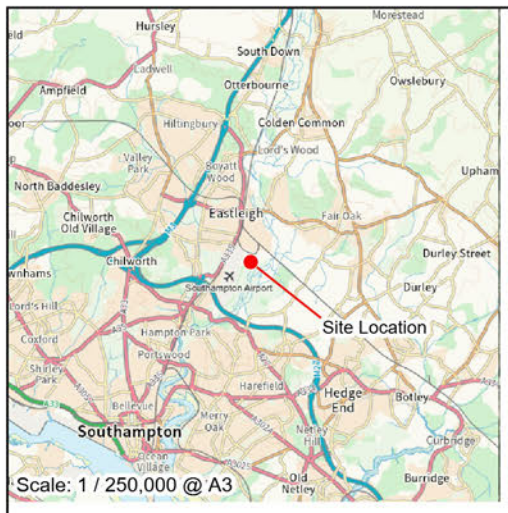
The Coal Authority

Coal Authority Interactive Viewer

Zetica UXO

Risk Maps Viewer

Appendix A – Figures



Site Boundary

Site Location

0 300 600 900 1,200 1,500 1,800 2,100 m

N

DO NOT SCALE. NOT FOR CONSTRUCTION

Figure: Site Location Plan		
Job: Navigator Quarter, Southampton		
Client: Blocwork (Eastleigh) LLP and AGS Airports Group Limited		
Figure No.: 1	Revision: 1	Date: 07 February 2025
Drawn by: JCR	Checked by: TH	Scale: 1:15,000
Job No.: 4362		

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Geo2™

C:\Users\User\OneDrive - Geo 2 Remediation Ltd\Desktop\QGIS Projects\4362_GIS_Southampton-Airport_24-12-24\prj\4362_GIS_Southampton_24-12-24.qgz

Appendix B – Photographic Survey

4362 – Navigation Quarter – Photographic Survey 1

Image 1: Access along northeastern boundary

Image 2: View across northeastern field

Image 3: Former railway embankment, densely vegetated

Image 4: Remnant waste on former railway embankment

Image 5: View across eastern field

Image 6: High pressure gas main marker along northeastern boundary

4362 – Navigation Quarter – Photographic Survey 2

Image 7: View along northern boundary, off-site tank

Image 8: View east across fallow land

Image 9: Northern area of the site adjacent to runway

Image 10: Blast barriers in north

Image 11: View across fallow land in northwest

Image 12: Access into eastern fields

4362 – Navigation Quarter – Photographic Survey 3

Image 13: Material storage in disused car parking

Image 14: Car parking in west

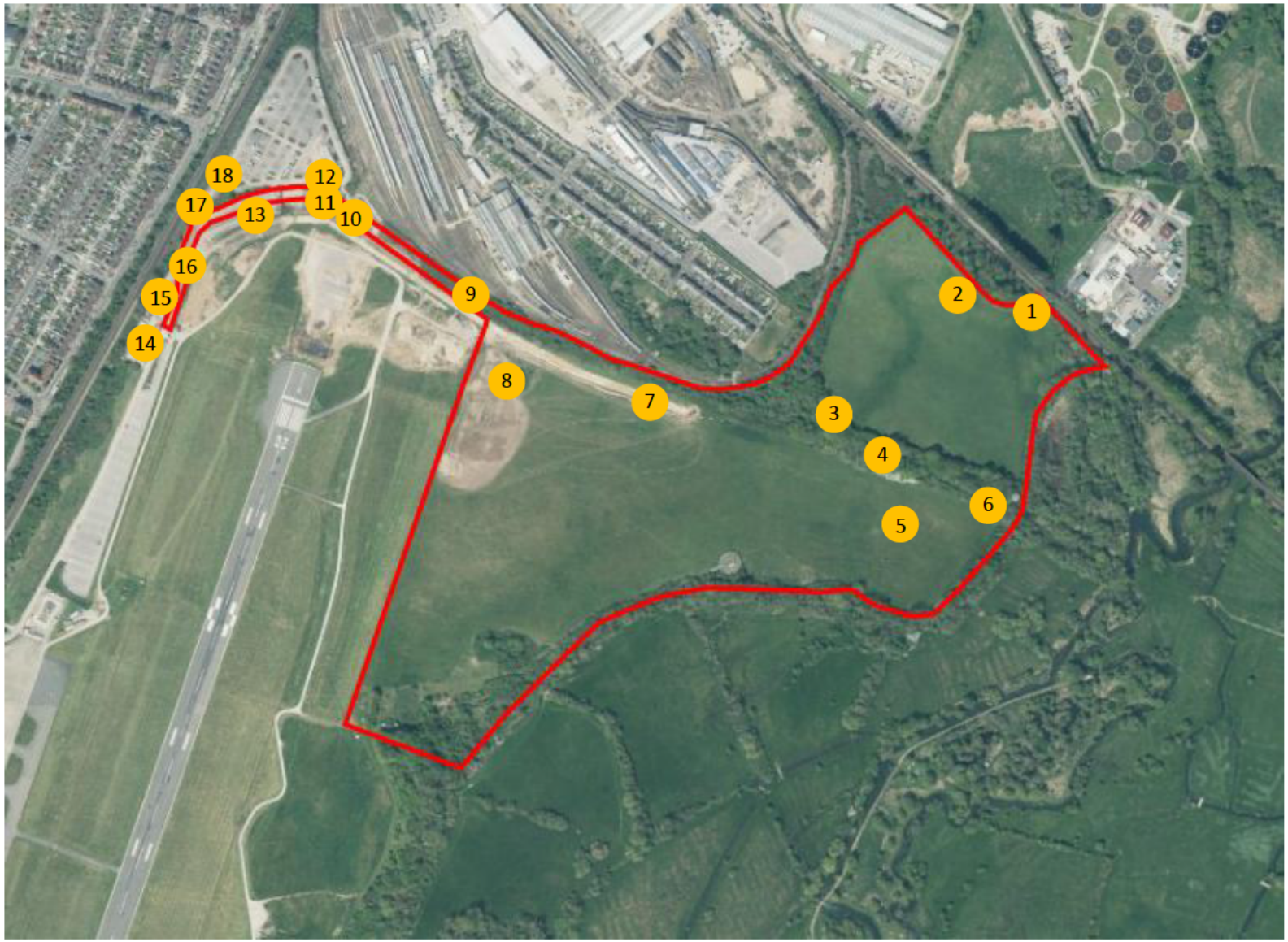
Image 15: Mitchell Way

Image 16: Gravel disused car parking

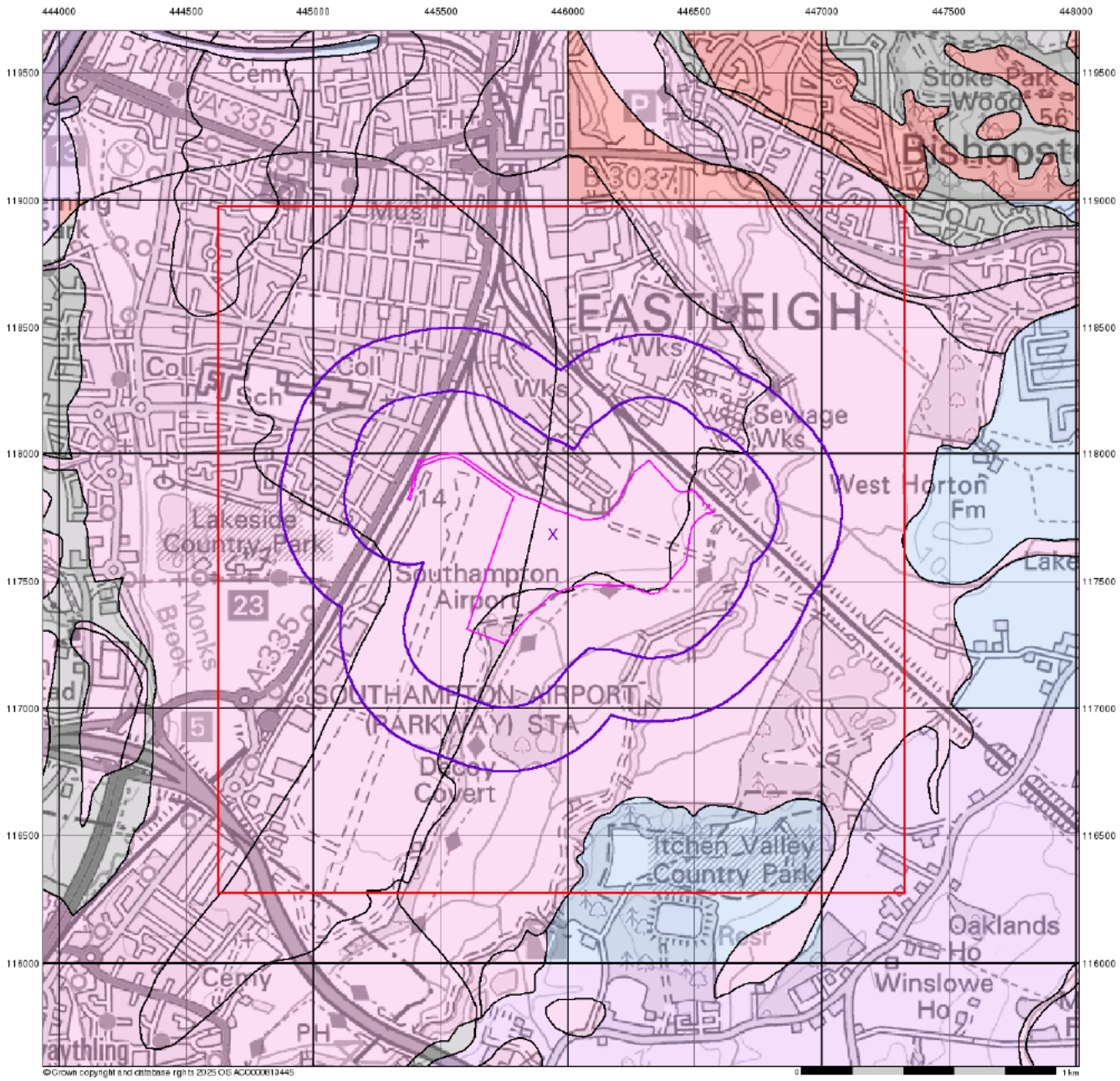
Image 17: Access into long stay car park

Image 18: Long stay car park

4362 – Navigation Quarter – Photographic Locations



Appendix C – Desk Study Data



Groundwater Vulnerability

General

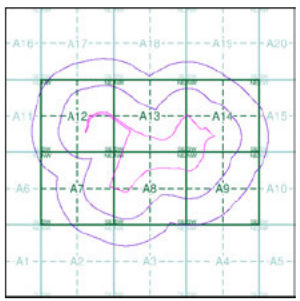
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

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



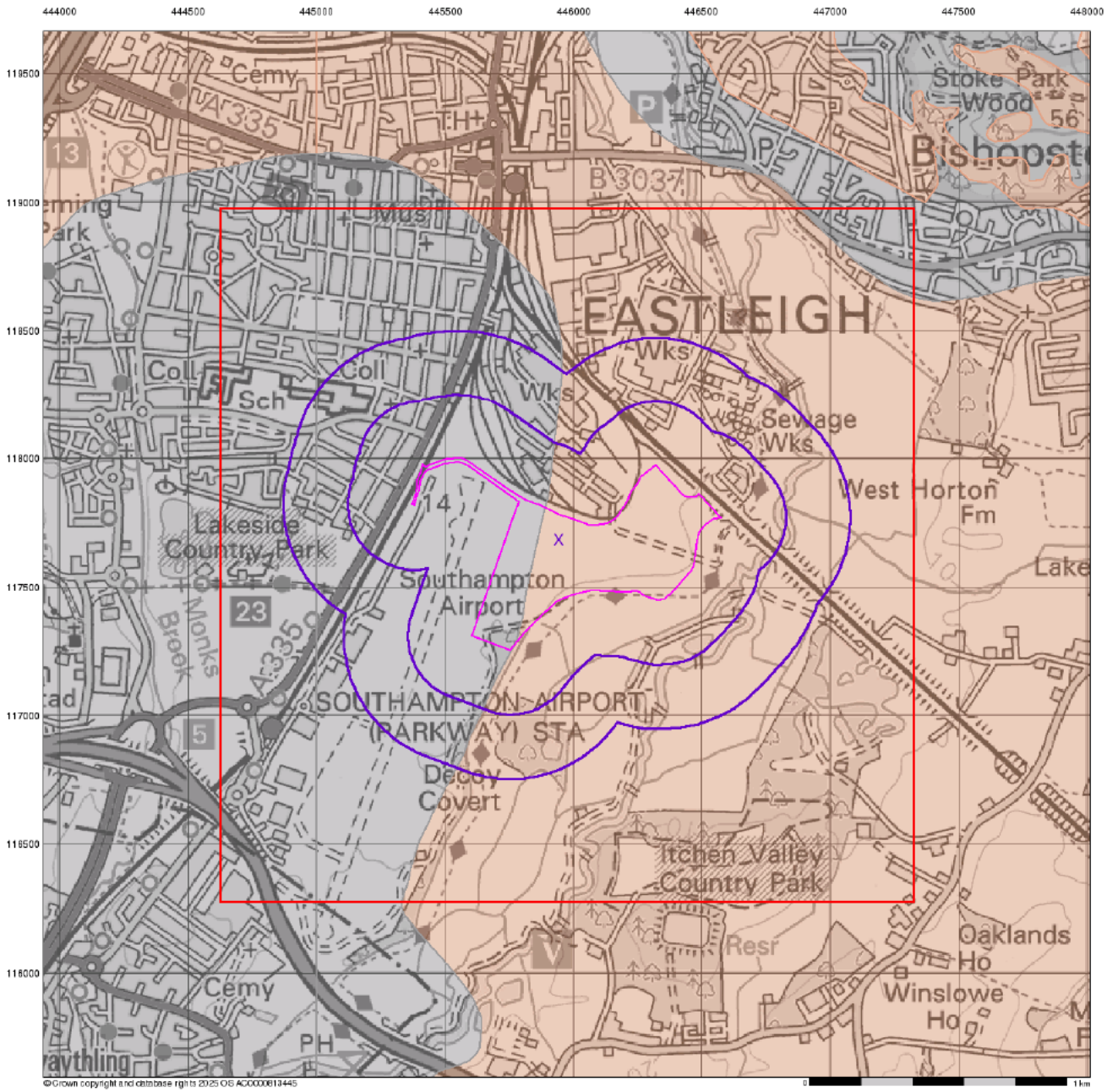
Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	500

Site Details

Mitchell Way, Southampton, SO50 5QJ

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



Bedrock Aquifer Designation

General

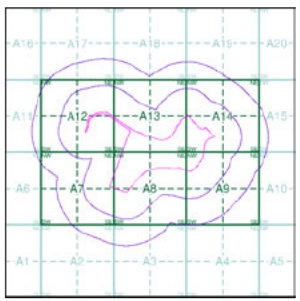
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

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



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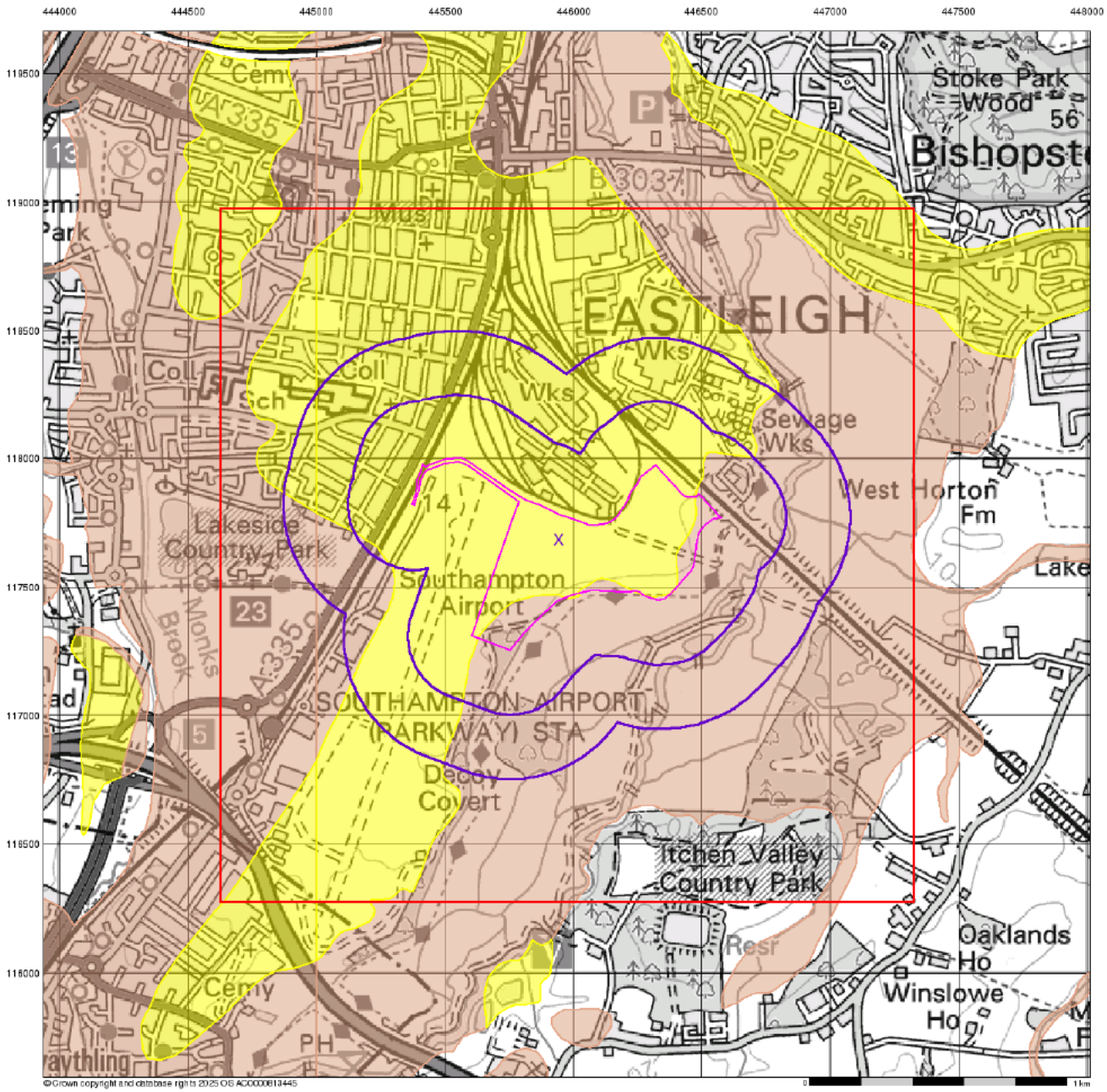


Superficial Aquifer Designation

General

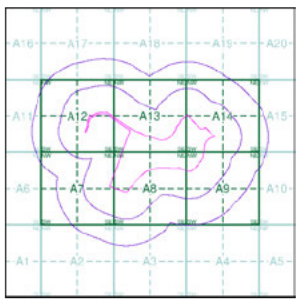
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

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



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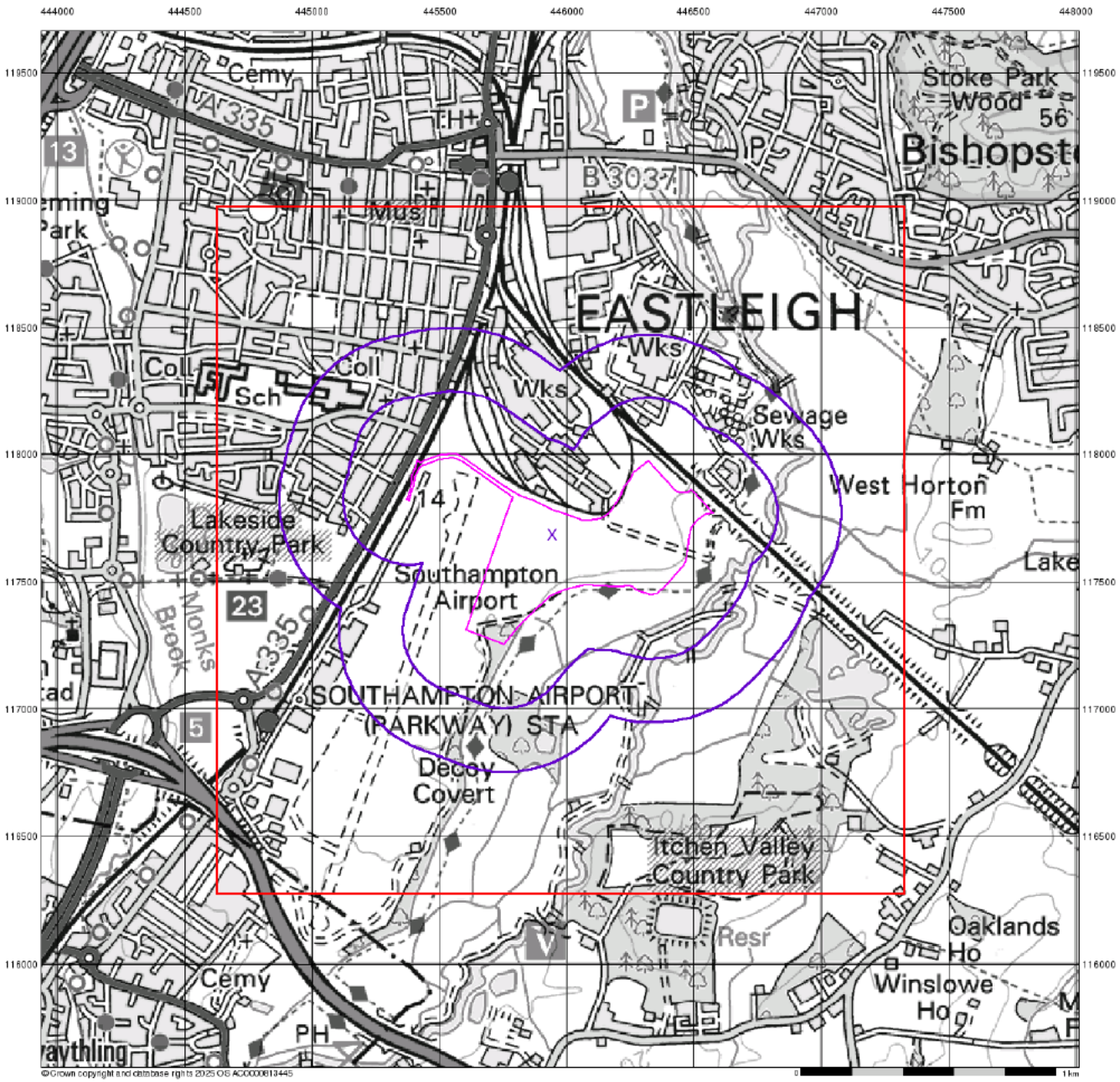


Source Protection Zones

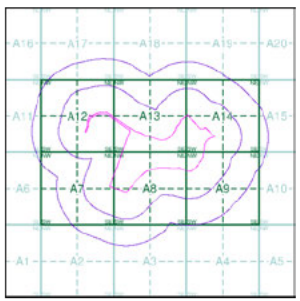
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



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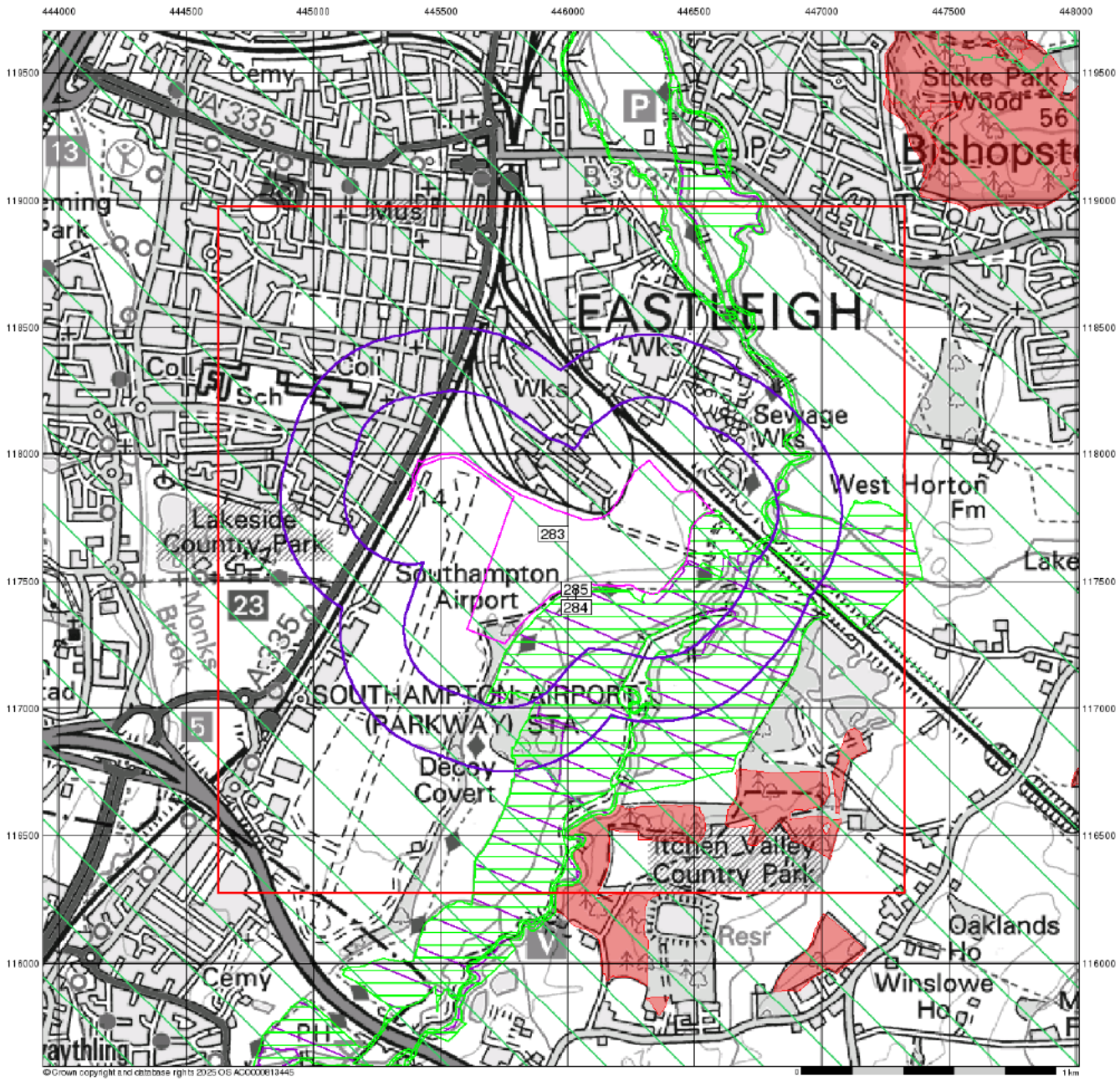


Sensitive Land Uses

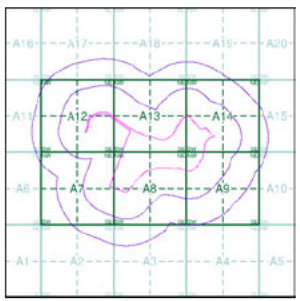
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

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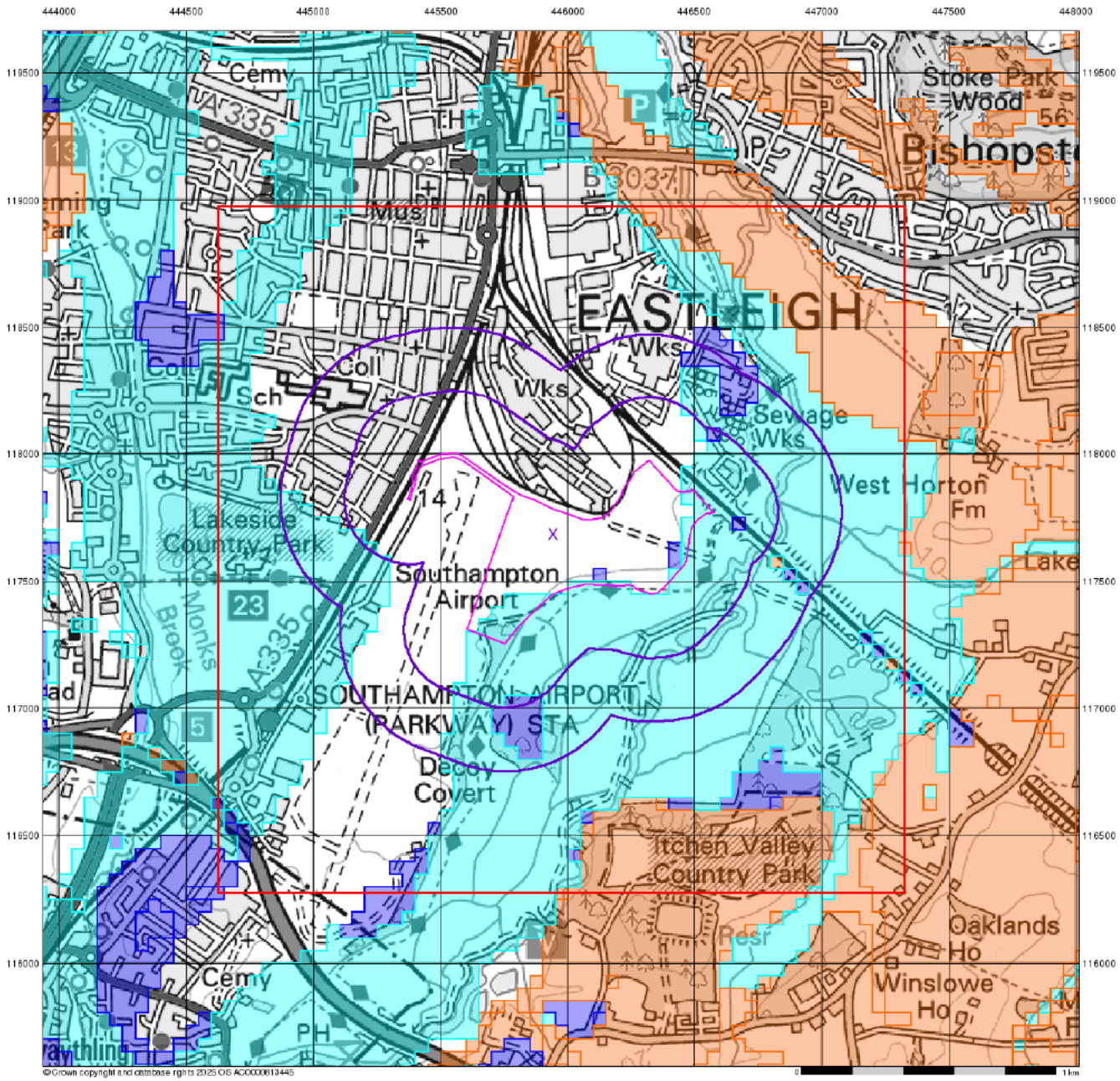


Geo2™

BGS Flood GFS Data

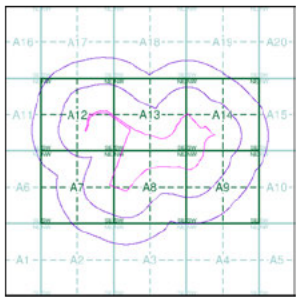
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	500

Site Details

Mitchell Way, Southampton, SO50 5QJ

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

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
366723883_1_1

Customer Reference:
4362

National Grid Reference:
445940, 117680

Slice:
A

Site Area (Ha):
32.62

Search Buffer (m):
500

Site Details:

Mitchell Way
Southampton
SO50 5QJ

Client Details:

Mr A Wilson
Geo2 Remediation Ltd
Coniston House
Louisa Street
Bradford
West Yorkshire
BD10 8NE

Contents

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Geological	44
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Introduction

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

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Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England. The probability result is only valid for properties above ground. All basement and cellar areas are considered to be at additional risk from high radon levels. If an underground room such as a cellar or basement makes up part of the living or working accommodation, the property should be tested regardless of Radon Affected Area status.

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Report Version v53.0

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
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Contaminated Land Register Entries and Notices				
Discharge Consents	pg 1		8	37
Prosecutions				
Enforcement and Prohibition Notices				
Integrated Pollution Controls	pg 12		1	6
Integrated Pollution Prevention And Control	pg 13		2	
Local Authority Integrated Pollution Prevention And Control	pg 14			1
Local Authority Pollution Prevention and Controls	pg 14		3	4
Local Authority Pollution Prevention and Control Enforcements				
Nearest Surface Water Feature	pg 15	Yes		
Pollution Incidents to Controlled Waters	pg 15		2	3
Historical Prosecutions				
Registered Radioactive Substances				
Substantiated Pollution Incident Register	pg 16	2		1
Water Abstractions	pg 16		3	
Water Industry Act Referrals				
Groundwater Vulnerability Map	pg 17	Yes	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a
Bedrock Aquifer Designations	pg 18	Yes	n/a	n/a
Superficial Aquifer Designations	pg 18	Yes	n/a	n/a
Source Protection Zones				
Extreme Flooding from Rivers or Sea without Defences	pg 19		Yes	n/a
Flooding from Rivers or Sea without Defences	pg 19		Yes	n/a
Areas Benefiting from Flood Defences				n/a
Flood Water Storage Areas				n/a
Flood Defences				n/a
OS Water Network Lines	pg 19	2	87	86
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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
Waste				
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Licensed Waste Management Facilities (Locations)	pg 40		2	3
Local Authority Landfill Coverage	pg 41	2	n/a	n/a
Local Authority Recorded Landfill Sites				
Potentially Infilled Land (Non-Water)	pg 41		3	1
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Registered Landfill Sites	pg 42		1	1
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Hazardous Substances				
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Notification of Installations Handling Hazardous Substances (NIHHS)				
Planning Hazardous Substance Consents				
Planning Hazardous Substance Enforcements				

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
Geological				
BGS 1:625,000 Solid Geology	pg 44	Yes	n/a	n/a
BGS Estimated Soil Chemistry	pg 44	Yes	Yes	
BGS Recorded Mineral Sites	pg 45	2	4	2
BGS Urban Soil Chemistry				
BGS Urban Soil Chemistry Averages				
CBSCB Compensation District			n/a	n/a
Coal Mining Affected Areas			n/a	n/a
Mining Instability			n/a	n/a
Man-Made Mining Cavities				
Natural Cavities				
Non Coal Mining Areas of Great Britain				n/a
Potential for Collapsible Ground Stability Hazards	pg 46	Yes	Yes	n/a
Potential for Compressible Ground Stability Hazards	pg 46	Yes	Yes	n/a
Potential for Ground Dissolution Stability Hazards				n/a
Potential for Landslide Ground Stability Hazards	pg 46	Yes		n/a
Potential for Running Sand Ground Stability Hazards	pg 47	Yes	Yes	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 47	Yes	Yes	n/a
Radon Potential - Radon Affected Areas	pg 47	Yes	n/a	n/a
Radon Potential - Radon Protection Measures	pg 47	Yes	n/a	n/a
Industrial Land Use				
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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
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Areas of Unadopted Green Belt				
Areas of Outstanding Natural Beauty				
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Local Nature Reserves				
Marine Nature Reserves				
National Nature Reserves				
National Parks				
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Special Protection Areas				
World Heritage Sites				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	0	1	446100 117550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	0	1	446400 117650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NE (S)	0	1	446000 117500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SE (E)	76	1	446650 117700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (NE)	198	1	446550 118050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8SW (S)	205	1	445900 117050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A7NE (W)	210	1	445300 117600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A9NE (E)	281	1	446800 117600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (NE)	309	1	446600 118150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A9NE (E)	351	1	446850 117550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SW (W)	371	1	445000 117684
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A9NE (E)	421	1	446900 117500
1	**Discharge Consents** Operator: Southampton International Airport Limited Property Type: AIR TRANSPORT/AIRPORT Location: Southampton International Airport, Wide Lane, Southampton, Hampshire, So18 2nl Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: Eprcb3999em Permit Version: 2 Effective Date: 24th July 2020 Issued Date: 24th July 2020 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Land/Soakaway Receiving Water: Groundwater **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A13SW (W)	73	2	445684 117766
2	**Discharge Consents** Operator: British Rail Property Board Property Type: Undefined Or Other Location: Eastleigh Loco. & Carriage Works, Eastleigh, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: H01213 Permit Version: 1 Effective Date: 15th April 1965 Issued Date: 15th April 1965 Revocation Date: 1st July 1991 Discharge Type: Trade Effluent Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A9NW (E)	137	2	446610 117590

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Discharge Consents** Operator: Industrial Property Investment Fund Property Type: Undefined Or Other Location: Wagon Works, Eastleigh, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: H01146 Permit Version: 1 Effective Date: 12th October 1962 Issued Date: 12th October 1962 Revocation Date: 23rd January 2006 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Saline Estuary Receiving Water: Saline Estuary **Status: Consent revoked: Discharge ceased (Water Resources Act 1991, Schedule 10 & 6)** Positional Accuracy: Located by supplier to within 100m	A9NW (E)	138	2	446610 117580
3	**Discharge Consents** Operator: British Rail Maintenance Ltd Property Type: Undefined Or Other Location: Eastleigh Works, Eastleigh, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: H01214 Permit Version: 1 Effective Date: 15th April 1965 Issued Date: 15th April 1965 Revocation Date: 1st July 1991 Discharge Type: Trade Effluent Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A9NW (E)	145	2	446600 117520
3	**Discharge Consents** Operator: Alstom Transport Renovation Property Type: Railway & Tram Vehicles Location: Eastleigh Works, Eastleigh, Hampshire Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: N00034 Permit Version: 1 Effective Date: 1st September 1986 Issued Date: 1st September 1986 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Process Effluent - Water Company (Wtw) Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater Stream Or River **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A9NW (E)	154	2	446610 117520
3	**Discharge Consents** Operator: Alstom Transport Renovation Property Type: MAKING OF OTHER TRANSPORT EQUIP/SHIPS/TRAINS/BIKES Location: Eastleigh Works, Eastleigh, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Old-River Itchen Reference: N00034 Permit Version: 1 Effective Date: 1st September 1986 Issued Date: 1st September 1986 Revocation Date: 30th October 2006 Discharge Type: Trade Effluent Discharge Environment: Lake/Reservoir - with outlet Receiving Water: Freshwater Stream Or River **Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9NW (E)	154	2	446610 117520

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Discharge Consents** Operator: Alstom Transport Renovation Property Type: MAKING OF OTHER TRANSPORT EQUIP/SHIPS/TRAINS/BIKES Location: Eastleigh Works, Eastleigh, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Old-River Itchen Reference: N00034 Permit Version: 1 Effective Date: 1st September 1986 Issued Date: 1st September 1986 Revocation Date: 30th October 2006 Discharge Type: Trade Discharge - Process Water Discharge Environment: Lake/Reservoir - with outlet Receiving Water: Freshwater Stream Or River **Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9NW (E)	154	2	446610 117520
4	**Discharge Consents** Operator: Prysmian Cables & Systems Ltd Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING Location: Pirelli Cables, Special Cables Division, Chickenhall Lane, Eastleigh Hampshire Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: P06646r Permit Version: 1 Effective Date: 1st April 1997 Issued Date: 1st April 1997 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage (Contam Surface Water, Not Tips) Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	219	2	446780 117690
5	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: Sewage Disposal Works - Water Company Location: Chickenhall Eastleigh Wwtw, Chickenhall Lane, Eastleigh, Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 12 Effective Date: 31st March 2015 Issued Date: 23rd March 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Itchen **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	254	2	446540 118110
5	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: Sewage Disposal Works - Water Company Location: Chickenhall Eastleigh Wwtw, Chickenhall Lane, Eastleigh, Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 10 Effective Date: 11th December 2009 Issued Date: 11th December 2009 Revocation Date: 22nd March 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Itchen **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	254	2	446540 118110

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: Sewage Disposal Works - Water Company Location: Chickenhall Eastleigh Wwtw, Chickenhall Lane, Eastleigh, Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 9 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: 10th December 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Itchen **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	254	2	446540 118110
6	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 14 Effective Date: 24th October 2018 Issued Date: 24th October 2018 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Itchen **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	258	2	446810 117880
6	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 14 Effective Date: 24th October 2018 Issued Date: 24th October 2018 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Itchen **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	258	2	446810 117880
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 13 Effective Date: 31st March 2015 Issued Date: 4th December 2013 Revocation Date: 23rd October 2018 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Itchen **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	268	2	446818 117888

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 13 Effective Date: 31st March 2015 Issued Date: 4th December 2013 Revocation Date: 23rd October 2018 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Itchen **Status:** **Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	268	2	446818 117888
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 12 Effective Date: 4th December 2013 Issued Date: 4th December 2013 Revocation Date: 30th March 2015 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Itchen **Status:** **Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	268	2	446818 117888
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 12 Effective Date: 4th December 2013 Issued Date: 4th December 2013 Revocation Date: 30th March 2015 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Itchen **Status:** **Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	268	2	446818 117888
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 11 Effective Date: 23rd March 2010 Issued Date: 23rd March 2010 Revocation Date: 3rd December 2013 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Itchen **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	308	2	446840 117930

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 11 Effective Date: 23rd March 2010 Issued Date: 23rd March 2010 Revocation Date: 3rd December 2013 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Itchen **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	308	2	446840 117930
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 10 Effective Date: 11th December 2009 Issued Date: 11th December 2009 Revocation Date: 22nd March 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Itchen **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	308	2	446840 117930
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 10 Effective Date: 11th December 2009 Issued Date: 11th December 2009 Revocation Date: 22nd March 2010 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Itchen **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	308	2	446840 117930
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 9 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: 10th December 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Itchen **Status:** **Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	308	2	446840 117930

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 9 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: 10th December 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Itchen **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	308	2	446840 117930
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 8 Effective Date: 31st December 2008 Issued Date: 14th September 2007 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Itchen **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	308	2	446840 117930
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 8 Effective Date: 31st December 2008 Issued Date: 14th September 2007 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Itchen **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	308	2	446840 117930
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 6 Effective Date: 20th December 2005 Issued Date: 20th December 2005 Revocation Date: 30th December 2008 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Itchen **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	308	2	446840 117930

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 6 Effective Date: 20th December 2005 Issued Date: 20th December 2005 Revocation Date: 30th December 2008 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Itchen **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	308	2	446840 117930
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 7 Effective Date: 31st December 2008 Issued Date: 30th March 2005 Revocation Date: 31st December 2008 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Itchen **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	308	2	446840 117930
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 7 Effective Date: 31st December 2008 Issued Date: 30th March 2005 Revocation Date: 31st December 2008 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Itchen **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	308	2	446840 117930
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 5 Effective Date: 31st December 2000 Issued Date: 20th December 2000 Revocation Date: 19th December 2005 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater Stream Or River **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	308	2	446840 117930

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 5 Effective Date: 31st December 2000 Issued Date: 20th December 2000 Revocation Date: 19th December 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater Stream Or River **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	308	2	446840 117930
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 4 Effective Date: 1st April 1987 Issued Date: 1st April 1987 Revocation Date: 30th December 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater Stream Or River **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	308	2	446840 117930
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 4 Effective Date: 1st April 1987 Issued Date: 1st April 1987 Revocation Date: 30th December 2000 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater Stream Or River **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	308	2	446840 117930
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: Old-River Itchen Reference: A00154 Permit Version: 3 Effective Date: 30th March 1982 Issued Date: 30th March 1982 Revocation Date: 31st March 1987 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater Stream Or River **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	308	2	446840 117930

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: Old-River Itchen Reference: A00154 Permit Version: 3 Effective Date: 30th March 1982 Issued Date: 30th March 1982 Revocation Date: 31st March 1987 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater Stream Or River **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	308	2	446840 117930
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: Old-River Itchen Reference: A00154 Permit Version: 2 Effective Date: 30th July 1979 Issued Date: 30th July 1979 Revocation Date: 29th March 1982 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater Stream Or River **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A14SE (E)	308	2	446840 117930
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: Old-River Itchen Reference: A00154 Permit Version: 2 Effective Date: 30th July 1979 Issued Date: 30th July 1979 Revocation Date: 29th March 1982 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater Stream Or River **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	308	2	446840 117930
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: Old-River Itchen Reference: A00154 Permit Version: 1 Effective Date: 22nd January 1960 Issued Date: 22nd January 1960 Revocation Date: 29th July 1979 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater Stream Or River **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	308	2	446840 117930

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Discharge Consents** Operator: Southern Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chickenhall Eastleigh Wwtw Chickenhall Lane, Eastleigh, ., Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: Old-River Itchen Reference: A00154 Permit Version: 1 Effective Date: 22nd January 1960 Issued Date: 22nd January 1960 Revocation Date: 29th July 1979 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater Stream Or River **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	308	2	446840 117930
8	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: Sewage Disposal Works - Water Company Location: Chickenhall Eastleigh Wwtw, Chickenhall Lane, Eastleigh, Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 11 Effective Date: 23rd March 2010 Issued Date: 23rd March 2010 Revocation Date: 30th March 2015 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Itchen **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14NE (NE)	276	2	446710 118030
8	**Discharge Consents** Operator: Southern Water Services Ltd (H) Property Type: Sewage Disposal Works - Water Company Location: Chickenhall Eastleigh Wwtw, Chickenhall Lane, Eastleigh, Hampshire, So50 6rq Authority: Environment Agency, Southern Region Catchment Area: River Itchen Reference: A00154 Permit Version: 8 Effective Date: 31st December 2008 Issued Date: 14th September 2007 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: The River Itchen **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14NE (NE)	276	2	446710 118030
9	**Discharge Consents** Operator: Special Cables Division Property Type: Undefined Or Other Location: Factory Site, Chickenhall Lane, Eastleigh, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P11000I Permit Version: 1 Effective Date: 30th January 1985 Issued Date: 30th January 1985 Revocation Date: 31st March 1997 Discharge Type: Trade Effluent Discharge Environment: Freshwater Stream/River Receiving Water: Freshwater River **Status: Lapsed (under Environment Act 1995, Schedule 23)** Positional Accuracy: Located by supplier to within 100m	A14SE (E)	314	2	446880 117690

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	**Discharge Consents** Operator: Southampton International Airport Limited Property Type: AIR TRANSPORT/AIRPORT Location: Southampton International Airport, Wide Lane, Southampton, Hampshire, So18 2nl Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: Eprcb3999em Permit Version: 2 Effective Date: 24th July 2020 Issued Date: 24th July 2020 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Land/Soakaway Receiving Water: Groundwater **Status:** **Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A7SW (SW)	349	2	445255 117289
11	**Discharge Consents** Operator: Southampton International Airport Limited Property Type: AIR TRANSPORT/AIRPORT Location: Southampton International Airport, Wide Lane, Southampton, Hampshire, So18 2nl Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: Eprcb3999em Permit Version: 2 Effective Date: 24th July 2020 Issued Date: 24th July 2020 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Land/Soakaway Receiving Water: Groundwater **Status:** **Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A7SW (SW)	426	2	445208 117153
12	**Discharge Consents** Operator: Southampton International Airport Limited Property Type: AIR TRANSPORT/AIRPORT Location: Southampton International Airport, Wide Lane, Southampton, Hampshire, So18 2nl Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: Eprcb3999em Permit Version: 2 Effective Date: 24th July 2020 Issued Date: 24th July 2020 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Land/Soakaway Receiving Water: Groundwater **Status:** **Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A2NE (SW)	455	2	445469 116875
13	**Integrated Pollution Controls** Name: Pirelli Cables Ltd Location: Optical Fibre Manufacturing Unit,Po Box 23,Chickenhall Lane, Eastleigh, Hampshire, So50 9nz Authority: Environment Agency, Southern Region Permit Reference: Br9073 Dated: 12th April 2002 Process Type: IPC minor (non-substantial) variation to previous variation Description: 3.3 A Mineral Fibres (non-Asbestos) within the Mineral Industry **Status:** **Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	228	2	446300 118200
14	**Integrated Pollution Controls** Name: Pirelli Cables Ltd Location: Optical Fibre Manufacturing Unit, P O Box 23, Chickenhall Lane, EASTLEIGH Hampshire, SO50 6YU Authority: Environment Agency, Southern Region Permit Reference: AV4229 Dated: 12th April 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 3.3 A Mineral Fibres (non-Asbestos) within the Mineral Industry **Status:** **Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	489	2	446351 118461

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	**Integrated Pollution Controls** Name: Pirelli Cables Ltd Location: Optical Fibre Manufacturing Unit, P O Box 23, Chickenhall Lane, EASTLEIGH Hampshire, SO50 6YU Authority: Environment Agency, Southern Region Permit Reference: Bh9779 Dated: 2nd May 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 3.3 A Mineral Fibres (non-Asbestos) within the Mineral Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Unknown	A19SW (NE)	494	2	446346 118466
14	**Integrated Pollution Controls** Name: Pirelli Cables Ltd Location: Optical Fibre Manufacturing Unit, P O Box 23, Chickenhall Lane, EASTLEIGH Hampshire, SO50 6YU Authority: Environment Agency, Southern Region Permit Reference: AX1204 Dated: 5th February 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 3.3 A Mineral Fibres (non-Asbestos) within the Mineral Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	494	2	446351 118466
14	**Integrated Pollution Controls** Name: Pirelli Cables Ltd Location: Optical Fibre Manufacturing Unit, P O Box 23, Chickenhall Lane, EASTLEIGH Hampshire, SO50 6YU Authority: Environment Agency, Southern Region Permit Reference: AQ4918 Dated: 5th April 1995 Process Type: IPC major (substantial) variation Description: 3.3 A Mineral Fibres (non-Asbestos) within the Mineral Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	494	2	446346 118466
14	**Integrated Pollution Controls** Name: Pirelli Cables Ltd Location: Optical Fibre Manufacturing Unit, Po Box 23, Chickenhall Lane, EASTLEIGH, Hampshire, SO50 6YU Authority: Environment Agency, Southern Region Permit Reference: BD8843 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 3.3 A Mineral Fibres (non-Asbestos) within the Mineral Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	499	2	446346 118471
14	**Integrated Pollution Controls** Name: Pirelli Cables Ltd Location: Optical Fibre Manufacturing Unit, P O Box 23, Chickenhall Lane, EASTLEIGH Hampshire, SO50 6YU Authority: Environment Agency, Southern Region Permit Reference: AY1706 Dated: 30th June 1997 Process Type: IPC major (substantial) variation Description: 3.3 A Mineral Fibres (non-Asbestos) within the Mineral Industry **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	499	2	446351 118471
15	**Integrated Pollution Prevention And Control** Name: Clean Power (Uk) Limited Location: Chicken Hall Lane, Chicken Hall Lane, EASTLEIGH, Hampshire, SO50 6RQ Authority: Environment Agency - South East Region, Solent & South Downs Area Permit Reference: VP3534EL Original Permit Ref: Vp3534el Effective Date: Not Supplied **Status: Valid** Application Type: Application App. Sub Type: New Positional Accuracy: Located by supplier to within 10m Activity Code: 5.1 A(1) (A) Activity Description: THE INCINERATION OF HAZARDOUS WASTE IN AN INCINERATION OR CO-INCINERATION PLANT WITH A CAPACITY EXCEEDING 10 TONNES PER DAY Primary Activity: Y Activity Code: 5.4 A(1) a) (i) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Primary Activity: N	A14NW (NE)	166	2	446540 118020

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**Integrated Pollution Prevention And Control** Name: Conrad (Bishopstoke) Limited Location: Bishopstoke Power Generation Plant, Unit 6 Riverside Ind Estate,Bishopstoke Power Generation Plant, Chickenhall Lane,,, Eastleigh, SO50 6JQ Authority: Environment Agency - South East Region, Solent & South Downs Area Permit Reference: WE9409AB Original Permit Ref: We9409ab Effective Date: 18th May 2023 **Status:** **Effective** Application Type: Not Supplied App. Sub Type: Not Supplied Positional Accuracy: Located by supplier to within 10m Activity Code: AR1 Activity Description: MCP Primary Activity: Y	A14NW (NE)	203	2	446647 117991
17	**Local Authority Integrated Pollution Prevention And Control** Name: Wessex Galvanisers Ltd Location: Tower Industrial Estate, Tower Lane, Eastleigh, SO50 5NZ Authority: Eastleigh Borough Council, Environmental Health Department Permit Reference: LA-IPPC001 Dated: 19th October 1995 Process Type: Production and Processing of Metals Description: Hot Dip Galvanising **Status:** **Permit Issued** Positional Accuracy: Located by supplier to within 10m	A18SE (N)	499	3	446095 118417
18	**Local Authority Pollution Prevention and Controls** Name: Alstom Train Services Location: Campbell Road, EASTLEIGH, Hampshire, SO50 5ZB Authority: Eastleigh Borough Council, Environmental Health Department Permit Reference: CRRV1 Dated: 25th September 1995 Process Type: Local Authority Pollution Prevention and Control Description: PG6/41 Coating and recoating of rail vehicles **Status:** **Authorisation revoked** Positional Accuracy: Manually positioned to the address or location	A13SW (NW)	97	3	445816 117950
19	**Local Authority Pollution Prevention and Controls** Name: Stoneham Service Station Location: Southampton Road, EASTLEIGH, Hampshire, SO5 5QJ Authority: Eastleigh Borough Council, Environmental Health Department Permit Reference: Upss3 Dated: 8th December 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station **Status:** **Authorisation revoked** Positional Accuracy: Automatically positioned to the address	A12SW (W)	148	3	445229 117777
20	**Local Authority Pollution Prevention and Controls** Name: Wessex Train Care Ltd Location: Eastleigh Works, Campbell Road, EASTLEIGH, Hampshire, SO50 5AD Authority: Eastleigh Borough Council, Environmental Health Department Permit Reference: Not Given Dated: 9th December 1996 Process Type: Local Authority Air Pollution Control Description: PG6/41 Coating and recoating of rail vehicles **Status:** **Authorisation has varied** Positional Accuracy: Manually positioned to the road within the address or location	A13NW (N)	185	3	445880 118013
21	**Local Authority Pollution Prevention and Controls** Name: Eastleigh Service Station (Texaco) Location: Southampton Road, EASTLEIGH, Hampshire, SO50 5QT Authority: Eastleigh Borough Council, Environmental Health Department Permit Reference: LAPPC022 Dated: 24th March 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station **Status:** **Permitted** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	324	3	445562 118324
22	**Local Authority Pollution Prevention and Controls** Name: A J Blake Ltd Location: Unit 261 Market Street, EASTLEIGH, Hampshire, SO50 5QE Authority: Eastleigh Borough Council, Environmental Health Department Permit Reference: Mcp4 Dated: 28th July 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Mobile screening and crushing processes **Status:** **Authorisation revoked** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	344	3	445498 118342

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	**Local Authority Pollution Prevention and Controls** Name: Eastleigh Concrete Plant Location: Eastleigh Depot, Tower Industrial Estate, Eastleigh, SO50 6NZ Authority: Eastleigh Borough Council, Environmental Health Department Permit Reference: LAPPC039 Dated: 16th September 2010 Process Type: Local Authority Pollution Prevention and Control Description: PG3/1Blending, packing, loading and use of bulk cement **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A18SE (N)	424	3	446066 118311
24	**Local Authority Pollution Prevention and Controls** Name: Wessex Galvanizers Ltd Location: Tower Industrial Estate, Tower Lane, EASTLEIGH, Hampshire, SO50 5NZ Authority: Eastleigh Borough Council, Environmental Health Department Permit Reference: LAIPPC001 Dated: 19th October 1995 Process Type: Local Authority Air Pollution Control Description: PG2/2 Hot dip galvanising processes **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A18SE (N)	499	3	446095 118417
	Nearest Surface Water Feature	A8NW (S)	0	-	445810 117322
25	**Pollution Incidents to Controlled Waters** Property Type: Other Transport Location: Alleyway Off York Road, Soton Road, EASTLEIGH Authority: Environment Agency, Southern Region Pollutant: Oils - Waste Oil Note: Sump Oil In Drains; Road (Road Traffic Accident) Incident Date: 15th July 1994 Incident Reference: 1367 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	89	2	445300 117900
26	**Pollution Incidents to Controlled Waters** Property Type: Industrial: Other Location: Minor Stream Close To Rail Bridge Authority: Environment Agency, Southern Region Pollutant: Oils - Diesel (Including Agricultural) Note: Oil Incident Date: 19th April 1992 Incident Reference: 34 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	106	2	446600 117900
27	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Sewage Treatment Works Location: Chickenhall Lane, EASTLEIGH Authority: Environment Agency, Southern Region Pollutant: Sewage - Treated Effluent Note: River Brown In Colour Incident Date: 13th March 1996 Incident Reference: 796115 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Water Company STW Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	258	2	446800 117900
28	**Pollution Incidents to Controlled Waters** Property Type: Miscellaneous Premises: Other Location: Lower Barton, Off Chickenhall Lane, EASTLEIGH Authority: Environment Agency, Southern Region Pollutant: Miscellaneous - Inert Suspended Solids Note: River Milky In Colour Incident Date: 22nd May 1996 Incident Reference: 796243 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NE (NE)	318	2	446700 118100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	**Pollution Incidents to Controlled Waters** Property Type: Rail Location: Campbell Road, EASTLEIGH, Hampshire Authority: Environment Agency, Southern Region Pollutant: Chemicals - Solvents Note: Fire At Eastleigh Locomotive Works Incident Date: 19th June 1997 Incident Reference: 797305 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Industrial Chemicals Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (N)	376	2	445800 118300
30	**Substantiated Pollution Incident Register** Authority: Environment Agency - Southern Region, Solent and South Downs Incident Date: 27th February 2017 Incident Reference: 1504335 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Oils And Fuel: Gas And Fuel Oils	A13SE (SE)	0	2	446014 117633
31	**Substantiated Pollution Incident Register** Authority: Environment Agency - Southern Region, Solent and South Downs Incident Date: 24th July 2007 Incident Reference: 516836 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Oils And Fuel: Gas And Fuel Oils	A13SW (NW)	0	2	445833 117772
32	**Substantiated Pollution Incident Register** Authority: Environment Agency - Southern Region, Solent and South Downs Incident Date: 28th May 2015 Incident Reference: 1340488 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Sewage Materials: Final Effluent	A14NE (E)	409	2	446863 118063
33	**Water Abstractions** Operator: The Plant Director Licence Number: 11/42/22.10/119 Permit Version: 102 Location: Itchen Carrier At Rail Workshop, Eastleigh Authority: Environment Agency, Southern Region Abstraction: Transport: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st March 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (E)	50	2	446580 117720
33	**Water Abstractions** Operator: The Plant Director Licence Number: 11/42/22.10/119 Permit Version: 101 Location: Itchen Carrier At Rail Workshop, Eastleigh Authority: Environment Agency, Southern Region Abstraction: Transport: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th July 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (E)	50	2	446580 117720

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	**Water Abstractions** Operator: Wessex Traincare Ltd Licence Number: 11/42/22.10/119 Permit Version: 100 Location: Itchen Carrier At Rail Workshop, Eastleigh Authority: Environment Agency, Southern Region Abstraction: Transport: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th September 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14SW (E)	50	2	446580 117720
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Unproductive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Mixed Dilution: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: High	A8NW (SW)	0	4	445812 117457
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Unproductive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Mixed Dilution: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: High	A13SW (W)	0	4	445861 117701
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Unproductive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Mixed Dilution: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: High	A13NW (N)	0	4	445916 118000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Mixed Dilution: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: High	A13SW (SE)	0	4	445942 117684
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Mixed Dilution: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: High	A8NW (S)	0	4	445931 117468
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Intergranular Dilution: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: Medium	A13SE (E)	0	4	446000 117684
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Intergranular Dilution: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: Medium	A8NE (SE)	0	4	446053 117507
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13SW (W)	0	4	445861 117701
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (SE)	0	4	445942 117684
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13SW (SE)	0	4	445942 117684

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A8NE (SE)	0	4	446053 117507
	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	A14SW (E)	72	2	446648 117754
	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	A8SE (S)	106	2	446102 117234
	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	A9NW (E)	128	2	446550 117450
	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	A8SE (SE)	136	2	446174 117264
	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	A8NE (SE)	157	2	446298 117296
	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	A8SE (S)	112	2	446102 117234
	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	A9NW (E)	128	2	446550 117450
	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	A8SE (SE)	136	2	446174 117264
	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	A14SE (E)	137	2	446710 117804
	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	A8NE (SE)	157	2	446298 117296
	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	A9SW (SE)	234	2	446420 117224
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
34	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8NW (S)	0	5	445937 117455

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A14SW (E)	0	5	446487 117860
36	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A14SW (E)	1	5	446483 117856
37	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 112.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A14SW (NE)	1	5	446403 117935
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 196.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8NE (S)	2	5	446001 117468
39	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8NE (SE)	2	5	446139 117482
40	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8NW (S)	4	5	445887 117396
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 60.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SW (S)	6	5	445774 117274
42	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 57.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8NW (S)	6	5	445817 117313
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8NW (S)	6	5	445945 117443

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8NW (S)	6	5	445949 117445
45	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 57.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8NW (S)	9	5	445938 117436
46	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 280.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8NE (SE)	11	5	446032 117467
47	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 339.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NW (SE)	14	5	446315 117410
48	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8NE (SE)	18	5	446036 117463
49	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8NE (SE)	18	5	446047 117465
50	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 236.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8NW (S)	26	5	445869 117347
51	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A14SW (NE)	27	5	446396 117931
52	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NW (SE)	28	5	446405 117461

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A14SW (NE)	29	5	446380 117952
54	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 232.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8NE (SE)	30	5	446045 117452
55	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 340.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SW (S)	31	5	445801 117206
56	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SW (SW)	31	5	445744 117225
57	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A14SW (NE)	32	5	446380 117957
58	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 27.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A14SW (NE)	33	5	446384 117953
59	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8NE (SE)	40	5	446303 117416
60	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 5.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 2	A8NE (SE)	40	5	446301 117417
61	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8NE (SE)	40	5	446301 117417

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8NE (SE)	40	5	446300 117417
63	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8NE (SE)	40	5	446295 117419
64	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NW (SE)	41	5	446418 117454
65	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 2	A8NE (SE)	45	5	446302 117412
66	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 112.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NW (SE)	47	5	446423 117451
67	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 122.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 2	A8NE (SE)	48	5	446301 117409
68	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 161.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A14SW (E)	54	5	446592 117717
69	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SW (SW)	71	5	445713 117194
70	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NW (E)	73	5	446537 117556

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 28.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NW (E)	74	5	446538 117555
72	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 42.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NW (SE)	77	5	446391 117384
73	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 116.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NW (E)	77	5	446482 117474
74	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NW (E)	77	5	446503 117497
75	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 36.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NW (SE)	85	5	446369 117368
76	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NW (E)	106	5	446559 117524
77	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 48.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NW (E)	113	5	446570 117530
78	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 16.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NW (SE)	119	5	446401 117342
79	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NW (SE)	121	5	446375 117332

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
80	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 17.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NW (SE)	124	5	446375 117329
81	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A14SE (E)	128	5	446673 117686
82	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 31.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NW (SE)	135	5	446378 117313
83	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 142.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NW (SE)	135	5	446407 117327
84	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 27.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A14SE (E)	135	5	446677 117681
85	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 74.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SE (SE)	141	5	446311 117281
86	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NW (E)	147	5	446622 117602
87	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 100.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 2	A9NW (SE)	150	5	446540 117420
88	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 64.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Itchen Catchment Name: Itchen Primacy: 1	A9NW (E)	150	5	446619 117563

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
89	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 196.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Itchen Catchment Name: Itchen Primacy: 1	A9NW (E)	150	5	446621 117570
90	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 22.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NW (E)	150	5	446621 117570
91	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A14SE (E)	154	5	446693 117670
92	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 31.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NW (SE)	155	5	446520 117395
93	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 61.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 2	A8NE (SE)	158	5	446257 117295
94	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 28.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Itchen Catchment Name: Itchen Primacy: 1	A9NW (E)	162	5	446613 117507
95	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A14SE (E)	162	5	446693 117658
96	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 120.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 2	A8SE (SE)	169	5	446148 117246
97	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A14SE (E)	170	5	446698 117651

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
98	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 639.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Itchen Catchment Name: Itchen Primacy: 1	A9NW (SE)	171	5	446546 117403
99	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 211.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SE (SE)	171	5	446311 117281
100	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 55.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A14SE (E)	174	5	446735 117844
101	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 68.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SW (SW)	175	5	445691 117090
102	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 24.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A14SE (E)	185	5	446706 117639
103	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 252.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Itchen Catchment Name: Itchen Primacy: 1	A9NE (E)	194	5	446718 117618
104	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 162.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SW (S)	199	5	445783 117059
105	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A14SE (E)	209	5	446781 117814
106	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SE (SE)	216	5	446275 117241

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
107	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 18.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Itchen Catchment Name: Itchen Primacy: 1	A14SE (E)	216	5	446790 117806
108	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 110.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SE (SE)	221	5	446254 117227
109	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 178.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SE (S)	232	5	445987 117151
110	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 17.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SE (S)	233	5	445982 117167
111	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 16.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 2	A14SE (E)	233	5	446806 117816
112	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 729.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Itchen Catchment Name: Itchen Primacy: 1	A14SE (E)	233	5	446806 117816
113	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 337.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Itchen Catchment Name: Itchen Primacy: 1	A9SW (SE)	233	5	446359 117216
114	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 534.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NE (E)	236	5	446713 117477
115	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SE (SE)	238	5	446148 117246

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
116	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 85.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A14SE (E)	238	5	446813 117801
117	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 259.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SE (SE)	241	5	446145 117243
118	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 186.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 2	A8SE (SE)	241	5	446136 117242
119	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SW (SW)	244	5	445663 117028
120	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 16.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SW (S)	249	5	445707 117010
121	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 184.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SW (SW)	250	5	445660 117022
122	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 24.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SW (SW)	250	5	445660 117022
123	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 154.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SW (S)	263	5	445707 116996
124	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 2	A9SW (SE)	265	5	446407 117192

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125	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 162.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9SW (SE)	271	5	446409 117186
126	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9SW (SE)	271	5	446409 117186
127	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 67.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9SW (SE)	271	5	446410 117187
128	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 64.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SW (S)	278	5	445891 117015
129	**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: Itchen Primacy: 1	A8SE (SE)	296	5	446173 117187
130	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 85.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SW (S)	310	5	445843 116960
131	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 94.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SE (SE)	312	5	446183 117168
132	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 170.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NE (E)	313	5	446854 117626
133	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 206.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A14SE (E)	315	5	446891 117774

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
134	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 16.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 2	A14SE (E)	315	5	446891 117774
135	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 272.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A3NW (S)	320	5	445657 116949
136	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 2	A14SE (E)	322	5	446899 117759
137	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 86.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 2	A14SE (E)	325	5	446901 117755
138	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 70.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SW (S)	326	5	445873 116953
139	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 117.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 2	A8SW (S)	326	5	445873 116953
140	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 59.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NE (E)	343	5	446791 117463
141	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 104.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9SW (SE)	346	5	446458 117121
142	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9SE (SE)	347	5	446679 117288

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
143	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 101.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SE (S)	350	5	446031 117012
144	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 74.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NE (SE)	351	5	446689 117293
145	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 52.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NE (SE)	351	5	446689 117293
146	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 48.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 2	A9NE (SE)	358	5	446729 117327
147	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 113.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NE (E)	360	5	446768 117378
148	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NE (E)	361	5	446795 117427
149	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 37.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9SW (SE)	361	5	446590 117177
150	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 71.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A14SE (E)	365	5	446935 117699
151	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 114.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SE (S)	371	5	446031 117012

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
152	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 106.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A14SE (E)	372	5	446939 117685
153	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 576.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9SW (SE)	372	5	446608 117178
154	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 2	A8SE (SE)	374	5	446209 117094
155	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 286.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SE (SE)	374	5	446214 117094
156	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 47.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A3NW (S)	376	5	445905 116912
157	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A3NW (S)	377	5	445806 116882
158	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 92.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SE (SE)	383	5	446204 117088
159	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 181.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9SW (SE)	383	5	446579 117141
160	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 90.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A3NW (S)	386	5	445800 116872

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
161	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 60.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9SE (SE)	395	5	446683 117219
162	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 18.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A3NE (S)	397	5	445993 116941
163	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 194.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 2	A8SE (S)	397	5	446138 117031
164	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 26.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A3NW (S)	399	5	445864 116865
165	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 184.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A3NW (S)	400	5	445672 116863
166	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 88.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 2	A9SE (SE)	401	5	446750 117288
167	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 112.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 2	A9SE (SE)	401	5	446750 117288
168	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 127.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A3NE (S)	406	5	445986 116924
169	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 51.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NE (E)	410	5	446822 117366

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
170	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NE (E)	411	5	446843 117411
171	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 28.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NE (E)	412	5	446845 117414
172	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 81.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NE (E)	415	5	446823 117365
173	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 17.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A3NW (S)	419	5	445971 116899
174	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 116.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A3NW (S)	420	5	445909 116866
175	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 42.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A2NE (SW)	430	5	445574 116862
176	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 38.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9SW (SE)	432	5	446438 117028
177	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 397.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Itchen Catchment Name: Itchen Primacy: 1	A9SW (SE)	438	5	446329 117012
178	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 50.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9SW (SE)	446	5	446477 117023

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
179	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 130.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NE (E)	450	5	446970 117552
180	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 86.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9SE (SE)	450	5	446739 117200
181	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 187.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A3NE (S)	465	5	445988 116856
182	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 63.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A10NW (E)	469	5	447020 117617
183	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 79.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9SW (SE)	470	5	446439 116990
184	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 31.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A2NE (SW)	471	5	445572 116820
185	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 49.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A3NW (S)	473	5	445856 116792
186	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NE (E)	474	5	446972 117508
187	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 43.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A3NW (S)	475	5	445820 116785

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
188	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 190.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A8SE (S)	476	5	446215 116988
189	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 2	A3NW (S)	484	5	445867 116785
190	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 15.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A3NW (S)	484	5	445882 116787
191	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 16.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NE (E)	484	5	446980 117499
192	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A3NW (S)	486	5	445882 116787
193	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 26.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NE (E)	486	5	446970 117476
194	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 20.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9SW (SE)	486	5	446343 116964
195	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 172.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NE (E)	491	5	446970 117476
196	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 85.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NE (E)	491	5	446970 117476

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
197	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 148.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9NE (E)	491	5	446902 117346
198	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 99.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A3NW (S)	493	5	445949 116799
199	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 87.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9SE (SE)	493	5	446869 117288
200	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 283.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A3NW (S)	493	5	445867 116777
201	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 126.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A3NW (S)	493	5	445867 116777
202	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A15SW (E)	494	5	447059 117664
203	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 45.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A15SW (E)	495	5	447062 117668
204	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 27.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9SW (SE)	498	5	446360 116953
205	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 146.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A2NE (S)	498	5	445577 116789

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
206	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 43.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A2NE (S)	498	5	445577 116789
207	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 80.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9SE (SE)	499	5	446861 117269
208	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 51.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Itchen Primacy: 1	A9SE (SE)	499	5	446861 117269
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Itchen WaterBody ID: GB107042022580 Operational Catchment: Itchen Management Catchment: Test and Itchen Catchment Name: Test & Itchen	A13SW (SE)	0	2	445942 117684
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Monks Brook WaterBody ID: GB107042016310 Operational Catchment: Itchen Management Catchment: Test and Itchen Catchment Name: Test & Itchen	A12NE (NW)	0	2	445560 118030
	Water Framework Directive - Groundwater Waterbody Name: Central Hants Bracklesham Group Waterbody ID: GB40702G500900 URL Address: https://environment.data.gov.uk/catchment-planning/WaterBody/GB40702G500900 Overall Rating: Good Chemical Rating: Good Quantitative Measure: Good Year: 2019	A9SE (SE)	419	2	446714 117126

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
209	**Historical Landfill Sites** Licence Holder: British Rail Location: North of Airport on BR Land, West of Southampton Road, Eastleigh, Hampshire Name: Old Gravel Pit Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD20509 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 1700/9102 BGS Ref: Not Supplied Other Ref: FEA24, E 2	A12SE (NW)	0	2	445564 117965
210	**Historical Landfill Sites** Licence Holder: H T Hughes and Sons (Transport) Limited Location: Wide Lane - Doncaster Drove, Eastleigh, Hampshire Name: Land at Lakeside Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD20590 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 1700/9094 BGS Ref: Not Supplied Other Ref: FEA34, EA 094	A12SW (W)	224	2	445189 117692
211	**Historical Landfill Sites** Licence Holder: Sir Alfred McAlpine and Son Limited Location: Wide Lane - Doncaster Drove, Eastleigh, Hampshire Name: Land at the west of Wide Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD20589 First Input Date: 19th January 1983 Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert and Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 1700/9020 BGS Ref: Not Supplied Other Ref: FEA10, 9/20	A12SW (W)	257	2	445177 117655
212	**Licensed Waste Management Facilities (Locations)** Licence Number: 408195 Location: Riverside Industrial Park, Chickenhall Lane, Eastleigh, Hampshire, SO50 6JQ Operator Name: AQUAVITRUM LIMITED Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Physical Treatment Facilities **Licence Status: Issued** Issued: 20th February 2023 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (E)	64	2	446570 117870

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
213	**Licensed Waste Management Facilities (Locations)** Licence Number: 404522 Location: Eastleigh Railworks, Campbell Road, Eastleigh, Hampshire, SO50 5AB Operator Name: HAMPSHIRE ENVIRONMENTAL SERVICES LIMITED Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Treatment of waste to produce soil <75,000 tpy **Licence Status: Surrendered** Issued: 18th January 2018 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 18th January 2018 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	239	2	446136 118132
214	**Licensed Waste Management Facilities (Locations)** Licence Number: 103992 Location: Eastleigh Rail Works, Campbell Road, Eastleigh, Hamp Operator Name: RAXSTAR LIMITED Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Metal recycling site **Licence Status: Surrendered** Issued: 28th March 2012 Last Modified: 28th March 2012 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 28th August 2024 IPPC Reference: Not Supplied Positional Accuracy: Manually positioned to the road within the address or location	A13NW (NW)	255	2	445710 118214
215	**Licensed Waste Management Facilities (Locations)** Licence Number: 100948 Location: Eastleigh Works, Campbell Road, Eastleigh, Hampshire, SO50 5AD Operator Name: KNIGHTS RAIL ENVIRONMENTAL SERVICES LIMITED Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Metal Recycling Sites (Vehicle Dismantlers) **Licence Status: Surrendered** Issued: 3rd November 2009 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 3rd November 2009 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18SW (N)	373	2	445756 118324
216	**Licensed Waste Management Facilities (Locations)** Licence Number: 404363 Location: Tower Lane, Eastleigh, Hampshire, SO50 6NZ Operator Name: AGGREGATE INDUSTRIES UK LIMITED Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Inert & Excavation Waste TS **Licence Status: Surrendered** Issued: 3rd November 2017 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 3rd November 2017 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NE (N)	390	2	446110 118301
	Local Authority Landfill Coverage Name: Eastleigh Borough Council - Has no landfill data to supply		0	6	445942 117684
	Local Authority Landfill Coverage Name: Hampshire County Council - Had landfill data but passed it to the relevant environment agency		0	7	445942 117684
217	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A13NE (N)	84	-	446083 118107

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
218	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A13NE (NE)	110	-	446286 118085
219	**Potentially Infilled Land (Non-Water)** Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A12NE (NW)	147	-	445616 118138
220	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A14NW (NE)	320	-	446644 118142
221	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A14NW (NE)	99	-	446354 118067
222	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A14NW (NE)	279	-	446416 118235
223	**Registered Landfill Sites** Licence Holder: Sir Alfred Macalpine & Sons Ltd Licence Reference: 9/ 20 Site Location: West Of Wide Lane &, North Of Doncaster Drove, Swaythling, Southampton, Hampshire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: The Oaks Hooton, Little Sutton, Ellesmere Port, Cheshire, Ch66 7nd Authority: Environment Agency - Southern Region, Hampshire Area Site Category: Landfill Max Input Rate: Undefined Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 19th January 1983 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste: Excavated Natural Materials $ Household Waste Prohibited Waste: Biodegradable/Putrescible Waste Chemical Wastes Food Waste Hazardous Wastes Liquid Wastes Phenols, Analogues/Derivatives Poisonous, Noxious, Polluting Wastes Sludge Wastes Special Wastes	A12SW (W)	237	2	445182 117677

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Registered Landfill Sites				
224	Licence Holder: H T Hughes & Sons (Transport) Ltd Licence Reference: EA 094 Site Location: Lakeside Wide Lane, Eastleigh, Hampshire Licence Easting: 445100 Licence Northing: 117620 Operator Location: Warren Farm, Down End Road, FAREHAM, Hampshire, PO17 6AL Authority: Environment Agency - Southern Region, Hampshire 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 has completion certificateSurrendered Dated: 1st May 1994 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: Max.Waste Permitted By Licence Sand,Chalk,Grav,Nat.Occ.Earth Spoils Prohibited Waste: Biodegradable Waste Contam. Solid Land Clearance Waste Food Waste Liquid/Slurry/Sludge Wastes Paper/Cardboard/Packaging Plasterboard/Plaster Special Wastes Timber Vegetable Matter Waste N.O.S.	A7NW (W)	338	2	445100 117620

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Bracklesham Group And Barton Group (Undifferentiated)	A13SW (SE)	0	1	445942 117684
	BGS 1:625,000 Solid Geology Description: Thames Group	A13SW (W)	0	1	445862 117707
	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	A13SW (SE)	0	1	445942 117684
	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	A8NW (S)	0	1	445931 117468
	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	A8NE (SE)	0	1	446053 117507
	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 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9NW (E)	73	1	446500 117500
	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	A8SW (SW)	139	1	445689 117130

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
225	**BGS Recorded Mineral Sites** Site Name: North Stoneham Farm Gravel Pit Location: North Stoneham, Eastleigh, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162025 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits, 1 Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	0	1	445808 117399
226	**BGS Recorded Mineral Sites** Site Name: Chicken Hall Farm Gravel Pit Location: Eastleigh, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162027 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits (Undifferentiated) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	0	1	445542 118001
227	**BGS Recorded Mineral Sites** Site Name: Chicken Hall Farm Gravel Pit Location: Eastleigh, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162017 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits (Undifferentiated) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	92	1	446266 118046
228	**BGS Recorded Mineral Sites** Site Name: Chicken Hall Farm Clay Pit Location: Eastleigh, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162019 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits (Undifferentiated) Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	143	1	445615 118134
229	**BGS Recorded Mineral Sites** Site Name: Chicken Hall Farm Gravel Pit Location: Eastleigh, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162016 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits (Undifferentiated) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	194	1	446234 118146
230	**BGS Recorded Mineral Sites** Site Name: Chicken Hall Farm Gravel Pit Location: Eastleigh, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162028 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits (Undifferentiated) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	227	1	446150 118128

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
231	**BGS Recorded Mineral Sites** Site Name: Chicken Hall Farm Gravel Pit Location: Eastleigh, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162018 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits (Undifferentiated) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A14NE (NE)	325	1	446651 118144
232	**BGS Recorded Mineral Sites** Site Name: Eastleigh Rail Depot Location: Eastleigh, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 10986 Type: Rail Depot **Status: Active** Operator: Aggregate Industries Uk Operator Location: Not Supplied Periodic Type: Not Available Geology: Quarry (Hard Rock) Commodity: Crushed Rock Positional Accuracy: Located by supplier to within 10m	A13NE (N)	381	1	446110 118290
	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				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8NE (S)	0	1	445989 117457
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NW (S)	0	1	445931 117468
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NE (SE)	0	1	446053 117507
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	445942 117684
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A7NW (W)	217	1	445297 117577
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A8NE (S)	0	1	445989 117457
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A14SW (E)	0	1	446436 117848
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	445942 117684
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A14NW (NE)	173	1	446551 118023
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	445942 117684
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	445942 117684

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	445942 117684
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NE (SE)	0	1	446053 117507
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NW (S)	0	1	445931 117468
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A8NE (S)	0	1	445989 117457
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A7NW (W)	217	1	445297 117577
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8NE (SE)	0	1	446053 117507
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8NW (S)	0	1	445931 117468
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	445942 117684
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A8NE (SE)	0	1	446052 117447
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A9NW (E)	0	1	446410 117501
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NE (S)	0	1	445989 117457
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A14SW (E)	89	1	446640 117695
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A7NW (W)	217	1	445297 117577
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A9SW (SE)	224	1	446533 117228
	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	A13SW (W)	0	1	445900 117700
	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	A13SW (SE)	0	1	445942 117684
	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	A13SW (W)	0	1	445900 117700
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	445942 117684

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
233	**Contemporary Trade Directory Entries** Name: The Furniture Doctor Location: 334, Southampton Road, Eastleigh, Hampshire, SO50 5QH Classification: Furniture - Repairing & Restoring **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	51	-	445364 117998
234	**Contemporary Trade Directory Entries** Name: X B R Electronics Ltd Location: Campbell Road, EASTLEIGH, Hampshire, SO50 5AE Classification: Electronic Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (N)	129	-	445881 117949
234	**Contemporary Trade Directory Entries** Name: Brite Group Location: 58, Campbell Road, Eastleigh, Hampshire, SO50 5AE Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (N)	155	-	445929 117961
235	**Contemporary Trade Directory Entries** Name: Stoneham Service Station Location: Southampton Road, Eastleigh, Hampshire, SO50 5QJ Classification: Petrol Filling Stations - 24 Hour **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	148	-	445229 117777
236	**Contemporary Trade Directory Entries** Name: Prolevel-Live Location: Campbell Road, Eastleigh, Hampshire, SO50 5AB Classification: Sound Equipment Systems Manufacturers **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A13NW (N)	185	-	445892 118005
237	**Contemporary Trade Directory Entries** Name: Parkway Car Sales Ltd Location: Southampton Road, EASTLEIGH, Hampshire, SO50 5QT Classification: Car Dealers - Used **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	216	-	445510 118214
237	**Contemporary Trade Directory Entries** Name: Bts Garage Services Location: Southampton Rd, Eastleigh, Hampshire, SO50 5QT Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12NE (NW)	226	-	445494 118223
237	**Contemporary Trade Directory Entries** Name: K P G Waste Services Location: 311, Market Street, Eastleigh, Hampshire, SO50 5QE Classification: Waste Disposal Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	249	-	445472 118243
238	**Contemporary Trade Directory Entries** Name: Sparkle & Gleam Location: 283, Desborough Road, Eastleigh, Hampshire, SO50 5NG Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (NW)	250	-	445268 118182
239	**Contemporary Trade Directory Entries** Name: Hydrodynamix Cleaning Services Location: High St, Eastleigh, Hants, SO50 5NB Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12NE (NW)	275	-	445398 118252
240	**Contemporary Trade Directory Entries** Name: Texaco Location: Southampton Road, Eastleigh, SO50 5QT Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	276	-	445539 118276
240	**Contemporary Trade Directory Entries** Name: Eastleigh Service Station Location: Southampton Road, Eastleigh, Hampshire, SO50 5QT Classification: Petrol Filling Stations - 24 Hour **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	276	-	445539 118276

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
241	**Contemporary Trade Directory Entries** Name: Grove Press Location: 260, High Street, Eastleigh, Hampshire, SO50 5NA Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	314	-	445419 118299
242	**Contemporary Trade Directory Entries** Name: Scroll Gates Location: Unit 2, Southampton Road, Eastleigh, SO50 5QT Classification: Gate Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	323	-	445562 118323
242	**Contemporary Trade Directory Entries** Name: Master Tech Autos Ltd Location: Southampton Road, Eastleigh, Hampshire, SO50 5QT Classification: Air Conditioning & Refrigeration Contractors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	324	-	445562 118324
242	**Contemporary Trade Directory Entries** Name: M R Exhaust Location: Southampton Rd, Eastleigh, Hampshire, SO50 5QT Classification: Exhaust & Shock Absorber Centres **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	343	-	445550 118344
243	**Contemporary Trade Directory Entries** Name: Rupert Vernon-Smith Location: The Old Fire Station,1a Derby Road, Eastleigh, Hampshire, SO50 5QD Classification: Jewellery Manufacturers & Repairers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	376	-	445480 118372
243	**Contemporary Trade Directory Entries** Name: Trident Property Preservation Ltd Location: 2, Derby Road, Eastleigh, Hampshire, SO50 5QA Classification: Woodworm Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	407	-	445477 118403
244	**Contemporary Trade Directory Entries** Name: Alstom Transport Location: Campbell Road, Eastleigh, Hampshire, SO50 5AD Classification: Railways **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	424	-	445677 118408
245	**Contemporary Trade Directory Entries** Name: Draka Uk Ltd Location: Chickenhall Lane, Eastleigh, Hampshire, SO50 6YU Classification: Wire Products - Manufacturers **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A19SW (NE)	443	-	446331 118416
245	**Contemporary Trade Directory Entries** Name: Prysmain Cables & Systems Location: PRYSMIAN CABLES LTD, CHICKENHALL LANE, EASTLEIGH, SO50 6YU Classification: Wire Products - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	470	-	446309 118442
246	**Contemporary Trade Directory Entries** Name: Matisa Uk Ltd Location: Eastleigh Works, Campbell Road, Eastleigh, SO50 5AD Classification: Railway Equipment Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	449	-	445896 118323
246	**Contemporary Trade Directory Entries** Name: P W Patterns Location: Unit 11b Eastleigh Rail Works,Campbell Road, Eastleigh, Hampshire, SO50 5AD Classification: Pattern Makers - Industrial **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (N)	450	-	445896 118323

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
247	**Contemporary Trade Directory Entries** Name: T L Jetclean Location: 265, Chamberlayne Road, Eastleigh, Hampshire, SO50 5HX Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	471	-	445128 118353
248	**Fuel Station Entries** Name: Stoneham Esso Express Location: Southampton Road , Eastleigh , Southampton, Hampshire, SO50 5QJ Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Automatically positioned to the address	A12SW (W)	148	-	445229 117777
249	**Fuel Station Entries** Name: Eastleigh Service Station Location: 109, Southampton Road , Eastleigh , Southampton, Hampshire, SO50 5QT Brand: TEXACO Premises Type: Petrol Station **Status: Open** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	276	-	445539 118276
250	**Points of Interest - Commercial Services** Name: Eastleigh Service Station Location: Southampton Road, Eastleigh, SO50 5QT Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12NE (NW)	221	8	445513 118220
251	**Points of Interest - Commercial Services** Name: K P G Waste Services Location: 311 Market Street, Eastleigh, SO50 5QE Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A12NE (NW)	248	8	445472 118242
251	**Points of Interest - Commercial Services** Name: G H Rigby Location: 288 High Street, Eastleigh, SO50 5NA Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12NE (NW)	259	8	445411 118240
252	**Points of Interest - Commercial Services** Name: Eastleigh Service Station Location: 109 Southampton Road, Eastleigh, SO50 5QT Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12NE (NW)	275	8	445538 118276
252	**Points of Interest - Commercial Services** Name: Car Wash Location: Southampton Road, Eastleigh, SO50 5QT Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12NE (NW)	276	8	445539 118276
252	**Points of Interest - Commercial Services** Name: Scroll Gates Location: Southampton Road, Eastleigh, SO50 5QT Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A17SE (NW)	324	8	445562 118324
252	**Points of Interest - Commercial Services** Name: Scroll Gates Location: Southampton Road, Eastleigh, SO50 5QT Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A17SE (NW)	324	8	445562 118324
253	**Points of Interest - Commercial Services** Name: Trident Property Preservation Ltd Location: 2 Derby Road, Eastleigh, SO50 5QA Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A17SE (NW)	407	8	445477 118403

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
253	**Points of Interest - Commercial Services** Name: Trident Property Preservation Ltd Location: 2 Derby Road, Eastleigh, SO50 5QA Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A17SE (NW)	407	8	445477 118403
253	**Points of Interest - Commercial Services** Name: Frozen Drinks (Southern) Ltd Location: 12 Derby Road, Eastleigh, SO50 5LY Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A17SE (NW)	435	8	445390 118416
254	**Points of Interest - Manufacturing and Production** Name: Tank Location: SO18 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SE (NE)	12	8	446249 117926
255	**Points of Interest - Manufacturing and Production** Name: Tank Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SW (NW)	18	8	445875 117834
255	**Points of Interest - Manufacturing and Production** Name: Tank Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SW (NW)	23	8	445862 117843
256	**Points of Interest - Manufacturing and Production** Name: Tank Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SE (NE)	23	8	446013 117781
256	**Points of Interest - Manufacturing and Production** Name: Tank Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SE (NE)	26	8	446004 117788
257	**Points of Interest - Manufacturing and Production** Name: Riverside Industrial Park Location: SO50 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	82	8	446576 117890
258	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (NE)	161	8	446090 117957
258	**Points of Interest - Manufacturing and Production** Name: Works Location: SO50 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (N)	198	8	446015 117966
259	**Points of Interest - Manufacturing and Production** Name: Factory Location: SO50 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	218	8	446123 118095
260	**Points of Interest - Manufacturing and Production** Name: Eastleigh Works Location: SO50 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NW (N)	235	8	445794 118133

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
260	**Points of Interest - Manufacturing and Production** Name: Tank Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13NW (N)	287	8	445781 118205
260	**Points of Interest - Manufacturing and Production** Name: Tanks Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (N)	287	8	445781 118205
261	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	243	8	446280 118212
261	**Points of Interest - Manufacturing and Production** Name: Works Location: SO50 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	243	8	446280 118212
262	**Points of Interest - Manufacturing and Production** Name: Tanks Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (N)	277	8	446005 118060
262	**Points of Interest - Manufacturing and Production** Name: Tank Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (N)	313	8	446015 118120
263	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (N)	329	8	446136 118244
263	**Points of Interest - Manufacturing and Production** Name: Works Location: SO50 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (N)	329	8	446136 118244
263	**Points of Interest - Manufacturing and Production** Name: Tank Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13NE (N)	332	8	446149 118257
263	**Points of Interest - Manufacturing and Production** Name: Tank Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13NE (N)	334	8	446145 118256
263	**Points of Interest - Manufacturing and Production** Name: Tank Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13NE (N)	362	8	446110 118267
263	**Points of Interest - Manufacturing and Production** Name: Tank Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A13NE (N)	363	8	446107 118266

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
263	**Points of Interest - Manufacturing and Production** Name: Tanks Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (N)	369	8	446108 118274
264	**Points of Interest - Manufacturing and Production** Name: Tank Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	342	8	446392 118308
264	**Points of Interest - Manufacturing and Production** Name: Tanks Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	369	8	446386 118336
264	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	418	8	446324 118391
264	**Points of Interest - Manufacturing and Production** Name: Works Location: SO50 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	419	8	446324 118392
264	**Points of Interest - Manufacturing and Production** Name: Tank Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A19SW (NE)	439	8	446431 118398
264	**Points of Interest - Manufacturing and Production** Name: Tank Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A19SW (NE)	443	8	446432 118402
264	**Points of Interest - Manufacturing and Production** Name: Tank Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A19SW (NE)	447	8	446434 118406
265	**Points of Interest - Manufacturing and Production** Name: Tanks Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NE (N)	372	8	445995 118187
265	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (N)	403	8	446014 118245
266	**Points of Interest - Manufacturing and Production** Name: Tank Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SW (N)	389	8	445788 118323
266	**Points of Interest - Manufacturing and Production** Name: Tank Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A18SW (N)	392	8	445781 118331

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
266	**Points of Interest - Manufacturing and Production** Name: Tanks Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	393	8	445789 118328
267	**Points of Interest - Manufacturing and Production** Name: Tank Location: SO18 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NW (W)	399	8	445220 117452
268	**Points of Interest - Manufacturing and Production** Name: Works Location: SO50 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	448	8	445902 118317
268	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	451	8	445909 118316
269	**Points of Interest - Manufacturing and Production** Name: Tank Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A19SW (NE)	452	8	446435 118410
269	**Points of Interest - Manufacturing and Production** Name: Tank Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A19SW (NE)	455	8	446436 118413
269	**Points of Interest - Manufacturing and Production** Name: Tanks Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	456	8	446428 118416
269	**Points of Interest - Manufacturing and Production** Name: Tank Location: SO50 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A19SW (NE)	458	8	446438 118416
270	**Points of Interest - Public Infrastructure** Name: Sluice Location: SO18 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9NW (E)	152	8	446625 117590
270	**Points of Interest - Public Infrastructure** Name: Sluice Location: SO18 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9NW (E)	156	8	446630 117590
271	**Points of Interest - Public Infrastructure** Name: Sluice Location: SO50 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	241	8	446815 117810
272	**Points of Interest - Public Infrastructure** Name: Sluice Location: SO18 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	271	8	445886 117020

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
272	**Points of Interest - Public Infrastructure** Name: Sluice Location: SO30 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	327	8	445879 116954
272	**Points of Interest - Public Infrastructure** Name: Sluice Location: SO30 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	329	8	445887 116956
273	**Points of Interest - Public Infrastructure** Name: Texaco Location: 109 Southampton Road, Eastleigh, SO50 5QT Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NE (NW)	275	8	445538 118276
273	**Points of Interest - Public Infrastructure** Name: Eastleigh Service Station Location: Southampton Road, Eastleigh, SO50 5QT Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NE (NW)	275	8	445538 118276
273	**Points of Interest - Public Infrastructure** Name: Eastleigh Sstn Location: Southampton Road, Eastleigh, SO50 5QT Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NE (NW)	276	8	445539 118276
274	**Points of Interest - Public Infrastructure** Name: Sewage Works Location: SO50 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A19SW (NE)	375	8	446473 118316
274	**Points of Interest - Public Infrastructure** Name: Sewage Works Location: SO50 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A19SW (NE)	375	8	446472 118316
274	**Points of Interest - Public Infrastructure** Name: Filter Beds Location: SO50 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	414	8	446485 118353
275	**Points of Interest - Public Infrastructure** Name: Sluice Location: SO30 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SE (SE)	383	8	446226 117081
275	**Points of Interest - Public Infrastructure** Name: Sluice Location: SO30 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SE (SE)	385	8	446222 117081
276	**Points of Interest - Public Infrastructure** Name: Sewage Works Location: SO50 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A14NW (NE)	438	8	446643 118272
277	**Points of Interest - Public Infrastructure** Name: Slurry Beds Location: SO50 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	487	8	446572 118391

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
278	**Points of Interest - Public Infrastructure** Name: Sewage Pumping Station Location: SO50 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A11NE (W)	489	8	444919 118041
278	**Points of Interest - Public Infrastructure** Name: Sewage Pumping Station Location: SO50 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A11NE (W)	490	8	444918 118041
279	**Points of Interest - Public Infrastructure** Name: Sluice Location: SO18 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A3NW (S)	492	8	445961 116810
279	**Points of Interest - Public Infrastructure** Name: Sluice Location: SO18 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A3NW (S)	495	8	445962 116808
280	**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	A13SE (NE)	35	8	446156 117813
280	**Points of Interest - Recreational and Environmental** Name: Playground Location: Campbell Road, SO50 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A13SE (NE)	37	8	446155 117814
281	**Points of Interest - Recreational and Environmental** Name: Play Area Location: SO50 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	339	8	445453 118331
282	**Points of Interest - Recreational and Environmental** Name: Play Area Location: SO50 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	354	8	445057 118032

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
283	**Nitrate Vulnerable Zones** Name: Hamble Estuary Eutrophic Nvz (Trac) Description: Eutrophic Water Source: Environment Agency, Head Office	A13SW (SE)	0	4	445942 117684
284	**Sites of Special Scientific Interest** Name: River Itchen Multiple Areas: Y Total Area (m2): 7484309.05 Source: Natural England Reference: 2000227 Designation Details: Special Area Of Conservation Designation Date: 16th August 2000 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 16th August 2000 Date Type: Notified Designation Details: Water Framework Directive (WFD) Designation Date: 16th August 2000 Date Type: Notified	A8NE (SE)	0	9	446032 117467
285	**Special Areas of Conservation** Name: River Itchen Multiple Areas: Y Total Area (m2): 3039927.93 Source: Natural England Reference: UK0012599 **Status: Designated**	A8NE (SE)	7	9	446032 117467

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Environment Agency - Head Office	November 2023	Annually
Southampton City Council - Environmental Health Services Pollution And Safety	October 2017	Annual Rolling Update
Eastleigh Borough Council - Environmental Health Department	September 2017	Annual Rolling Update
Test Valley Borough Council - Housing and Environmental Health Service	September 2017	Annual Rolling Update
Winchester City Council - Environmental Health Department	September 2017	Annual Rolling Update
Discharge Consents		
Environment Agency - Southern Region	October 2024	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - Southern Region	March 2013	
Integrated Pollution Controls		
Environment Agency - Southern Region	January 2009	
Integrated Pollution Prevention And Control		
Environment Agency - South East Region - Solent & South Downs Area	October 2024	Quarterly
Environment Agency - Southern Region	October 2024	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Southampton City Council - Environmental Health Services Pollution And Safety	August 2014	Variable
Winchester City Council - Environmental Health Department	December 2014	Variable
Eastleigh Borough Council - Environmental Health Department	September 2014	Variable
Test Valley Borough Council - Housing and Environmental Health Service	September 2014	Variable
Local Authority Pollution Prevention and Controls		
Southampton City Council - Environmental Health Services Pollution And Safety	August 2014	Not Applicable
Winchester City Council - Environmental Health Department	December 2020	Annual Rolling Update
Eastleigh Borough Council - Environmental Health Department	September 2014	Annual Rolling Update
Test Valley Borough Council - Housing and Environmental Health Service	September 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Southampton City Council - Environmental Health Services Pollution And Safety	August 2014	Variable
Winchester City Council - Environmental Health Department	December 2014	Variable
Eastleigh Borough Council - Environmental Health Department	September 2014	Variable
Test Valley Borough Council - Housing and Environmental Health Service	September 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	October 2024	
Pollution Incidents to Controlled Waters		
Environment Agency - Southern Region	December 1999	
Historical Prosecutions		
Environment Agency, Southern Region	March 2013	Not Applicable
Registered Radioactive Substances		
Environment Agency - Head Office	May 2023	
Environment Agency - Southern Region	May 2023	
Substantiated Pollution Incident Register		
Environment Agency - South East Region - Solent & South Downs Area	October 2024	Quarterly
Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office	October 2024	Quarterly
Environment Agency - Southern Region - Solent and South Downs	October 2024	Quarterly
Water Abstractions		
Environment Agency - Southern Region	October 2024	Quarterly
Water Industry Act Referrals		
Environment Agency - Southern Region	October 2017	
Groundwater Vulnerability Map		
Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations		
Environment Agency - Head Office	January 2018	As notified

Agency & Hydrological	Version	Update Cycle
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	As notified
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	As notified
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	
Flood Water Storage Areas Environment Agency - Head Office	January 2024	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	
OS Water Network Lines Ordnance Survey	October 2024	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
Water Framework Directive - Catchment Environment Agency - Head Office	July 2024	Annually
Water Framework Directive - Groundwater Environment Agency - Head Office	July 2024	Annually

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	October 2024	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Southern Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - South East Region - Solent & South Downs Area	November 2024	Quarterly
Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office	November 2024	Quarterly
Environment Agency - Southern Region - Solent and South Downs	November 2024	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - South East Region - Solent & South Downs Area	October 2024	Quarterly
Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office	October 2024	Quarterly
Environment Agency - Southern Region - Solent and South Downs	October 2024	Quarterly
Local Authority Landfill Coverage		
Eastleigh Borough Council	February 2003	Not Applicable
Hampshire County Council - Minerals and Waste Planning	February 2003	Not Applicable
Southampton City Council - Environmental Health Services Pollution And Safety	February 2003	Not Applicable
Test Valley Borough Council - Environmental Protection Team	February 2003	Not Applicable
Winchester City Council - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Eastleigh Borough Council	October 2018	
Hampshire County Council - Minerals and Waste Planning	October 2018	
Southampton City Council - Environmental Health Services Pollution And Safety	October 2018	
Test Valley Borough Council - Environmental Protection Team	October 2018	
Winchester City Council - Environmental Health 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 - Southern Region - Hampshire Area	March 2006	Not Applicable
Environment Agency - Southern Region - Solent and South Downs	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Southern Region - Hampshire Area	April 2018	
Environment Agency - Southern Region - Solent and South Downs	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - Southern Region - Hampshire Area	June 2015	
Environment Agency - Southern Region - Solent and South Downs	June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	September 2024	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Southampton City Council - Development Control	February 2016	Variable
Eastleigh Borough Council	February 2023	Variable
Hampshire County Council - Minerals and Waste Planning	July 2023	Variable
Test Valley Borough Council - Environmental Protection Team	June 2023	Variable
Winchester City Council - Planning Department	June 2023	Variable
Planning Hazardous Substance Consents		
Eastleigh Borough Council	February 2016	Variable
Hampshire County Council - Minerals and Waste Planning	February 2016	Variable
Southampton City Council - Development Control	February 2016	Variable
Test Valley Borough Council - Environmental Protection Team	November 2015	Variable
Winchester City Council - Planning Department	October 2015	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	March 2024	Bi-Annually
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	
Cheshire Brine Subsidence Compensation Board (CBSCB)	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	November 2024	Annually
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	November 2024	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	December 2024	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2024	Quarterly
Points of Interest - Commercial Services PointX	December 2024	Quarterly
Points of Interest - Education and Health PointX	December 2024	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2024	Quarterly
Points of Interest - Public Infrastructure PointX	December 2024	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2024	Quarterly
Underground Electrical Cables National Grid	January 2024	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	November 2024	Bi-Annually
Areas of Adopted Green Belt		
Eastleigh Borough Council	July 2024	Quarterly
Southampton City Council	July 2024	Quarterly
Test Valley Borough Council - Environmental Protection Team	July 2024	Quarterly
Winchester City Council	July 2024	Quarterly
Areas of Unadopted Green Belt		
Eastleigh Borough Council	July 2024	Quarterly
Southampton City Council	July 2024	Quarterly
Test Valley Borough Council - Environmental Protection Team	July 2024	Quarterly
Winchester City Council	July 2024	Quarterly
Areas of Outstanding Natural Beauty		
Natural England	November 2024	Bi-Annually
Environmentally Sensitive Areas		
Natural England	August 2023	
Forest Parks		
Forestry Commission	May 2023	Not Applicable
Local Nature Reserves		
Natural England	August 2024	Bi-Annually
Marine Nature Reserves		
Natural England	August 2024	Bi-Annually
National Nature Reserves		
Natural England	August 2024	Bi-Annually
National Parks		
Natural England	September 2024	Bi-Annually
Nitrate Sensitive Areas		
Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	
Environment Agency - Head Office	November 2024	Bi-Annually
Ramsar Sites		
Natural England	August 2024	Bi-Annually
Sites of Special Scientific Interest		
Natural England	April 2024	Bi-Annually
Special Areas of Conservation		
Natural England	October 2024	Bi-Annually
Special Protection Areas		
Natural England	November 2024	Bi-Annually

Data Suppliers

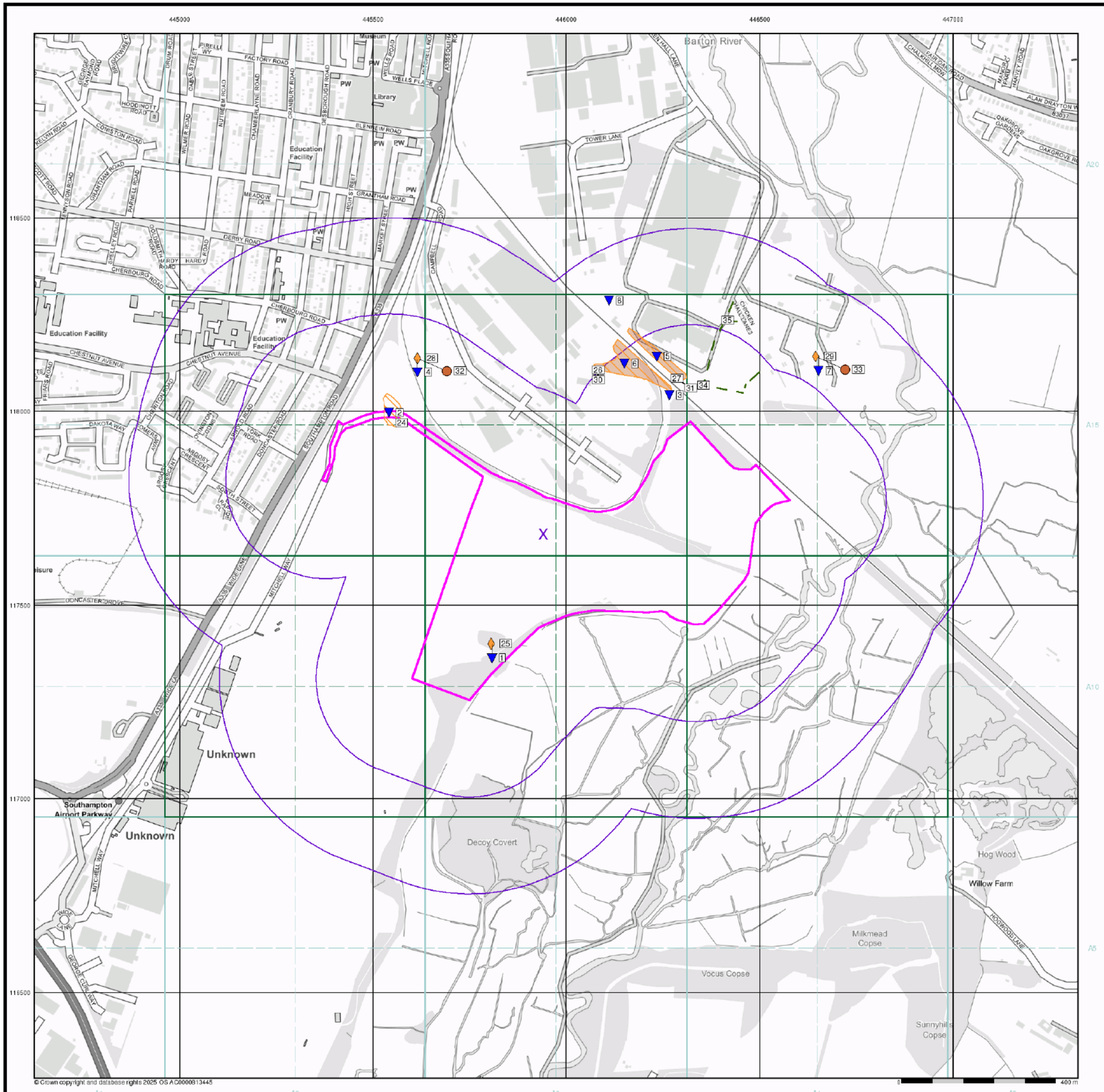
A selection of organisations who provide data within this report

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	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Eastleigh Borough Council - Environmental Health Department** Civic Offices, Leigh Road, Eastleigh, Hampshire, SO50 9YN	Telephone: 023 80622302 Fax: 02380 688302 Website: www.eastleigh.gov.uk
4	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.co.uk
6	**Eastleigh Borough Council** Civic Offices, Leigh Road, Eastleigh, Hampshire, SO50 9YN	Telephone: 02380 688000 Fax: 02380 688261 Website: www.eastleigh.gov.uk
7	**Hampshire County Council - Minerals and Waste Planning** Room 130, Ashburton Court West, The Castle, Winchester, Hampshire, SO23 8UD	Telephone: 01962 841841 Fax: 01962 847055 Website: www.hants.gov.uk
8	**PointX** 5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	**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** Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6618 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk

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



Historical Land Use Information (1:10,000)

General

Specified Site | Specified Buffer(s) | X 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

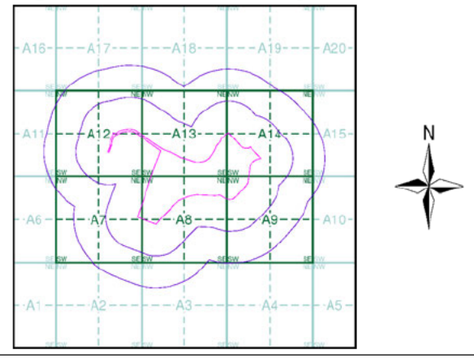
	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	●		
Potentially Infilled Land (Water)	●		
Former Marsh	✠		

Mining Data

Potential Mining Area

BGS Recorded Mineral Site

Mining and Ground Stability - Slice A



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	500

Site Details

Mitchell Way, Southampton, SO50 5QJ

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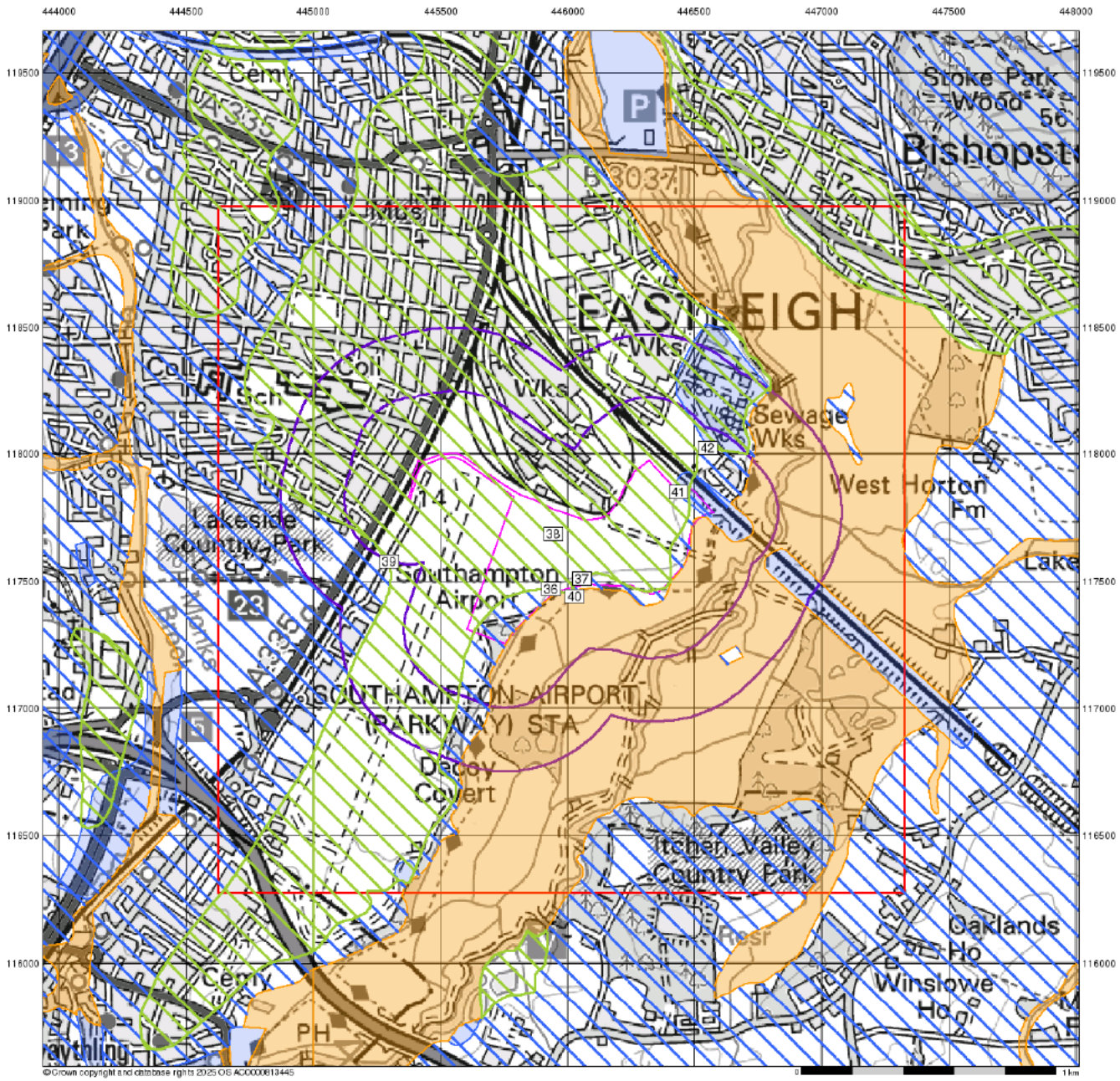
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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

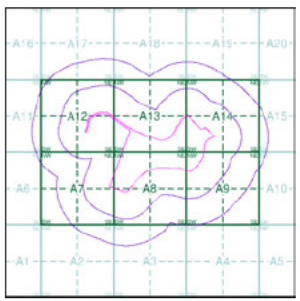
Potential for Collapsible Ground Stability Hazards

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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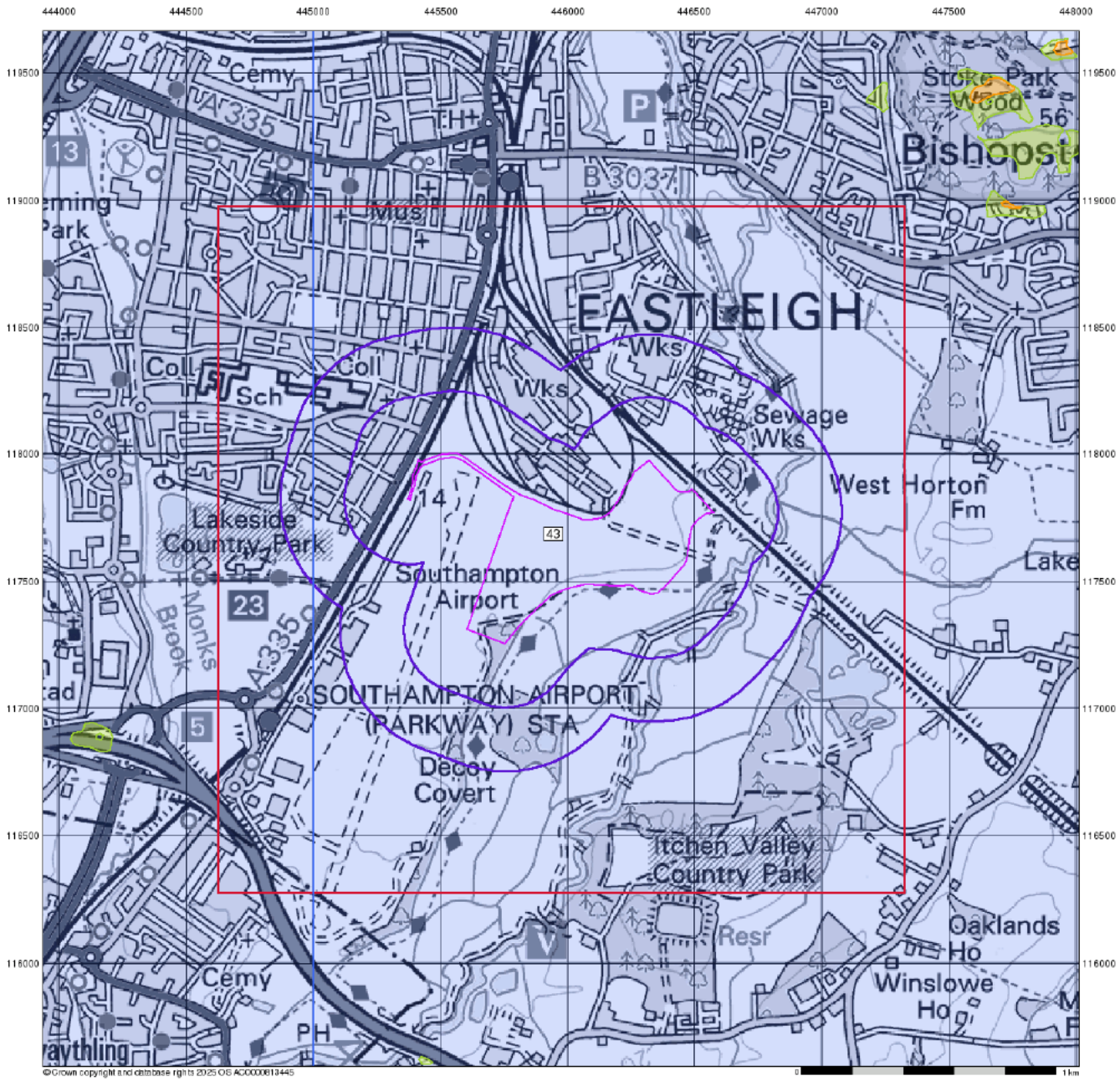


Ground Stability Data (1:50,000)

General

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

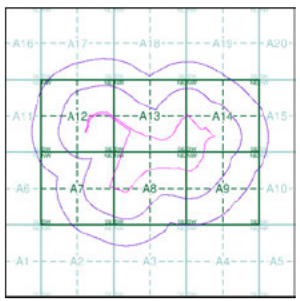
Potential for Landslide Ground Stability Hazards

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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Site Area (Ha):	32.62
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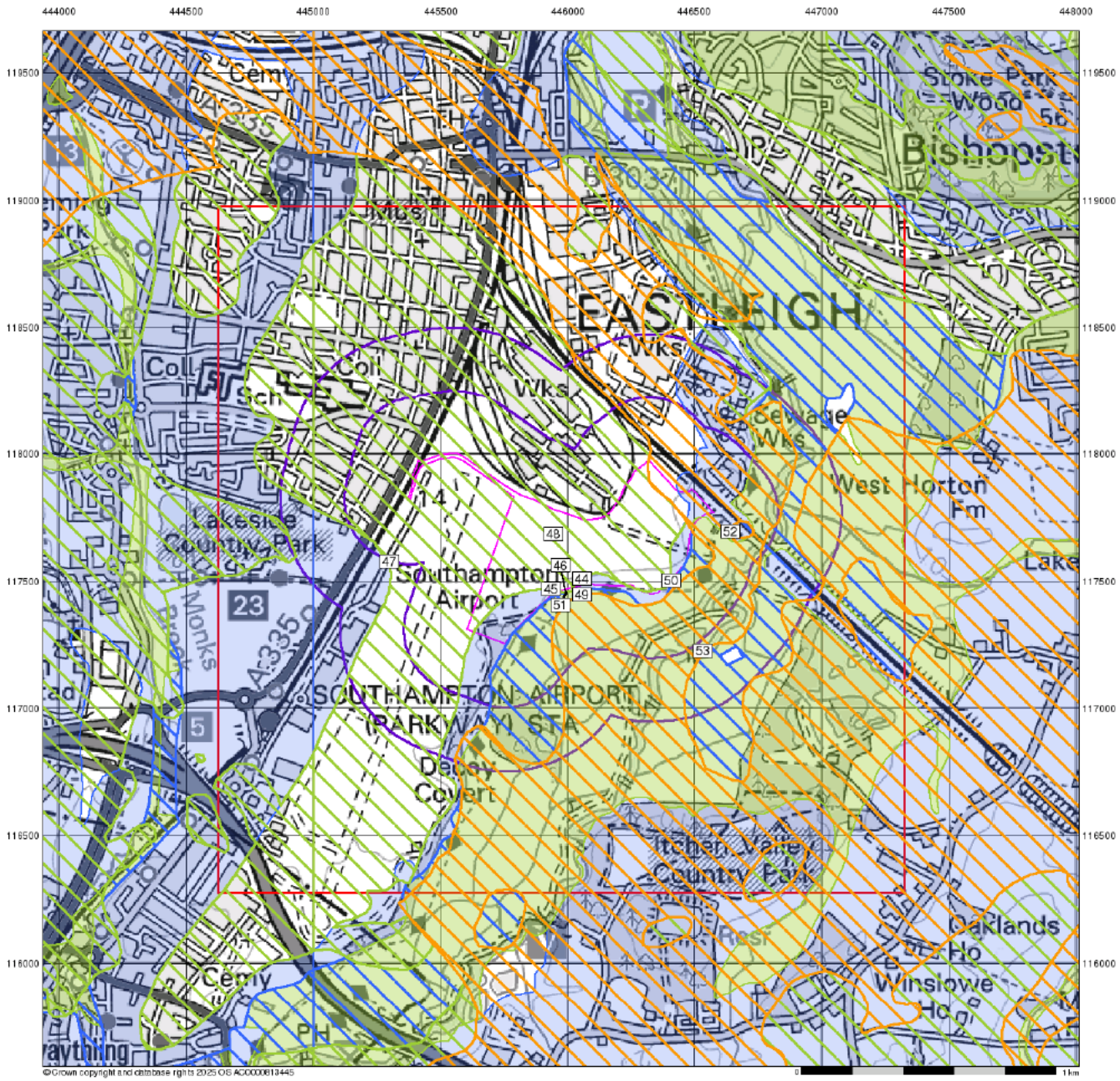


Ground Stability Data (1:50,000)

General

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

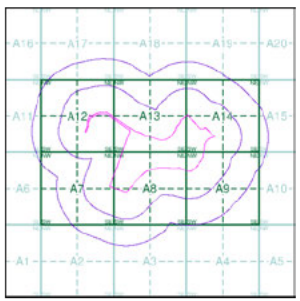
Potential for Running Sand Ground Stability Hazards

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



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Envirocheck® Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:
366723883_1_1

Customer Reference:
4362

National Grid Reference:
445940, 117680

Slice:
A

Site Area (Ha):
32.62

Search Buffer (m):
500

Site Details:

Mitchell Way
Southampton
SO50 5QJ

Client Details:

Mr A Wilson
Geo2 Remediation Ltd
Coniston House
Louisa Street
Bradford
West Yorkshire
BD10 8NE

Contents

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	3
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	5
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	6
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Historical Map List	8
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	9
Data Suppliers	10
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The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Report Version v53.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m
Mining and Natural Cavities Data				
BGS Recorded Mineral Sites	pg 1	2	4	2
Coal Mining Affected Areas			n/a	n/a
Man Made Mining Cavities				
Mining Instability			n/a	n/a
Natural Cavities				
Non Coal Mining Areas of Great Britain				n/a
Potential Mining Areas				
Historical Land Use Information (1:2,500)				
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 3	7	8	n/a
Subterranean Features (100m)				n/a
Historical Land Use Information (1:10,000)				
Air Shafts				
Disturbed Ground				
General Quarrying				
Heap, unknown constituents				
Mineral Railway				
Mining & quarrying general				
Mining of coal & lignite				
Quarrying of sand & clay, operation of sand & gravel pits	pg 5	2	3	1
Former Marshes				
Potentially Infilled Land (Non-Water)	pg 5		3	1
Potentially Infilled Land (Water)	pg 5		1	1
Ground Stability Data (1:50,000)				
CBSCB Compensation District			n/a	n/a
Brine Pumping Related Features				
Brine Subsidence Solution Area				
Potential for Collapsible Ground Stability Hazards	pg 6	Yes	Yes	n/a
Potential for Compressible Ground Stability Hazards	pg 6	Yes	Yes	n/a
Potential for Ground Dissolution Stability Hazards	pg 6	Yes		n/a
Potential for Landslide Ground Stability Hazards	pg 6	Yes		n/a
Potential for Running Sand Ground Stability Hazards	pg 6	Yes	Yes	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 6	Yes	Yes	n/a
Salt Mining Related Features				

Summary

Report Version v53.0

Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**BGS Recorded Mineral Sites** Site Name: North Stoneham Farm Gravel Pit Location: North Stoneham, Eastleigh, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162025 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits, 1 Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	0	1	445808 117399
2	**BGS Recorded Mineral Sites** Site Name: Chicken Hall Farm Gravel Pit Location: Eastleigh, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162027 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits (Undifferentiated) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	0	1	445542 118001
3	**BGS Recorded Mineral Sites** Site Name: Chicken Hall Farm Gravel Pit Location: Eastleigh, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162017 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits (Undifferentiated) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	92	1	446266 118046
4	**BGS Recorded Mineral Sites** Site Name: Chicken Hall Farm Clay Pit Location: Eastleigh, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162019 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits (Undifferentiated) Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	143	1	445615 118134
5	**BGS Recorded Mineral Sites** Site Name: Chicken Hall Farm Gravel Pit Location: Eastleigh, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162016 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits (Undifferentiated) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	194	1	446234 118146
6	**BGS Recorded Mineral Sites** Site Name: Chicken Hall Farm Gravel Pit Location: Eastleigh, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162028 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits (Undifferentiated) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	227	1	446150 118128

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**BGS Recorded Mineral Sites** Site Name: Chicken Hall Farm Gravel Pit Location: Eastleigh, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162018 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits (Undifferentiated) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A14NE (NE)	325	1	446651 118144
8	**BGS Recorded Mineral Sites** Site Name: Eastleigh Rail Depot Location: Eastleigh, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 10986 Type: Rail Depot **Status: Active** Operator: Aggregate Industries Uk Operator Location: Not Supplied Periodic Type: Not Available Geology: Quarry (Hard Rock) Commodity: Crushed Rock Positional Accuracy: Located by supplier to within 10m	A13NE (N)	381	1	446110 118290
	Coal Mining Affected Areas In an area which may not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	**Extractive Industries or Potential Excavations from 1950-1980** Use: Old Gravel Pit First Map Published Date: 1951 Last Map Published Date: 1951	A8NW (SW)	0	-	445821 117429
10	**Extractive Industries or Potential Excavations from 1950-1980** Use: The Itchen Navigation First Map Published Date: 1951 Last Map Published Date: 1951	A8NW (S)	0	-	445811 117320
11	**Extractive Industries or Potential Excavations from 1950-1980** Use: Filter Tanks First Map Published Date: 1951 Last Map Published Date: 1963	A9NW (E)	0	-	446368 117624
12	**Extractive Industries or Potential Excavations from 1950-1980** Use: Railway Embankment First Map Published Date: 1951 Last Map Published Date: 1963	A14NW (NE)	0	-	446367 117975
13	**Extractive Industries or Potential Excavations from 1950-1980** Use: Railway Embankment First Map Published Date: 1951 Last Map Published Date: 1963	A13SE (NE)	0	-	446079 117754
14	**Extractive Industries or Potential Excavations from 1950-1980** Use: The Itchen Navigation (Disused) First Map Published Date: 1951 Last Map Published Date: 1951	A8NE (S)	0	-	446017 117477
15	**Extractive Industries or Potential Excavations from 1950-1980** Use: Unspecified Pit First Map Published Date: 1951 Last Map Published Date: 1951	A12NE (NW)	0	-	445573 117970
16	**Extractive Industries or Potential Excavations from 1950-1980** Use: The Itchen Navigation (Disused) First Map Published Date: 1951 Last Map Published Date: 1963	A8NE (SE)	1	-	446032 117474
17	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1951 Last Map Published Date: 1951	A8NW (S)	5	-	445842 117347
18	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1963 Last Map Published Date: N/A	A8NE (SE)	5	-	446242 117476
19	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1963 Last Map Published Date: N/A	A8NE (SE)	12	-	446298 117438

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	**Extractive Industries or Potential Excavations from 1950-1980** Use: Railway Cutting First Map Published Date: 1951 Last Map Published Date: 1951	A12SE (W)	18	-	445372 117909
21	**Extractive Industries or Potential Excavations from 1950-1980** Use: Railway Embankment First Map Published Date: 1963 Last Map Published Date: N/A	A14SW (E)	25	-	446601 117762
22	**Extractive Industries or Potential Excavations from 1950-1980** Use: Unspecified Deposited Material First Map Published Date: 1951 Last Map Published Date: N/A	A12NE (NW)	47	-	445570 118047
23	**Extractive Industries or Potential Excavations from 1950-1980** Use: Railway Embankment First Map Published Date: 1951 Last Map Published Date: 1951	A13SW (NW)	55	-	445791 117916

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1911	A12NE (NW)	0	-	445575 117971
25	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1911 - 1938	A8NW (SW)	0	-	445806 117400
26	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1911	A13NE (N)	84	-	446083 118107
27	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1897	A13NE (NE)	110	-	446286 118085
28	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1897	A12NE (NW)	147	-	445616 118138
29	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1897	A14NW (NE)	320	-	446644 118142
30	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A13NE (N)	84	-	446083 118107
31	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A13NE (NE)	110	-	446286 118085
32	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A12NE (NW)	147	-	445616 118138
33	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A14NW (NE)	320	-	446644 118142
34	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A14NW (NE)	99	-	446354 118067
35	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A14NW (NE)	279	-	446416 118235

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
36	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NW (S)	0	1	445931 117468
37	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NE (SE)	0	1	446053 117507
38	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	445942 117684
39	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A7NW (W)	217	1	445297 117577
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8NE (S)	0	1	445989 117457
40	**Potential for Compressible Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A8NE (S)	0	1	445989 117457
41	**Potential for Compressible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A14SW (E)	0	1	446436 117848
42	**Potential for Compressible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A14NW (NE)	173	1	446551 118023
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	445942 117684
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	445942 117684
43	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	445942 117684
44	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NE (SE)	0	1	446053 117507
45	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NW (S)	0	1	445931 117468
46	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A8NE (S)	0	1	445989 117457
47	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A7NW (W)	217	1	445297 117577
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	445942 117684
48	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	445942 117684
49	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A8NE (SE)	0	1	446052 117447
50	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A9NW (E)	0	1	446410 117501

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NE (S)	0	1	445989 117457
52	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A14SW (E)	89	1	446640 117695
53	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A9SW (SE)	224	1	446533 117228
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8NE (SE)	0	1	446053 117507
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8NW (S)	0	1	445931 117468
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A7NW (W)	217	1	445297 117577

Historical Map List

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	SU4416	1951
Ordnance Survey Plan	SU4418	1951
Ordnance Survey Plan	SU4517	1951
Ordnance Survey Plan	SU4517	1951
Ordnance Survey Plan	SU4517	1951
Ordnance Survey Plan	SU4517	1951
Ordnance Survey Plan	SU4616	1963
Ordnance Survey Plan	SU4616	1963
Ordnance Survey Plan	SU4617	1963
Ordnance Survey Plan	SU4617	1963
Ordnance Survey Plan	SU4617	1963
Ordnance Survey Plan	SU4617	1963
Ordnance Survey Plan	SU4516	1964
Ordnance Survey Plan	SU4516	1964
Ordnance Survey Plan	SU4618	1964
Ordnance Survey Plan	SU4618	1964

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Hampshire & Isle Of Wight	058_00	1871
Hampshire & Isle Of Wight	057_00	1872
Hampshire & Isle Of Wight	057_SE	1897
Hampshire & Isle Of Wight	058_SW	1897
Hampshire & Isle Of Wight	058_SW	1910
Hampshire & Isle Of Wight	057_SE	1911
Hampshire & Isle Of Wight	057_SE	1938
Hampshire & Isle Of Wight	058_SW	1939
Ordnance Survey Plan	SU41NE	1963
Ordnance Survey Plan	SU41NW	1963
1:10,000	**Mapsheet**	**Published Date**
Ordnance Survey Plan	SU41NW	1989
Ordnance Survey Plan	SU41NE	1990

Data Currency

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	March 2024	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2023	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2023	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	**Version**	**Update Cycle**
Subterranean Features Landmark Information Group Limited	July 2023	Bi-Annually
Ground Stability Data (1:50,000)	**Version**	**Update Cycle**
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	 As notified
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
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	

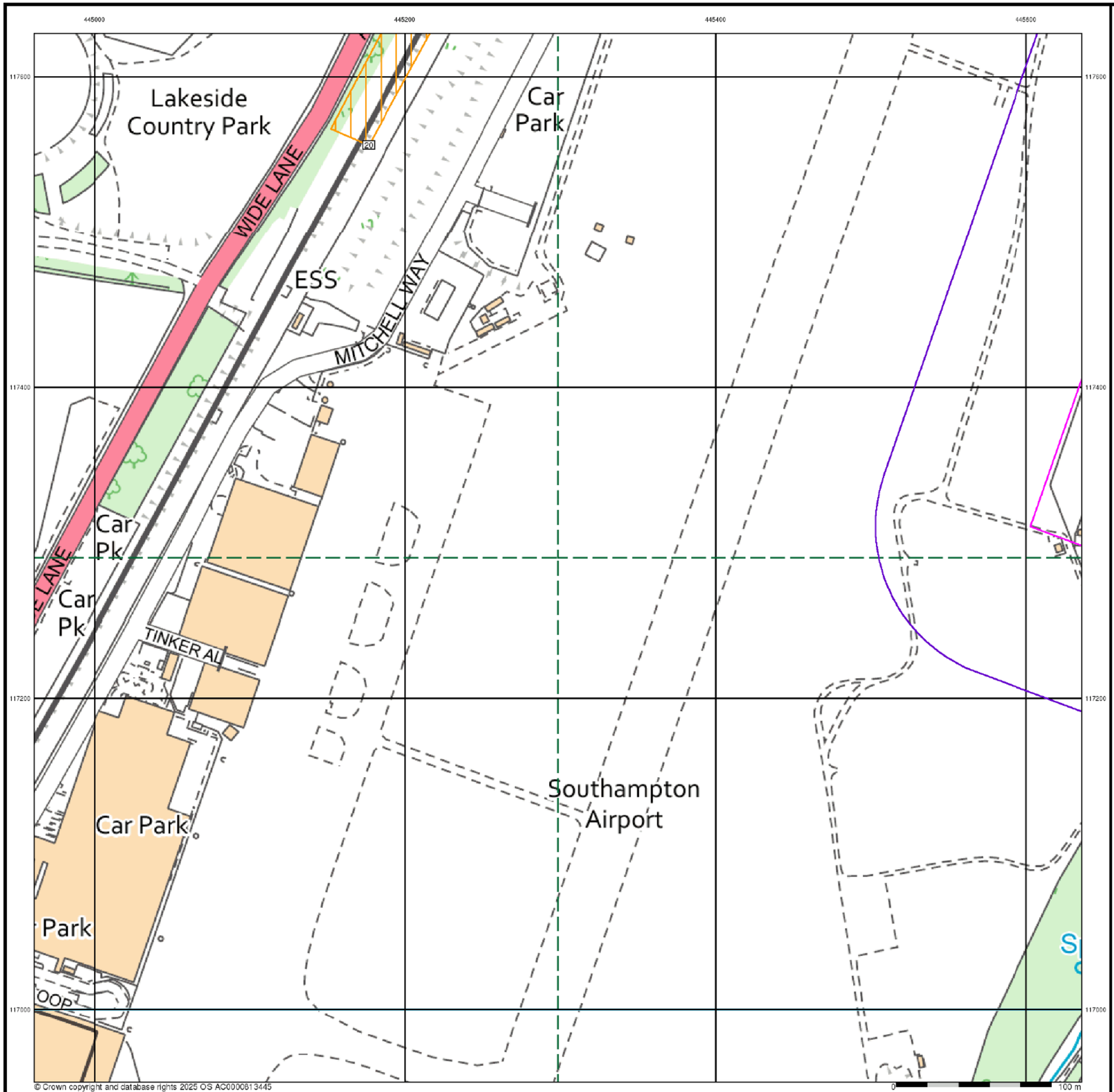
Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	
The Coal Authority	
Ove Arup	
Stantec UK Ltd	
Wardell Armstrong	
Johnson Poole & Bloomer	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
-	**Landmark Information Group Limited** Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6618 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk



Historical Land Use Information (1:2,500)

General

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

Several of Type at Location

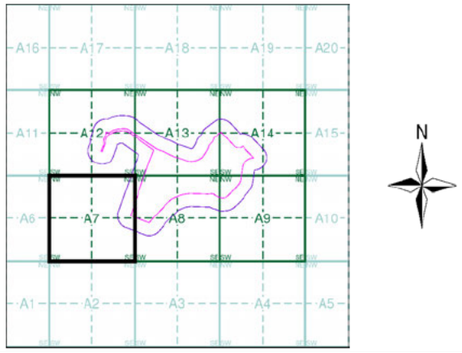
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	▭
Extractive Industries Activity from 1893 - 1915	▲	—	▨
Extractive Industries Activity from 1900 - 1937	▲	—	▤
Extractive Industries Activity from 1924 - 1949	▲	—	▨
Extractive Industries Activity from 1950 - 1980	▲	—	▥

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	- - -	▭

Mining and Ground Stability - Segment A7



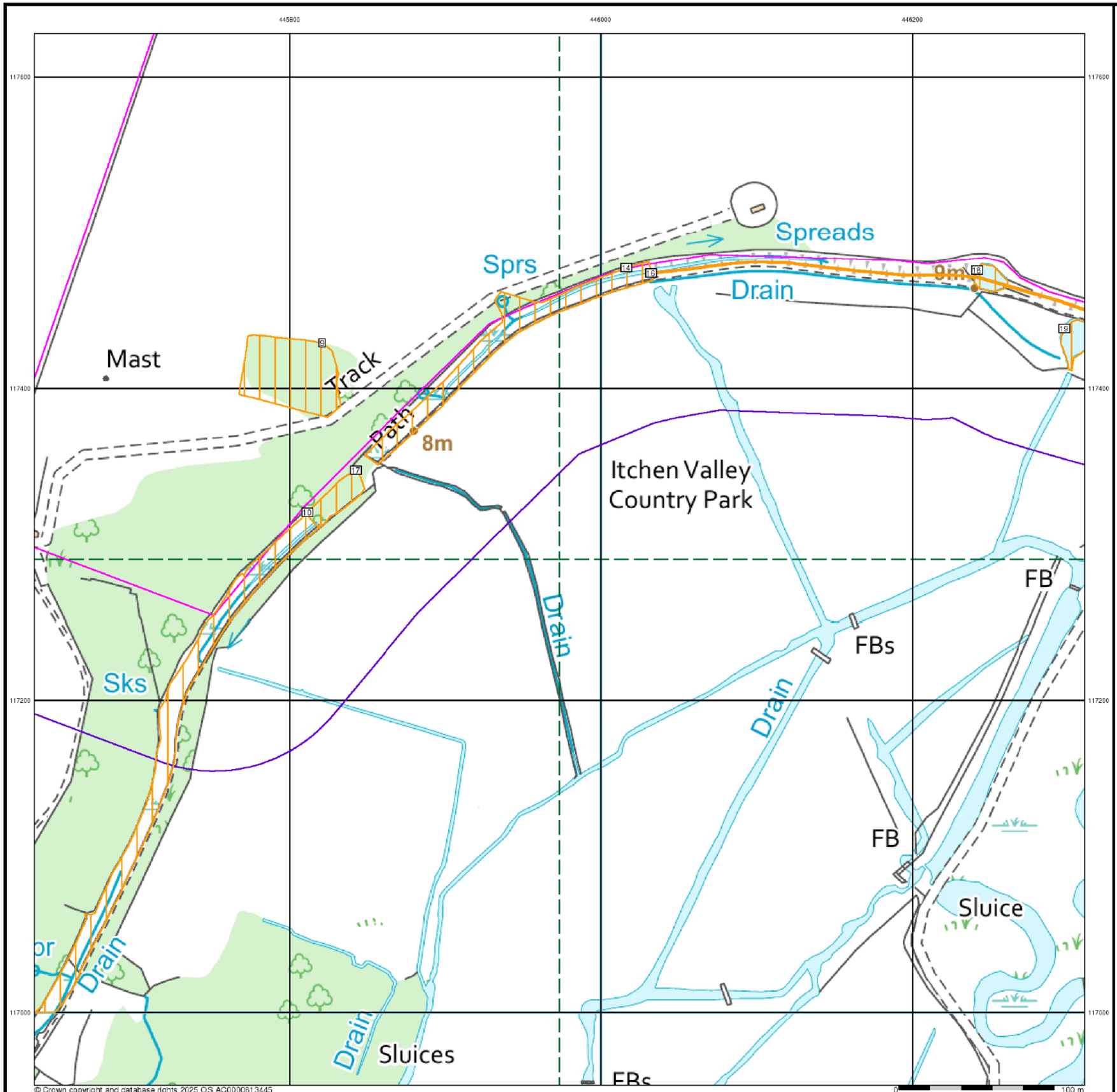
Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Plot Buffer (m):	100

Site Details

Mitchell Way, Southampton, SO50 5QJ

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



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Historical Land Use Information (1:2,500)

General

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

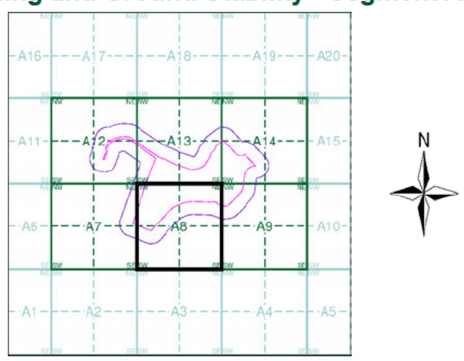
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	▭
Extractive Industries Activity from 1893 - 1915	▲	—	▨
Extractive Industries Activity from 1900 - 1937	▲	—	▤
Extractive Industries Activity from 1924 - 1949	▲	—	▨
Extractive Industries Activity from 1950 - 1980	▲	—	▥

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	- - -	▭

Mining and Ground Stability - Segment A8



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Plot Buffer (m):	100

Site Details

Mitchell Way, Southampton, SO50 5QJ

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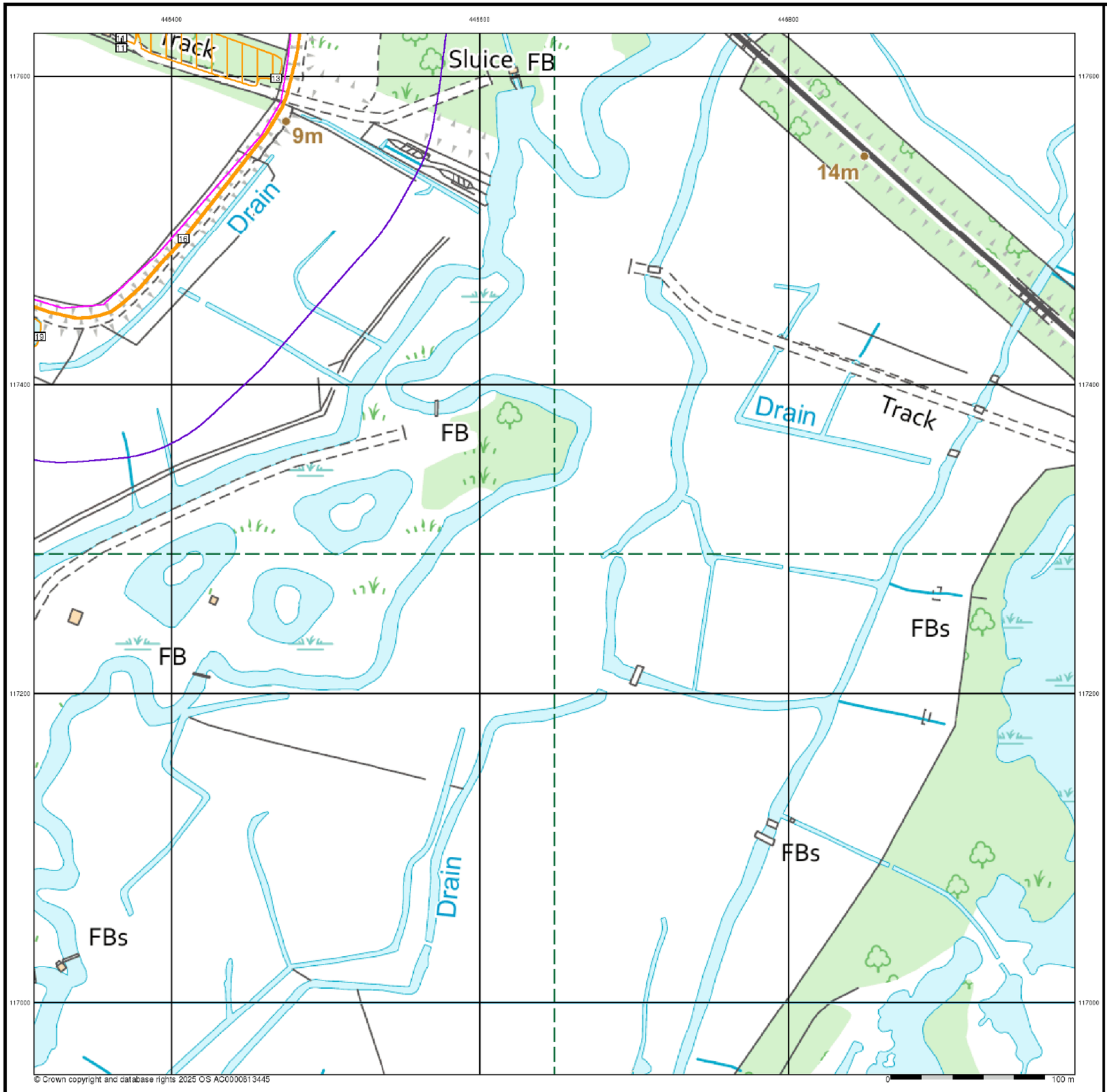


Historical Land Use Information (1:2,500)

General

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

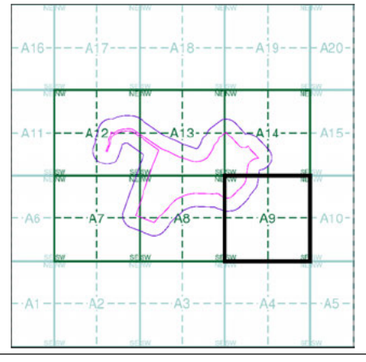
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	▭
Extractive Industries Activity from 1893 - 1915	▲	—	▭
Extractive Industries Activity from 1900 - 1937	▲	—	▭
Extractive Industries Activity from 1924 - 1949	▲	—	▭
Extractive Industries Activity from 1950 - 1980	▲	—	▭

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	- - -	▭

Mining and Ground Stability - Segment A9



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Plot Buffer (m):	100

Site Details

Mitchell Way, Southampton, SO50 5QJ

Landmark INFORMATION GROUP
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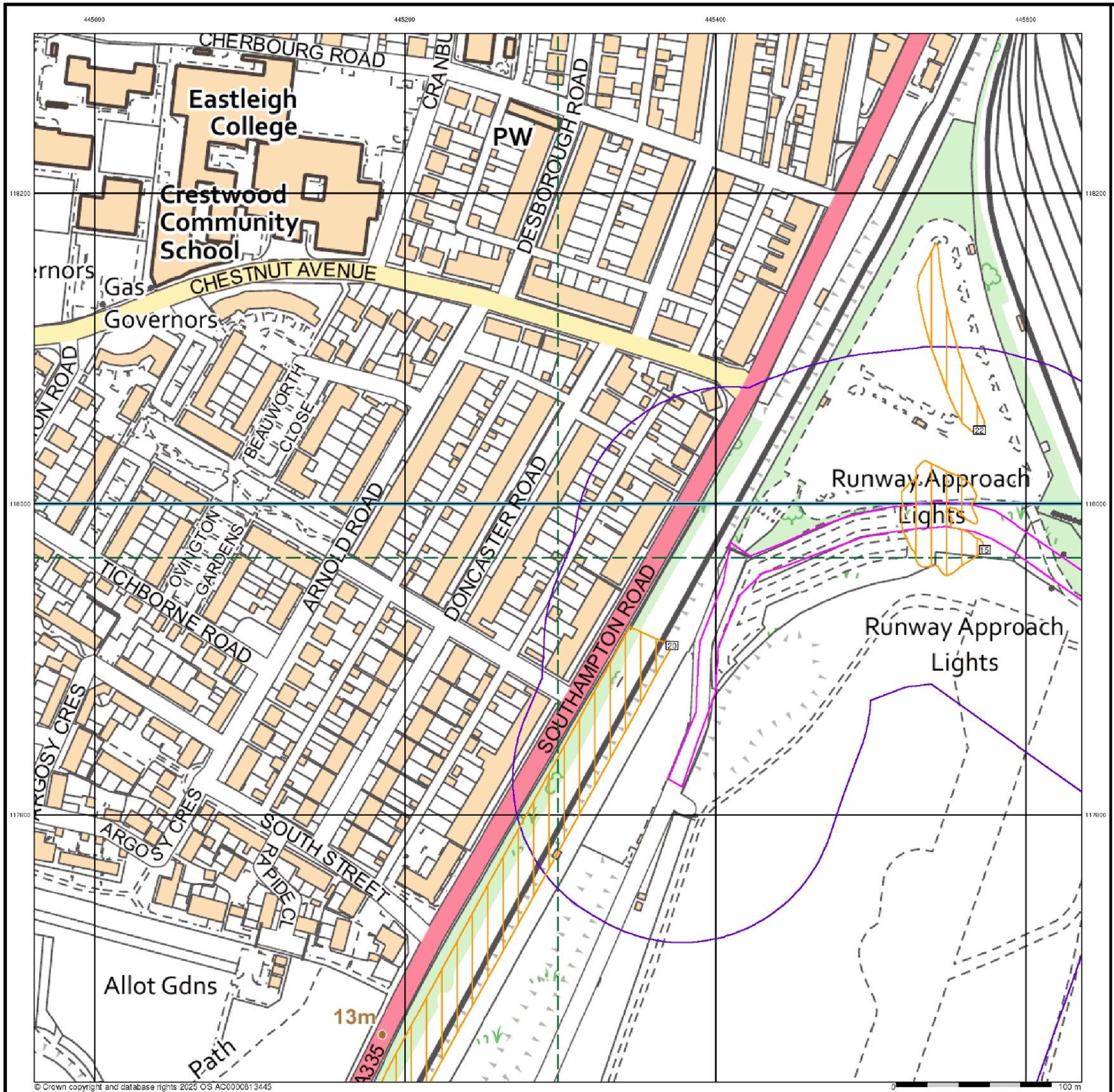

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Historical Land Use Information (1:2,500)

General

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

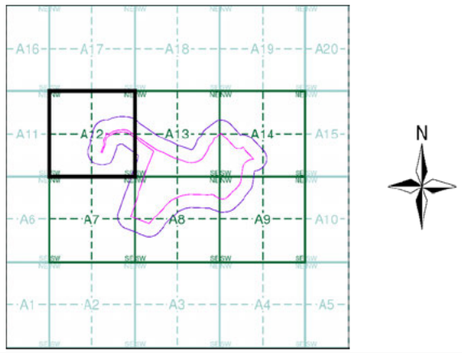
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	▭
Extractive Industries Activity from 1893 - 1915	▲	—	▨
Extractive Industries Activity from 1900 - 1937	▲	—	▦
Extractive Industries Activity from 1924 - 1949	▲	—	▨
Extractive Industries Activity from 1950 - 1980	▲	—	▥

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	- - -	▭

Mining and Ground Stability - Segment A12



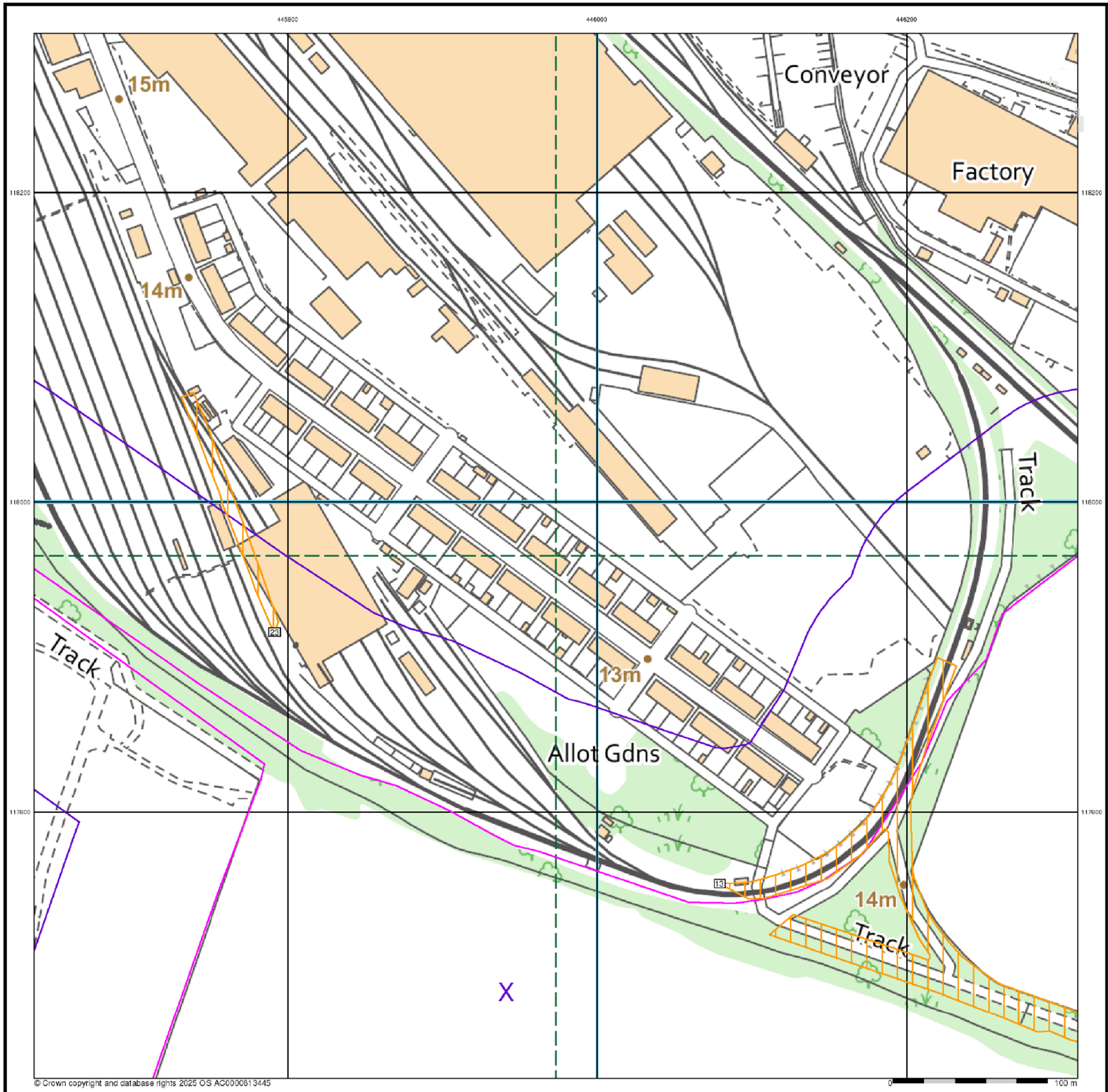
Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Plot Buffer (m):	100

Site Details

Mitchell Way, Southampton, SO50 5QJ

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



Historical Land Use Information (1:2,500)

General

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

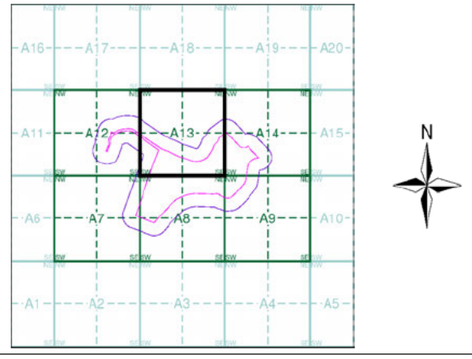
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	▭
Extractive Industries Activity from 1893 - 1915	▲	—	▨
Extractive Industries Activity from 1900 - 1937	▲	—	▤
Extractive Industries Activity from 1924 - 1949	▲	—	▨
Extractive Industries Activity from 1950 - 1980	▲	—	▥

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	- - -	▭

Mining and Ground Stability - Segment A13



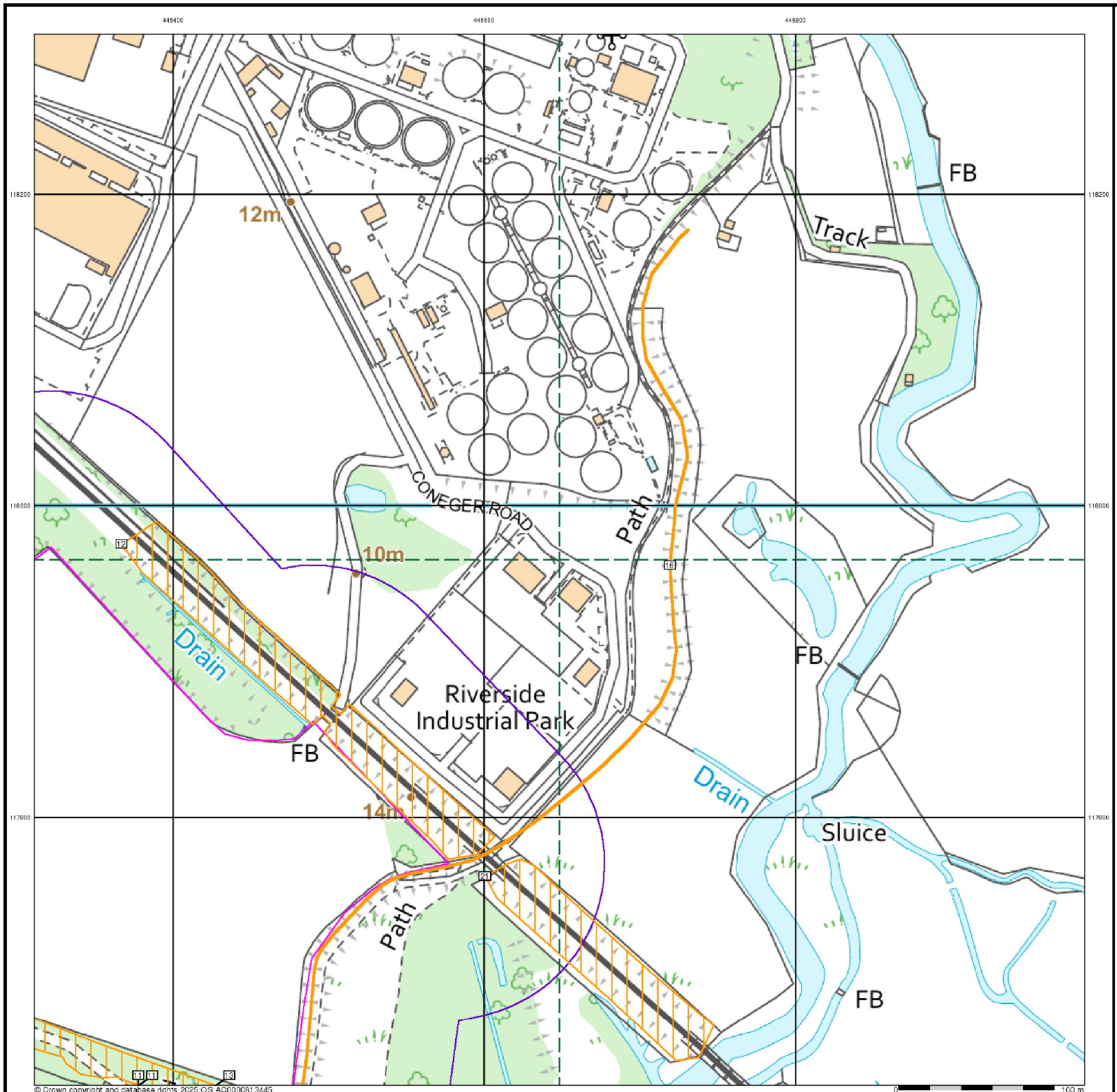
Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Plot Buffer (m):	100

Site Details

Mitchell Way, Southampton, SO50 5QJ

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



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Historical Land Use Information (1:2,500)

General

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

Several of Type at Location

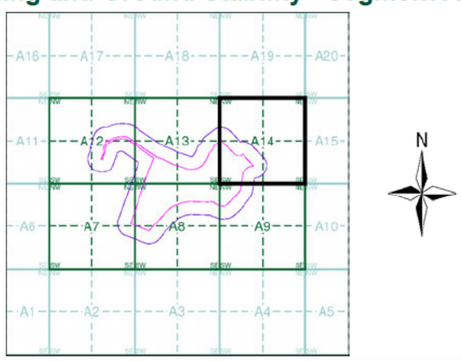
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	▭
Extractive Industries Activity from 1893 - 1915	▲	—	▨
Extractive Industries Activity from 1900 - 1937	▲	—	▤
Extractive Industries Activity from 1924 - 1949	▲	—	▨
Extractive Industries Activity from 1950 - 1980	▲	—	▥

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	- - -	▭

Mining and Ground Stability - Segment A14



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Plot Buffer (m):	100

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Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

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

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	RTD1	River Terrace Deposits, 1	Sand and Gravel	Not Supplied - Quaternary
	RTD1	River Terrace Deposits, 1	Clay and Silt	Not Supplied - Quaternary
	TUFA	Tufa	Tufa, Calcareous	Not Supplied - Quaternary
	RTDU	River Terrace Deposits (Undifferentiated)	Clay and Silt	Not Supplied - Quaternary
	HEAD	Head	Gravel, Sand, Silt and Clay	Not Supplied - Quaternary
	RTD3	River Terrace Deposits, 3	Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	EA	Earnley Sand Formation	Sand, Silt and Clay	Not Supplied - Lutetian
	LC	London Clay Formation	Clay, Silt and Sand	Not Supplied - Ypresian
	WTT	Wittering Formation	Sand, Silt and Clay	Not Supplied - Ypresian
	WHI	Whitecliff Sand Member	Sand	Not Supplied - Palaeogene

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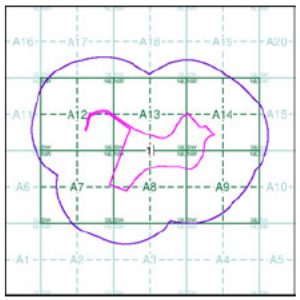
Geology 1:50,000 Maps

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:	**315**
Map Name:	**Southampton**
Map Date:	**1987**
Bedrock Geology:	**Available**
Superficial Geology:	**Available**
Artificial Geology:	**Available**
Faults:	**Not Supplied**
Landslip:	**Available**
Rock Segments:	**Not Supplied**

Geology 1:50,000 Maps - Slice A



Order Details:

Order Number:	366723883_1_1
Customer Reference:	4362
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Slice:	A
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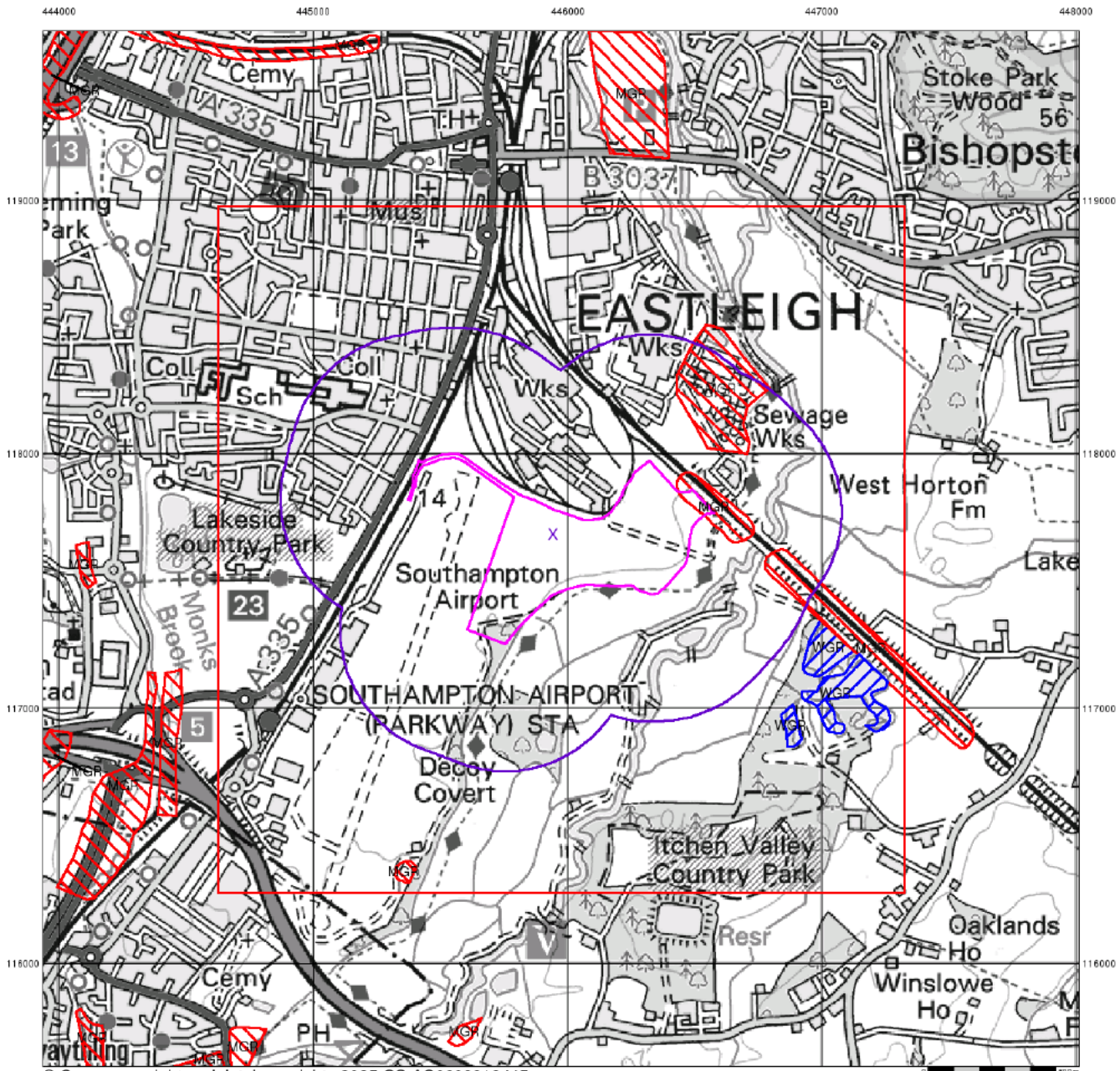
Search Buffer (m):	500

Site Details:

Mitchell Way, Southampton, SO50 5QJ



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Artificial Ground and Landslip

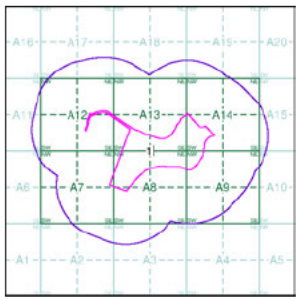
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions 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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Landmark INFORMATION GROUP
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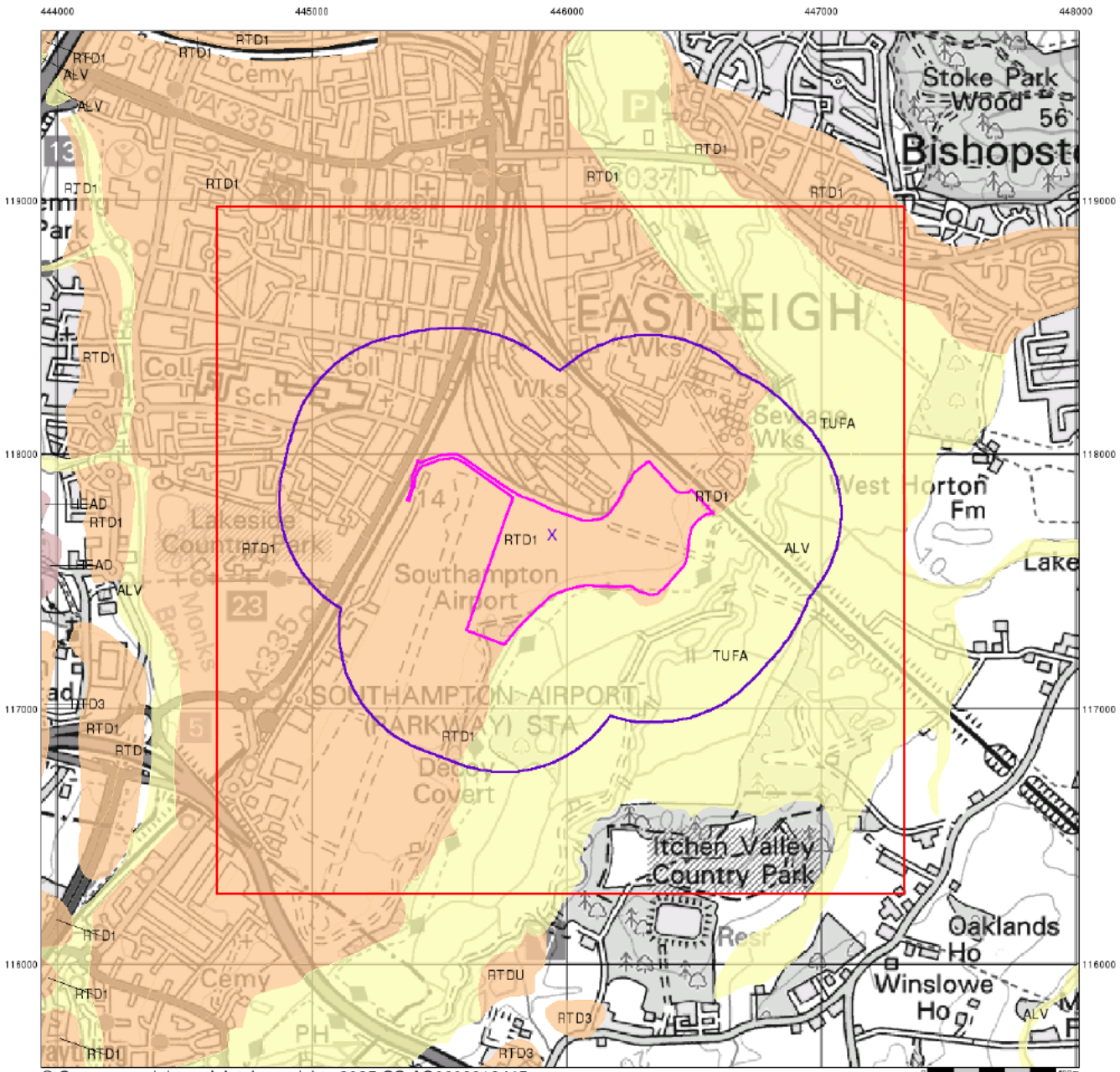
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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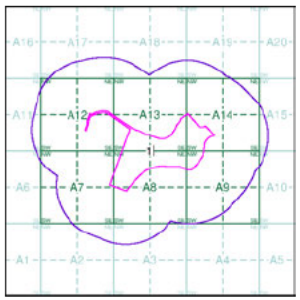
Superficial Geology

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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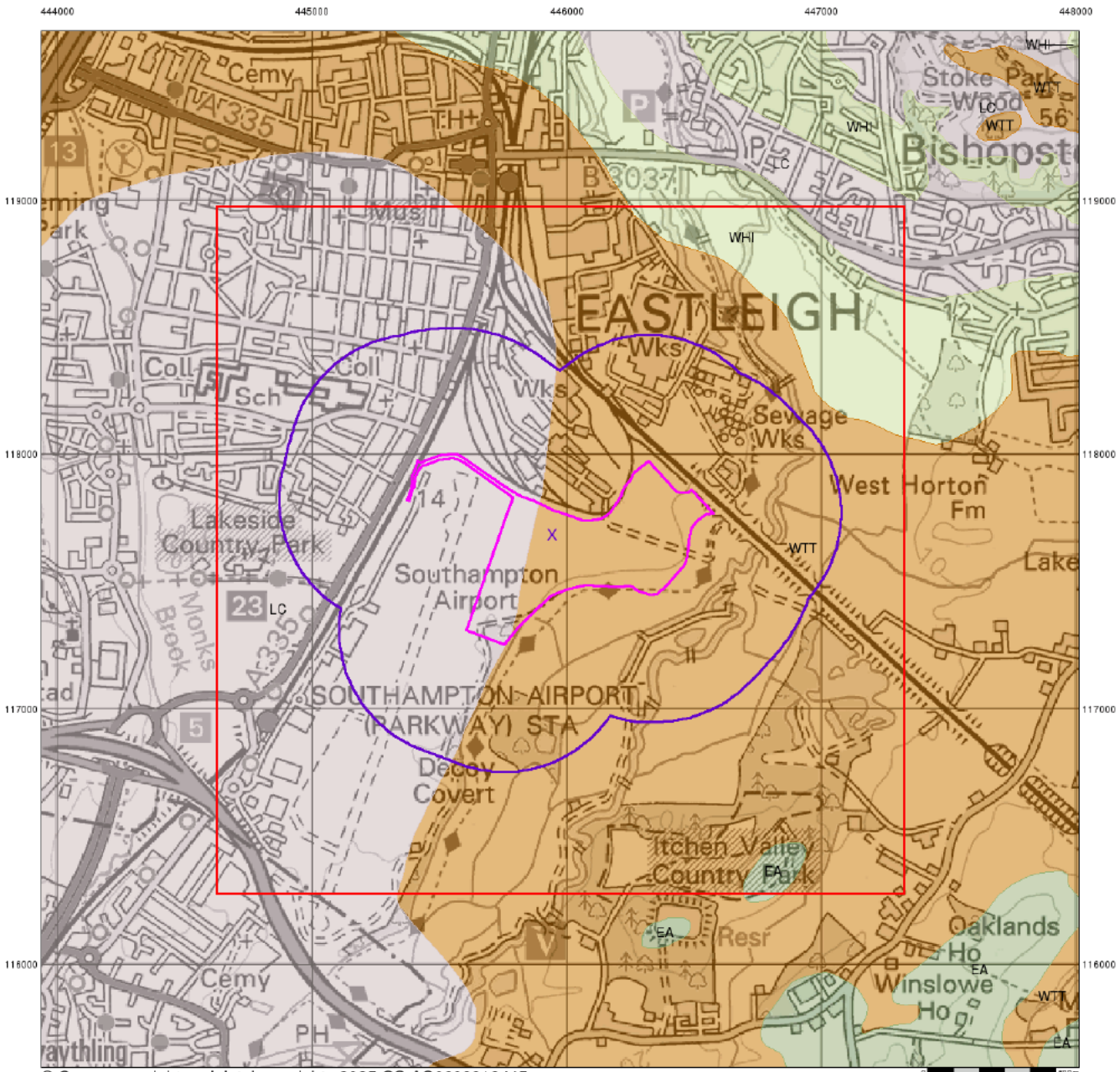

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Bedrock and Faults

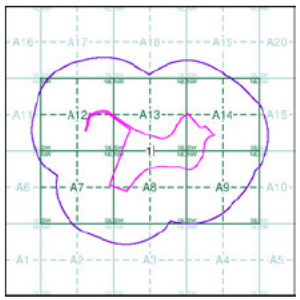
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



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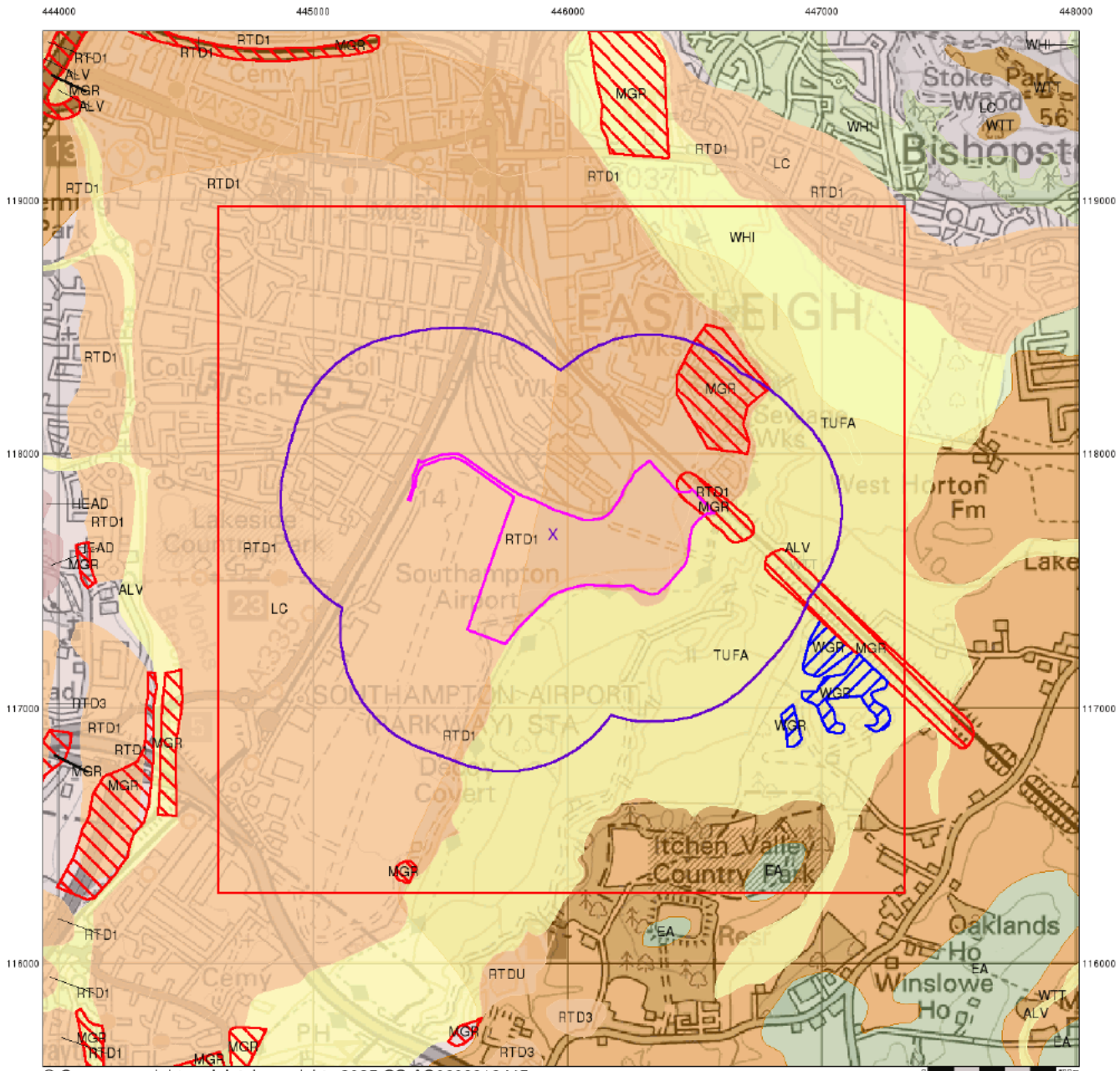

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Combined Surface Geology

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.

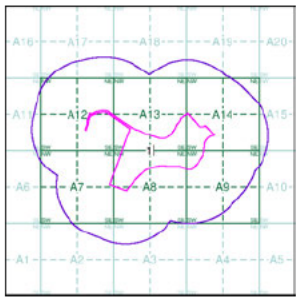
Additional Information

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



Order Details:

Order Number:	366723883_1_1
Customer Reference:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	500

Site Details:

Mitchell Way, Southampton, SO50 5QJ

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
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

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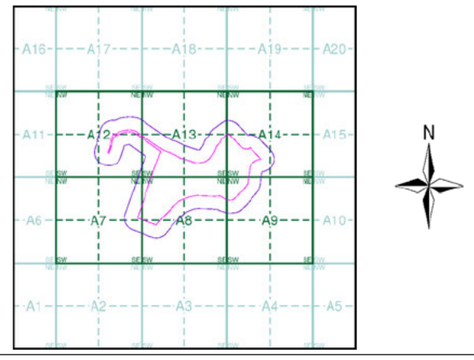
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:10,560	1871 - 1872	3
Hampshire & Isle Of Wight	1:10,560	1897	4
Hampshire & Isle Of Wight	1:10,560	1910 - 1911	5
Hampshire & Isle Of Wight	1:10,560	1931	6
Hampshire & Isle Of Wight	1:10,560	1931	7
Hampshire & Isle Of Wight	1:10,560	1938 - 1939	8
Historical Aerial Photography	1:10,560	1947 - 1949	9
Ordnance Survey Plan	1:10,000	1963	10
Ordnance Survey Plan	1:10,000	1963 - 1968	11
Ordnance Survey Plan	1:10,000	1969	12
Ordnance Survey Plan	1:10,000	1978	13
Ordnance Survey Plan	1:10,000	1983 - 1989	14
Southampton	1:10,000	1986	15
Ordnance Survey Plan	1:10,000	1990	16
10K Raster Mapping	1:10,000	2000	17
10K Raster Mapping	1:10,000	2006	18
VectorMap Local	1:10,000	2024	19

Historical Map - Slice A



Order Details

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National Grid Reference: 445940, 117680
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Site Area (Ha): 32.62
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Site Details

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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
- 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

180/12 180/12 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 (-)
Д д (D)	Л л (L)	У у (U)	ы (Y)
Е е (E)	М м (M)	Ф ф (F)	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
- 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 Level Mark
- 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

SU41NE_Southampton

No.	Description
62	Railway Station (Freight And Passenger)

Geo2™

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:10,560	1871 - 1872	3
Hampshire & Isle Of Wight	1:10,560	1897	4
Hampshire & Isle Of Wight	1:10,560	1910 - 1911	5
Hampshire & Isle Of Wight	1:10,560	1931	6
Hampshire & Isle Of Wight	1:10,560	1931	7
Hampshire & Isle Of Wight	1:10,560	1938 - 1939	8
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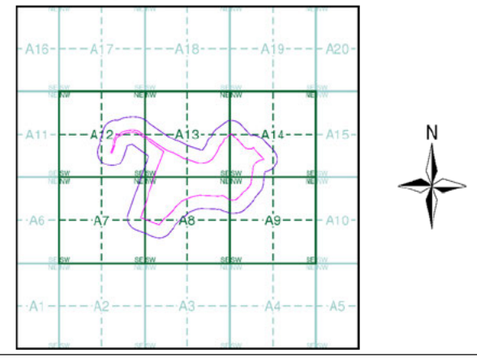
10K Raster Mapping	1:10,000	2006	18
VectorMap Local	1:10,000	2024	19

Russian Map - Slice A



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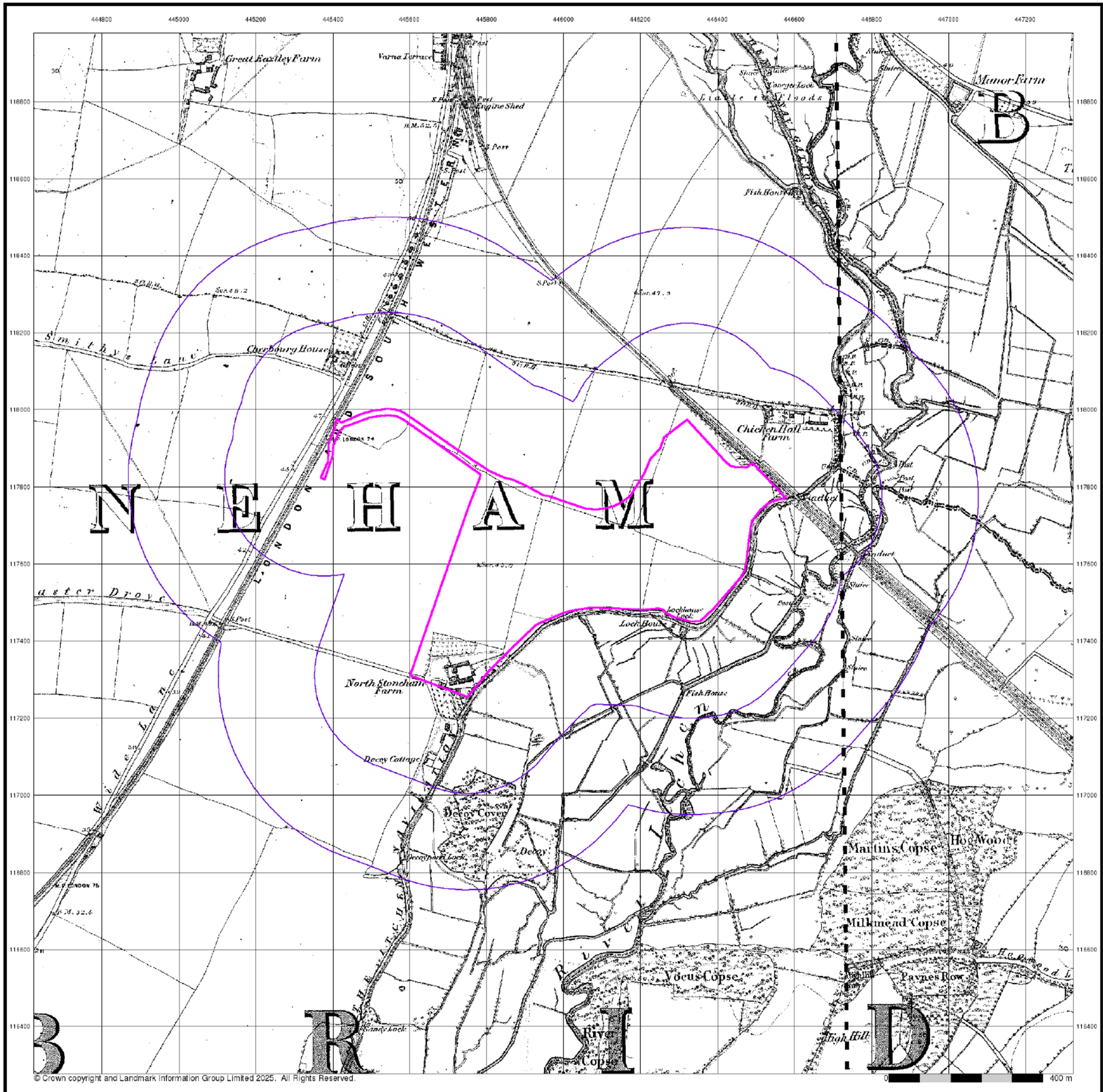

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Geo2™

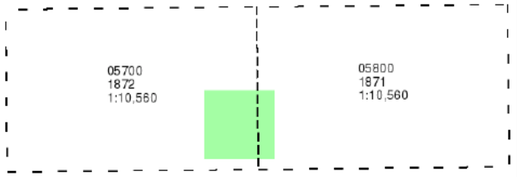
Hampshire & Isle Of Wight

Published 1871 - 1872

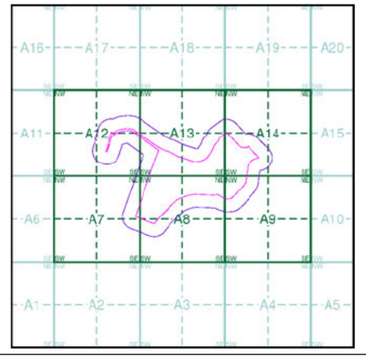
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	500

Site Details

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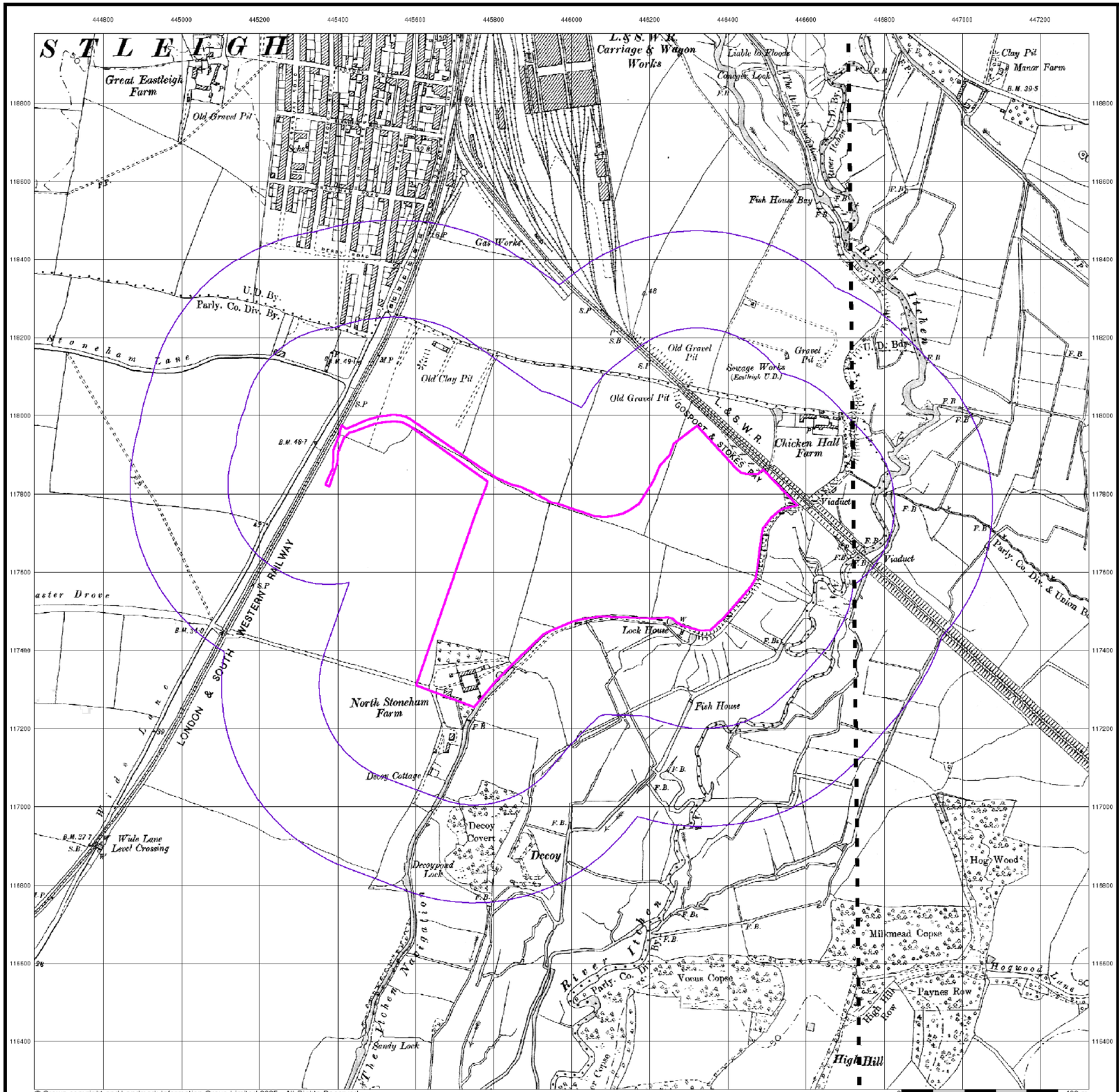

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Geo2™

Hampshire & Isle Of Wight

Published 1897

Source map scale - 1:10,560

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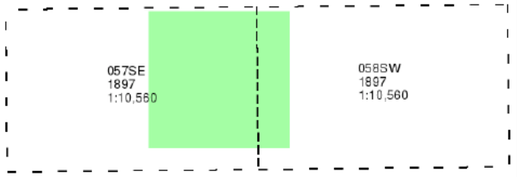
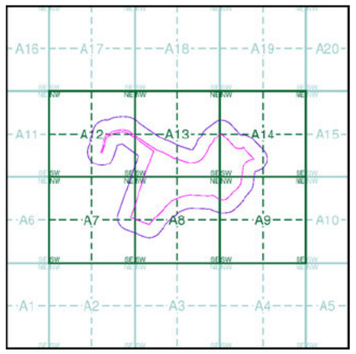


Historical Map - Slice A



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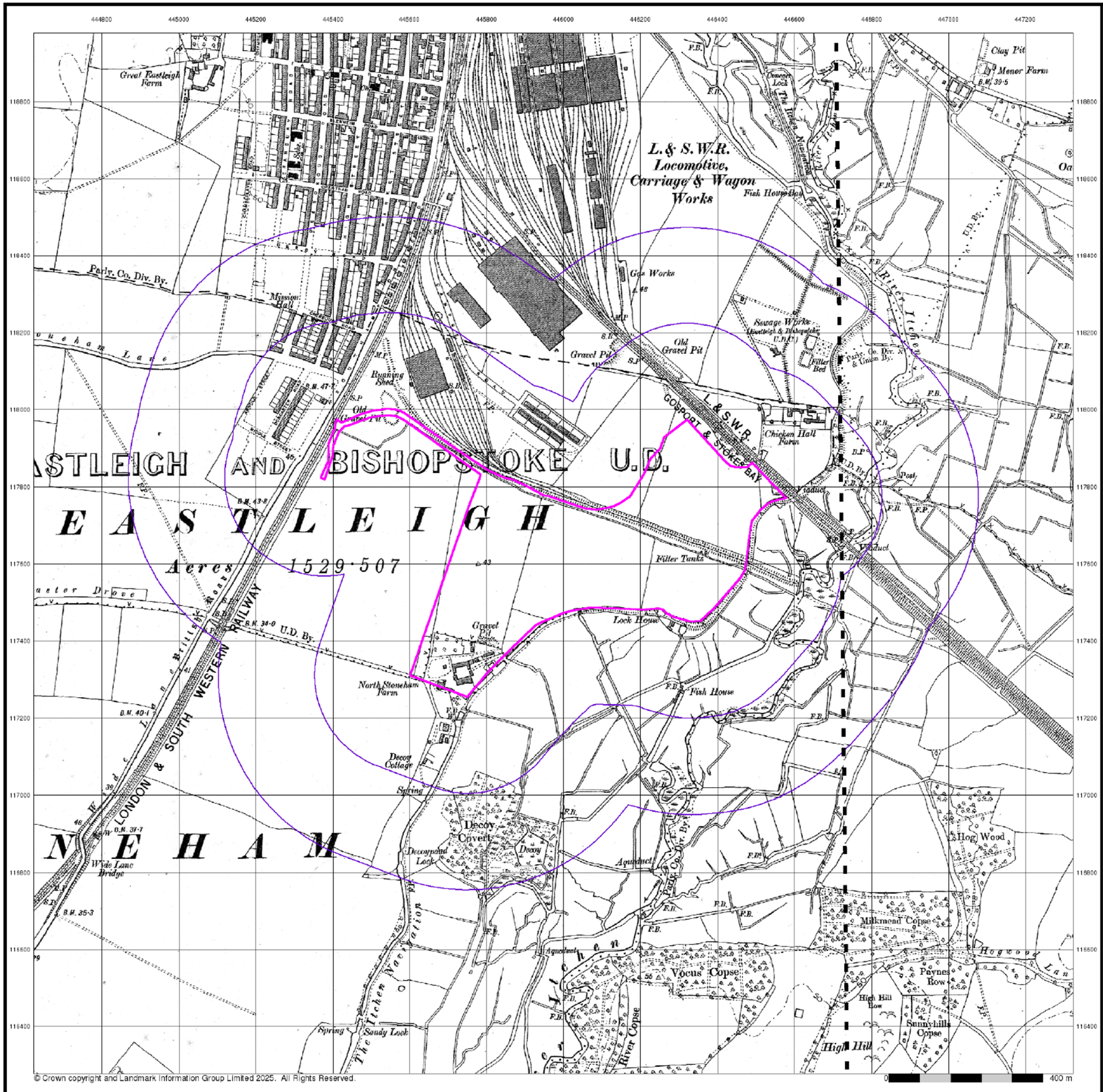

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Hampshire & Isle Of Wight

Published 1910 - 1911

Source map scale - 1:10,560

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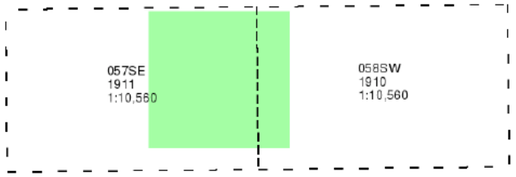
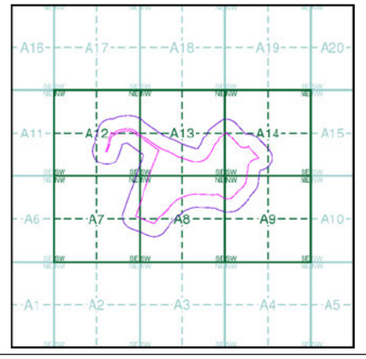


Historical Map - Slice A



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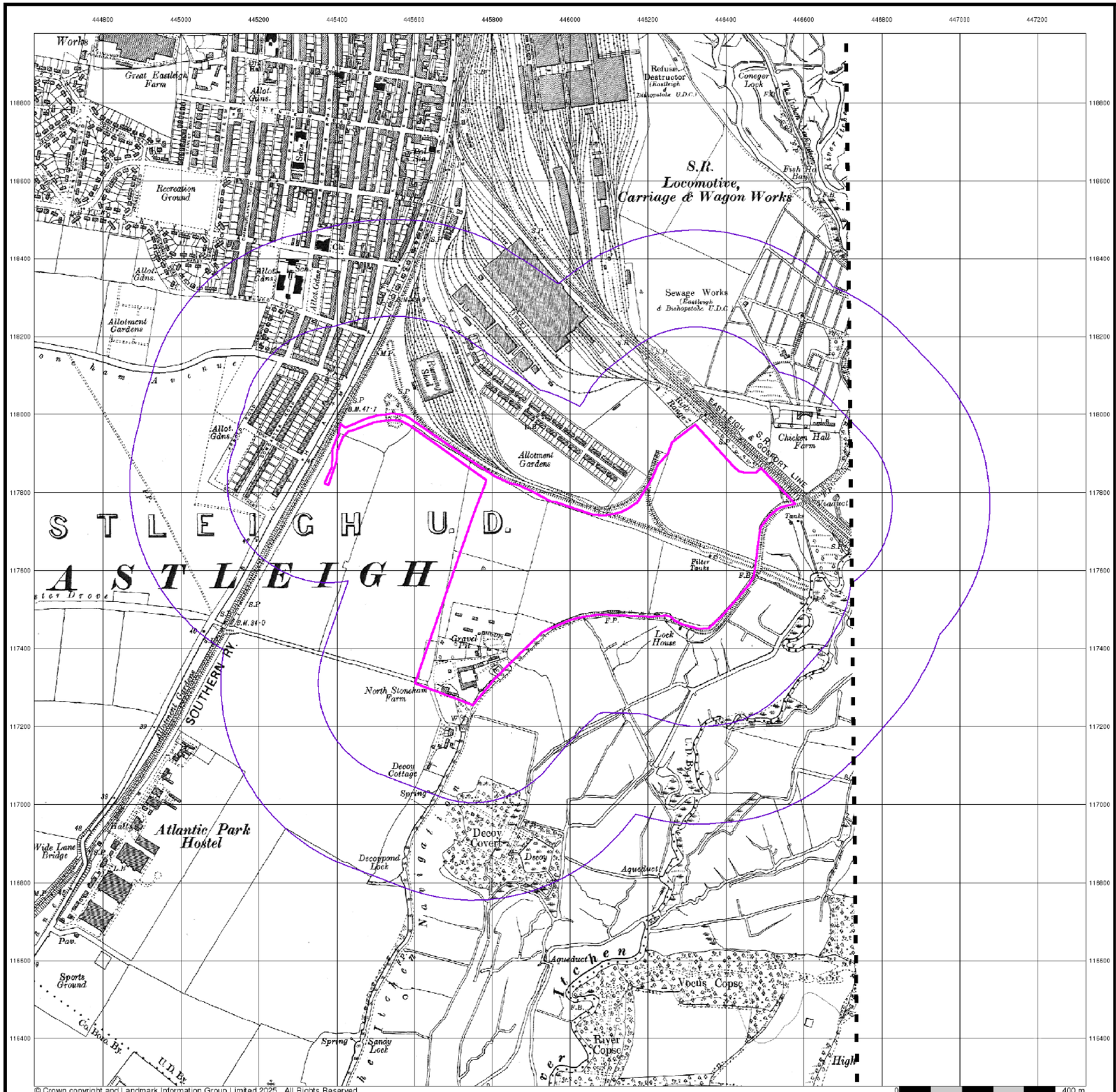

Hampshire & Isle Of Wight

Published 1931

Source map scale - 1:10,560

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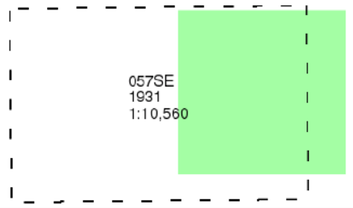
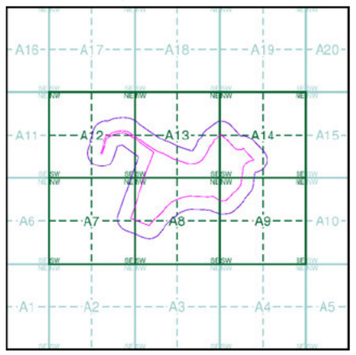


Historical Map - Slice A



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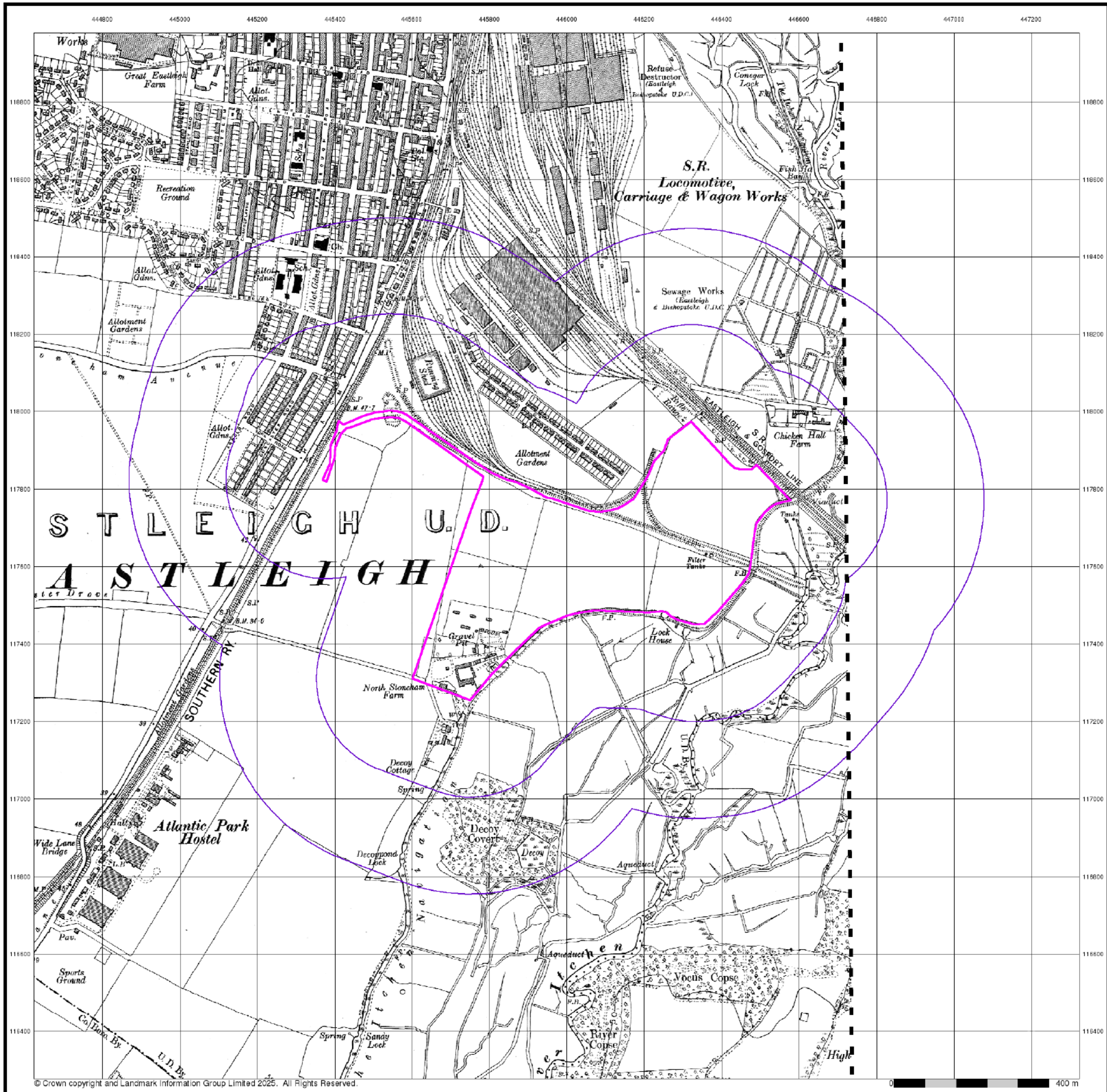

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Hampshire & Isle Of Wight

Published 1931

Source map scale - 1:10,560

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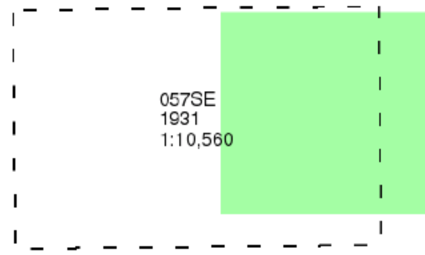
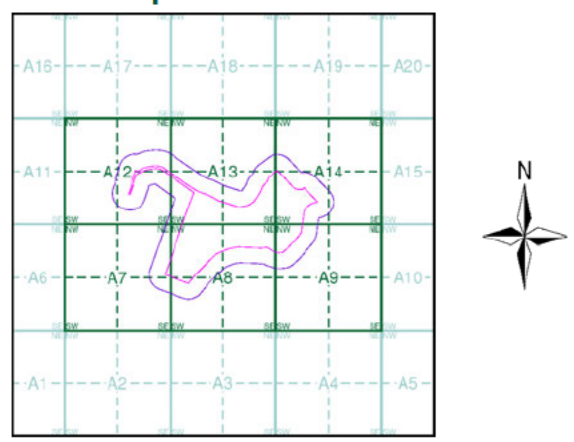


Historical Map - Slice A



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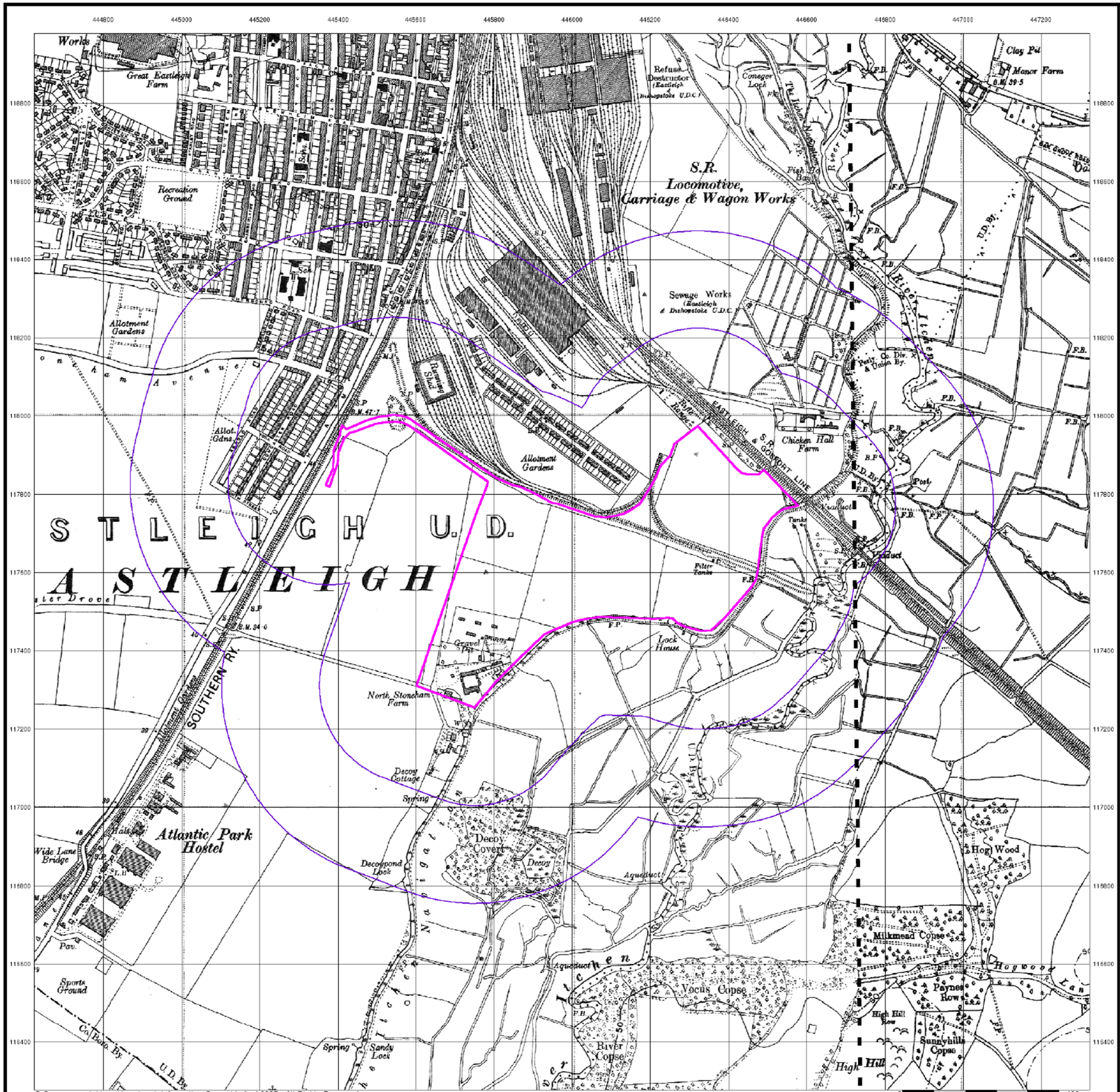

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Hampshire & Isle Of Wight

Published 1938 - 1939

Source map scale - 1:10,560

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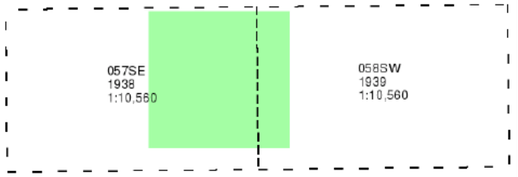
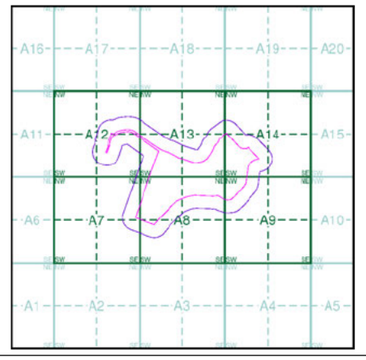
Map Name(s) and Date(s)



Historical Map - Slice A



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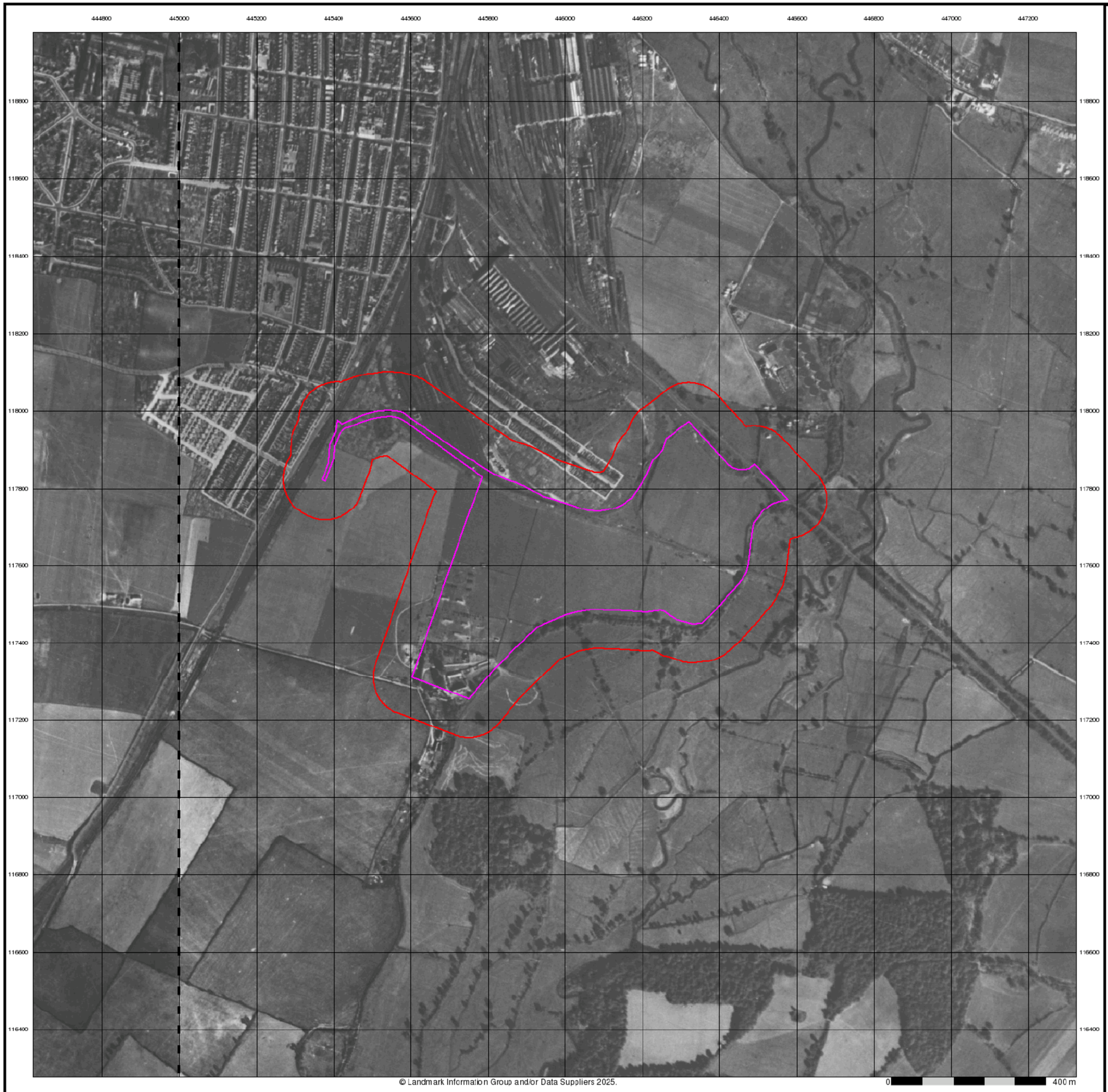

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Historical Aerial Photography

Published 1947 - 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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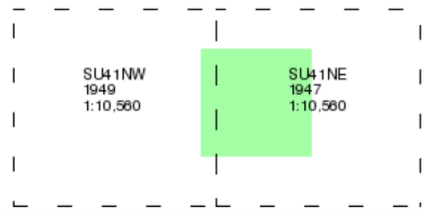
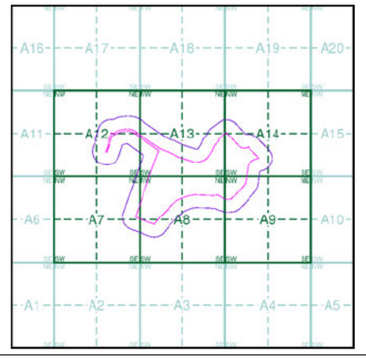
Map Name(s) and Date(s)



Historical Aerial Photography - Slice A



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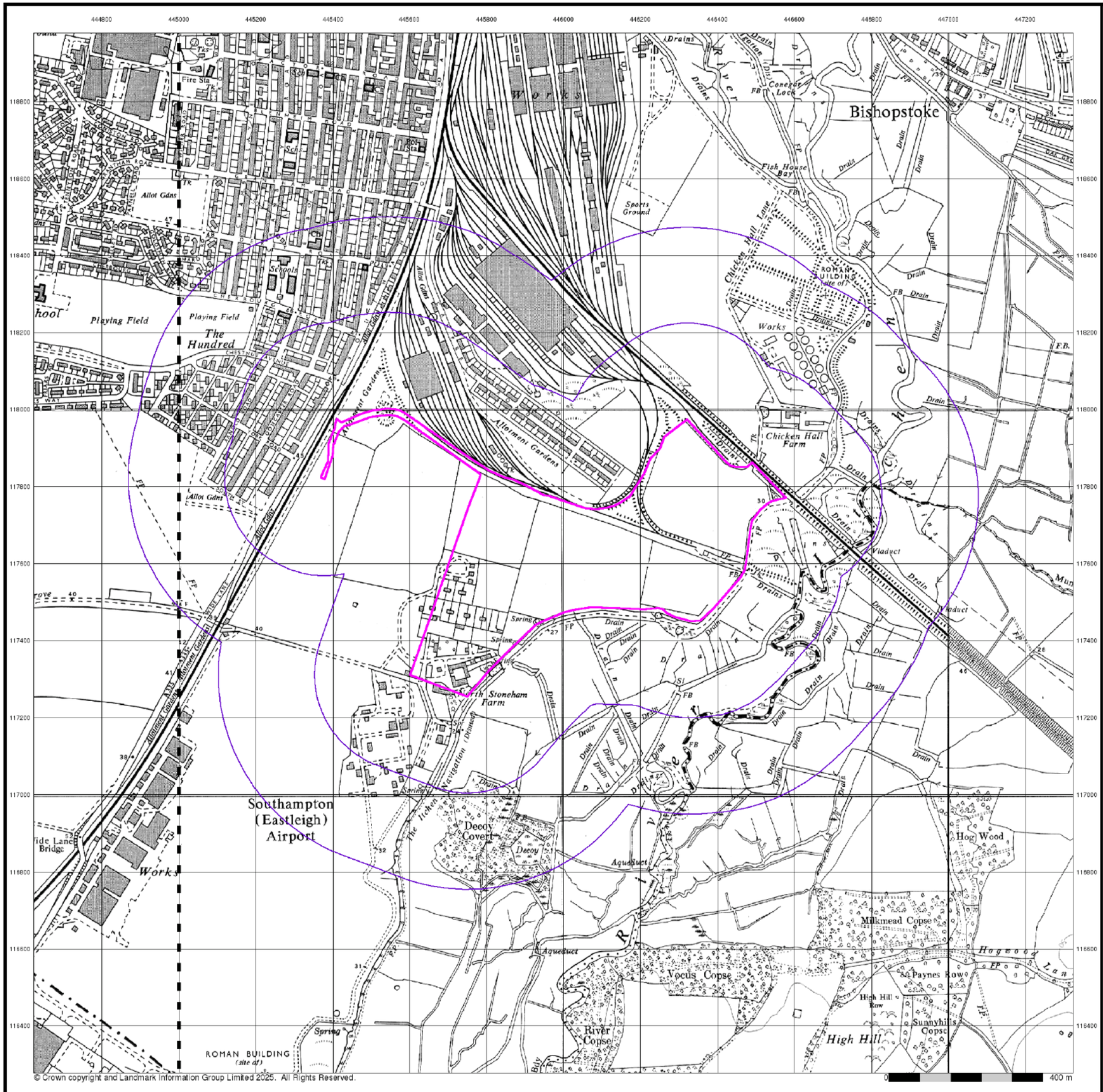

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Ordnance Survey Plan

Published 1963

Source map scale - 1:10,000

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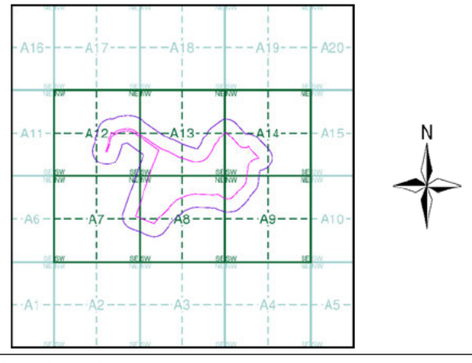
Map Name(s) and Date(s)

SU41NW	SU41NE
1963	1963
1:10,560	1:10,560

Historical Map - Slice A



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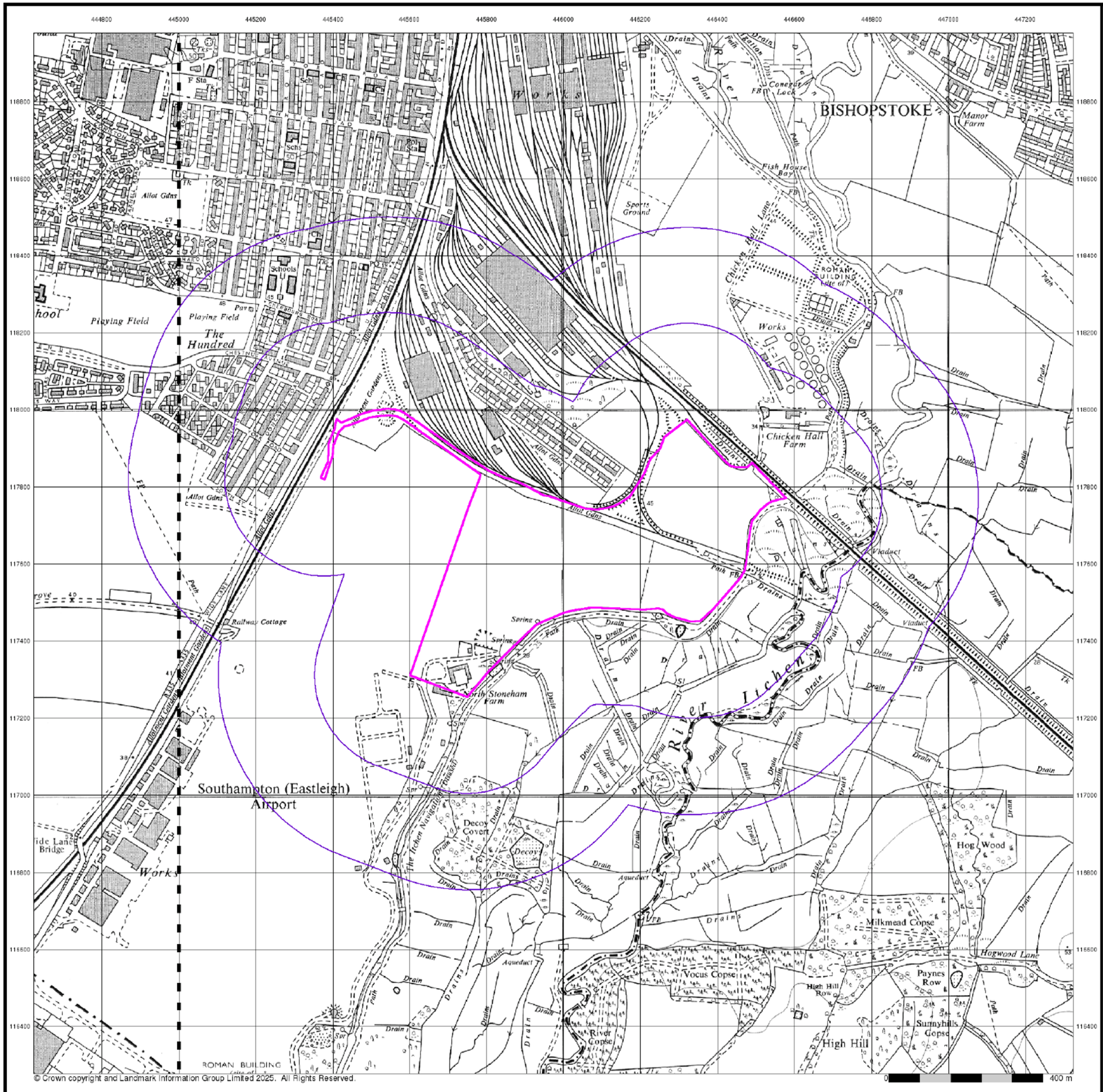

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Ordnance Survey Plan

Published 1963 - 1968

Source map scale - 1:10,000

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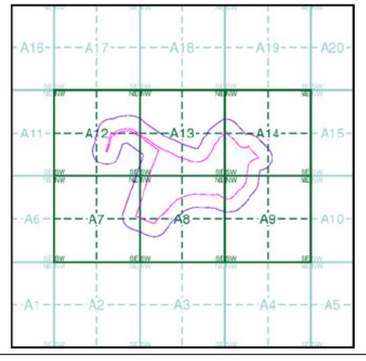
Map Name(s) and Date(s)

SU41NW	SU41NE
1963	1968
1:10,560	1:10,560

Historical Map - Slice A



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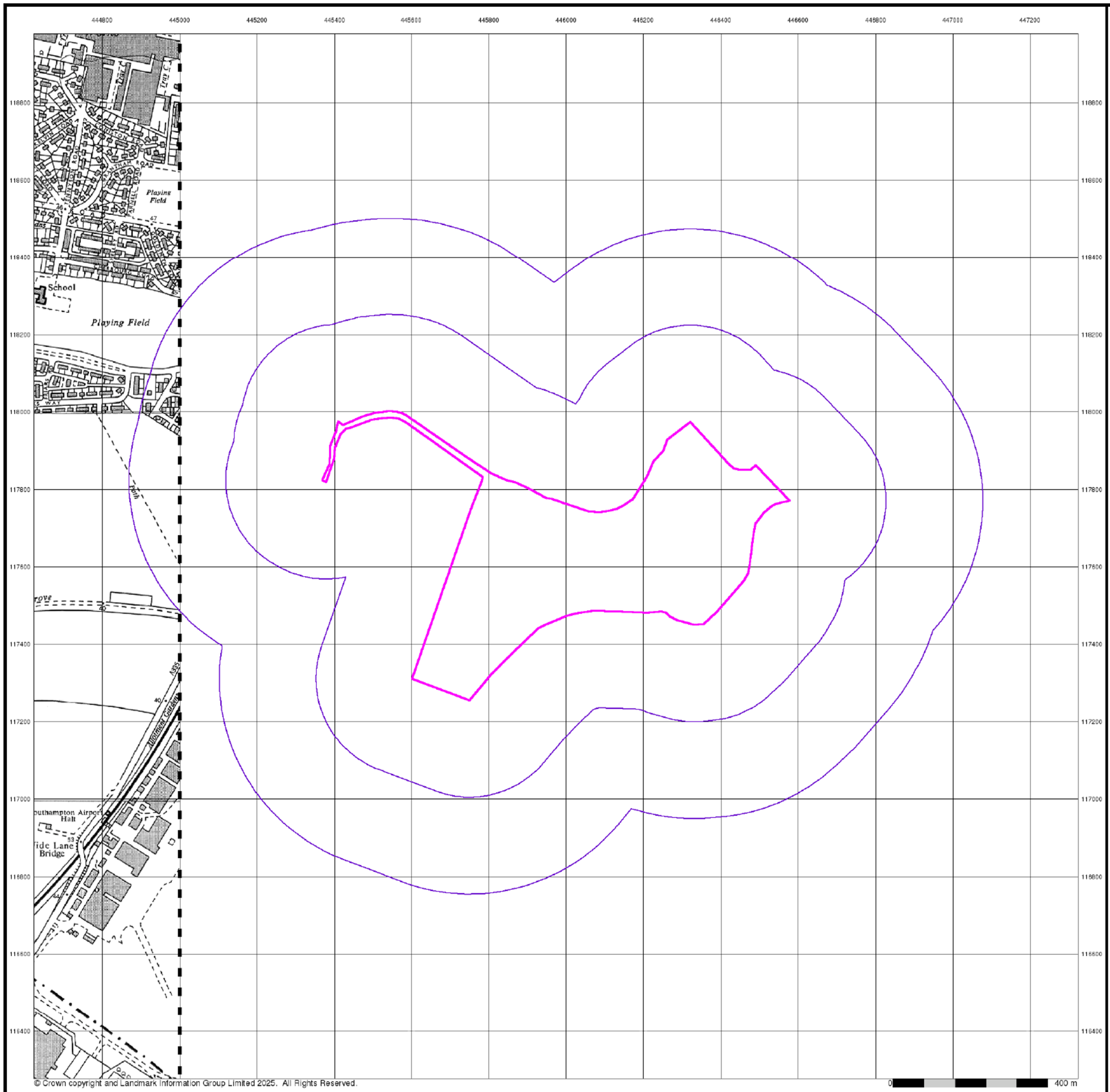

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Ordnance Survey Plan

Published 1969

Source map scale - 1:10,000

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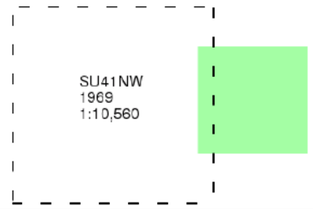
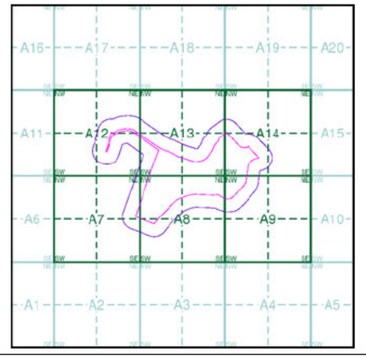


Historical Map - Slice A



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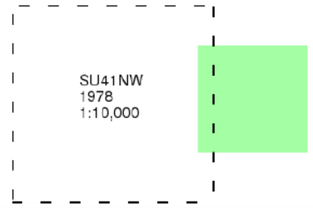
Ordnance Survey Plan

Published 1978

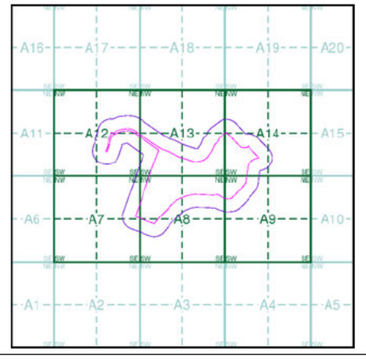
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



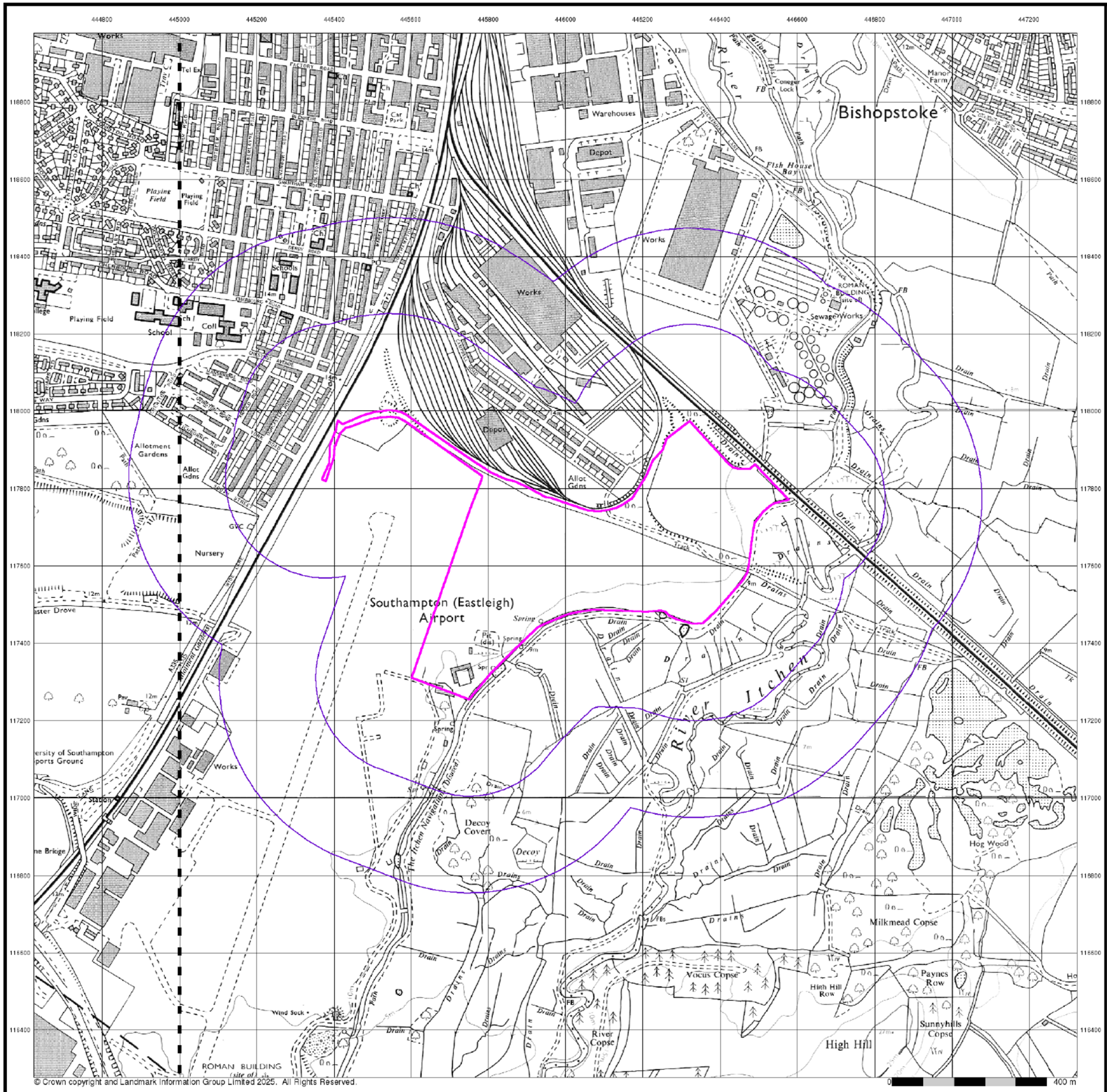
Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	500

Site Details

Mitchell Way, Southampton, SO50 5QJ

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



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Geo2™

Ordnance Survey Plan

Published 1983 - 1989

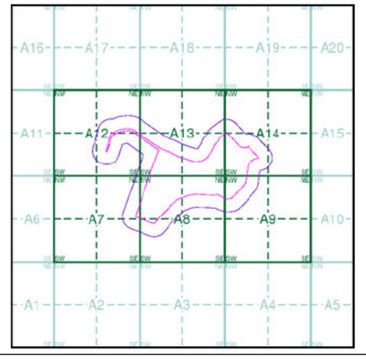
Source map scale - 1:10,000

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)

SU41NW	SU41NE
1989	1983
1:10,000	1:10,000

Historical Map - Slice A



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
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Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	500

Site Details

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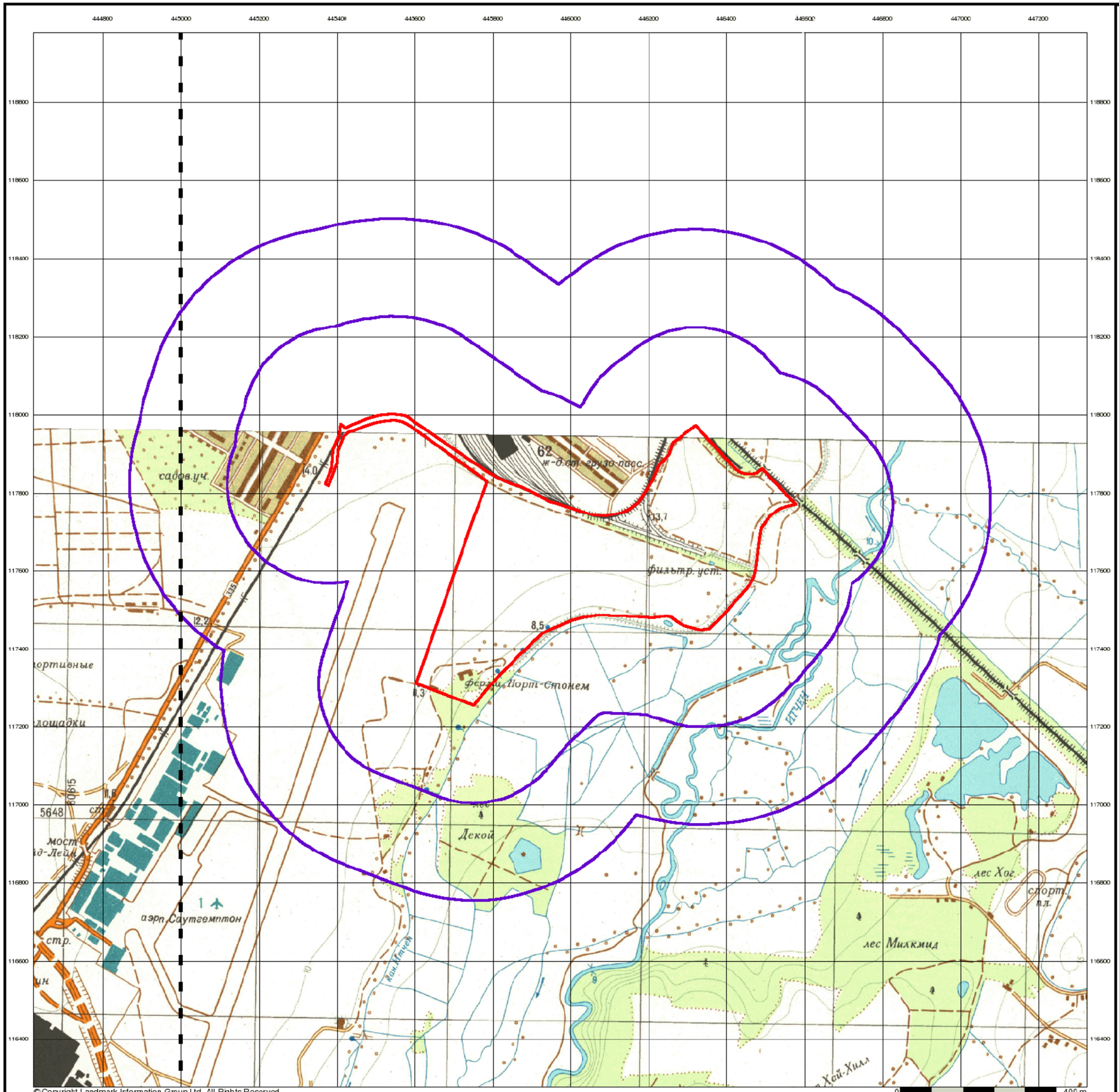

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Geo2™

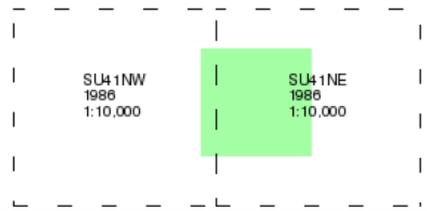
Southampton

Published 1986

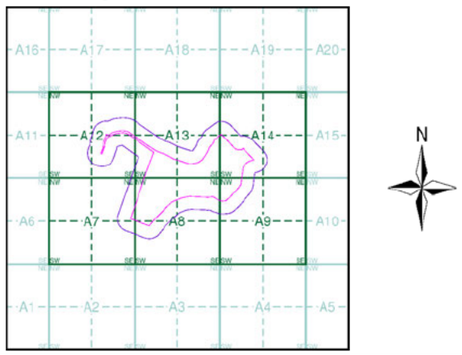
Source map scale - 1:10,000

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)



Russian Map - Slice A



Order Details

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Customer Ref:	4362
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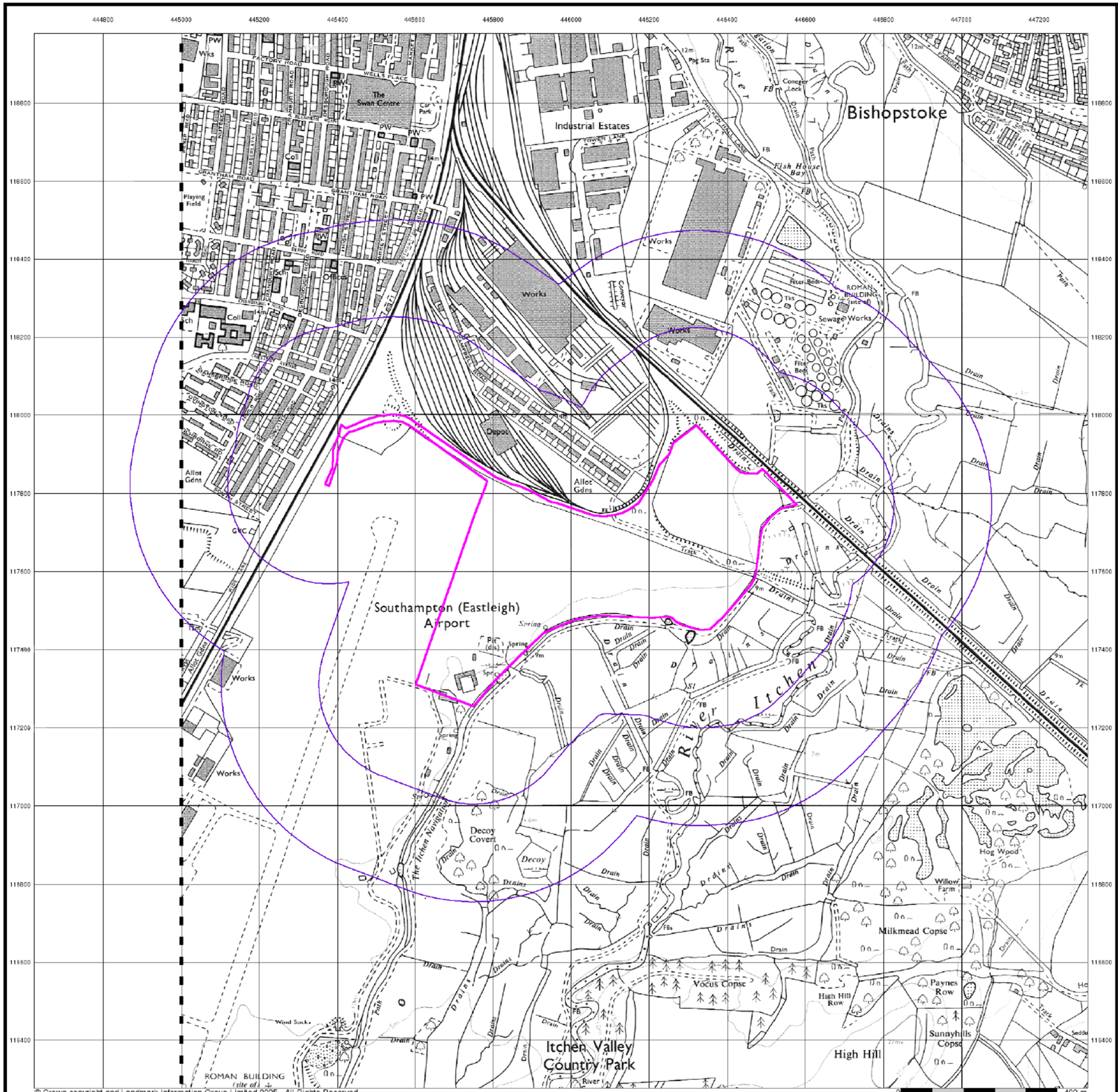

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Geo2™

Ordnance Survey Plan

Published 1990

Source map scale - 1:10,000

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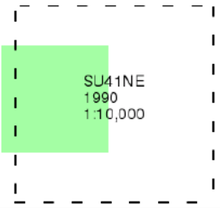
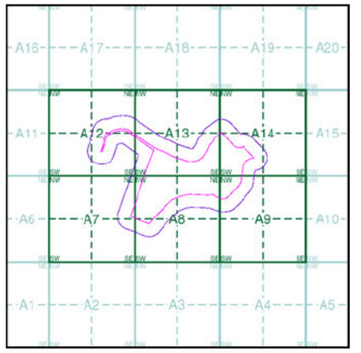
Map Name(s) and Date(s)



Historical Map - Slice A



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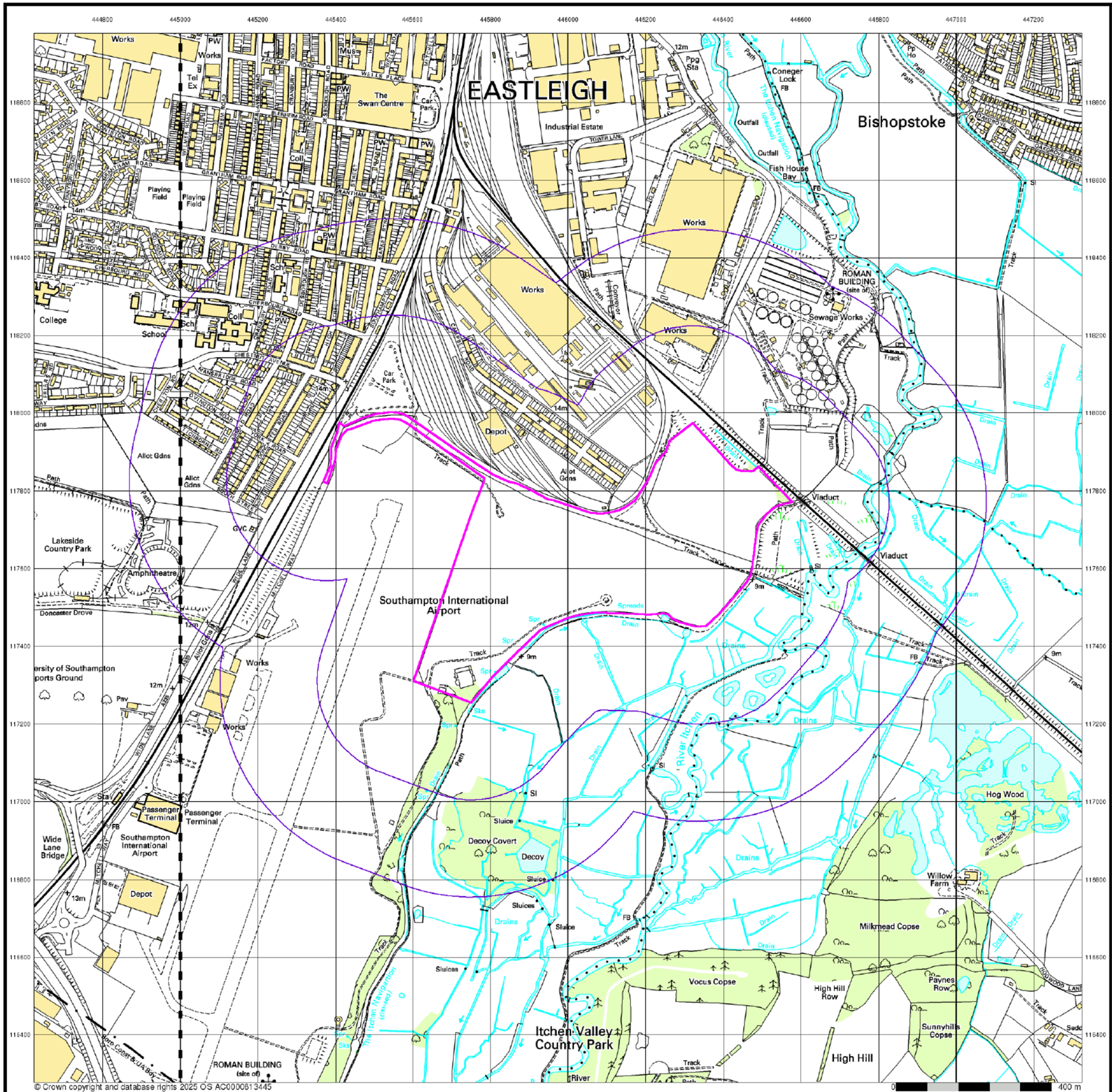


Geo2™

10k Raster Mapping

Published 2000

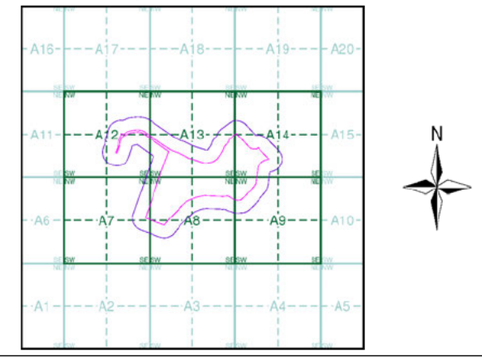
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SU41NW	SU41NE
2000	2000
1:10,000	1:10,000

Historical Map - Slice A



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	500

Site Details

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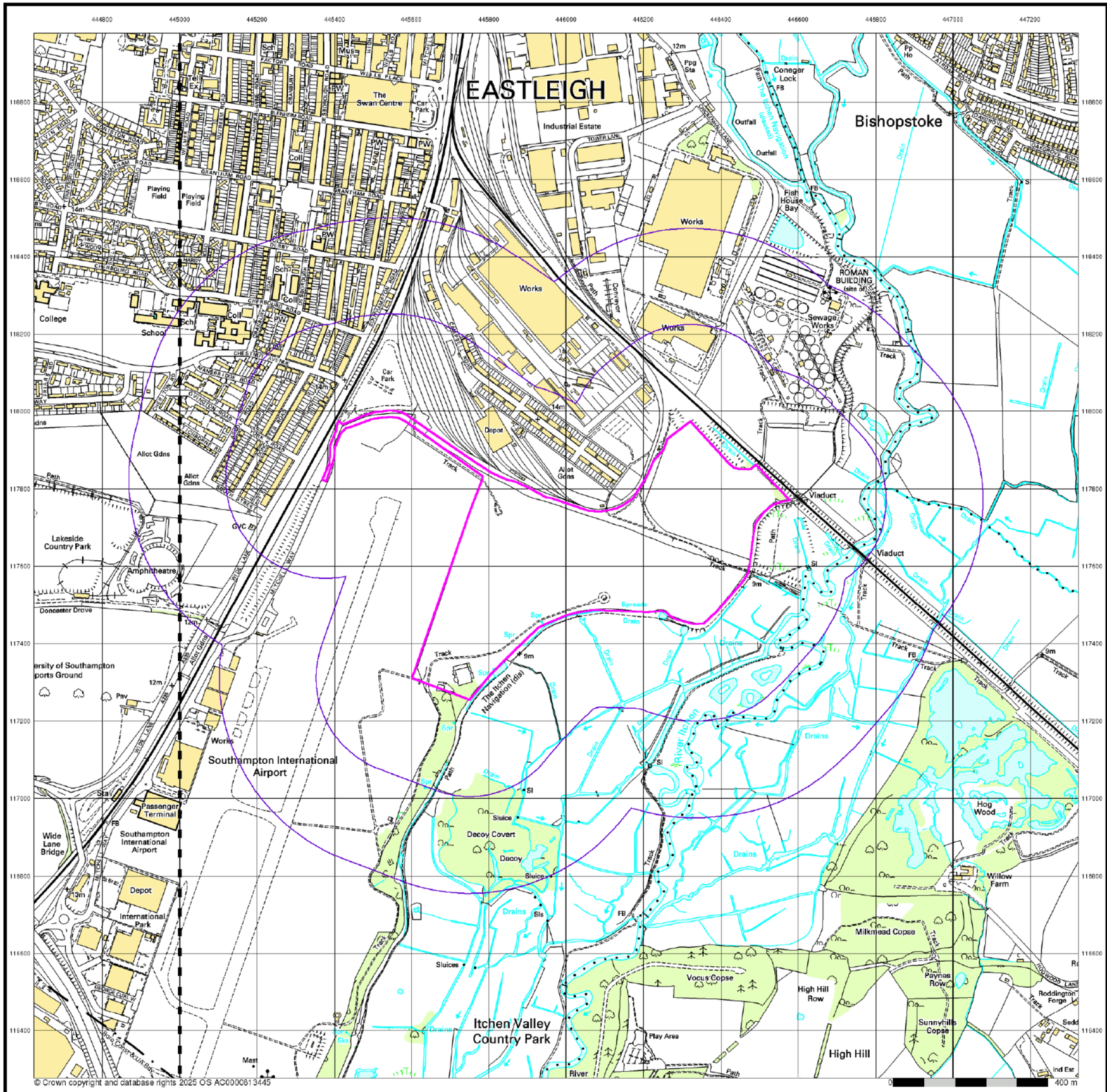

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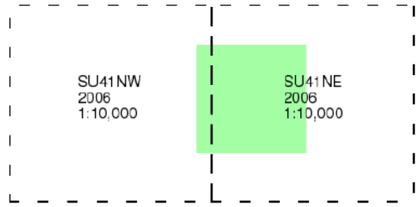
10k Raster Mapping

Published 2006

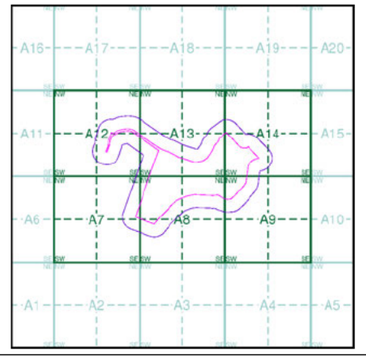
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

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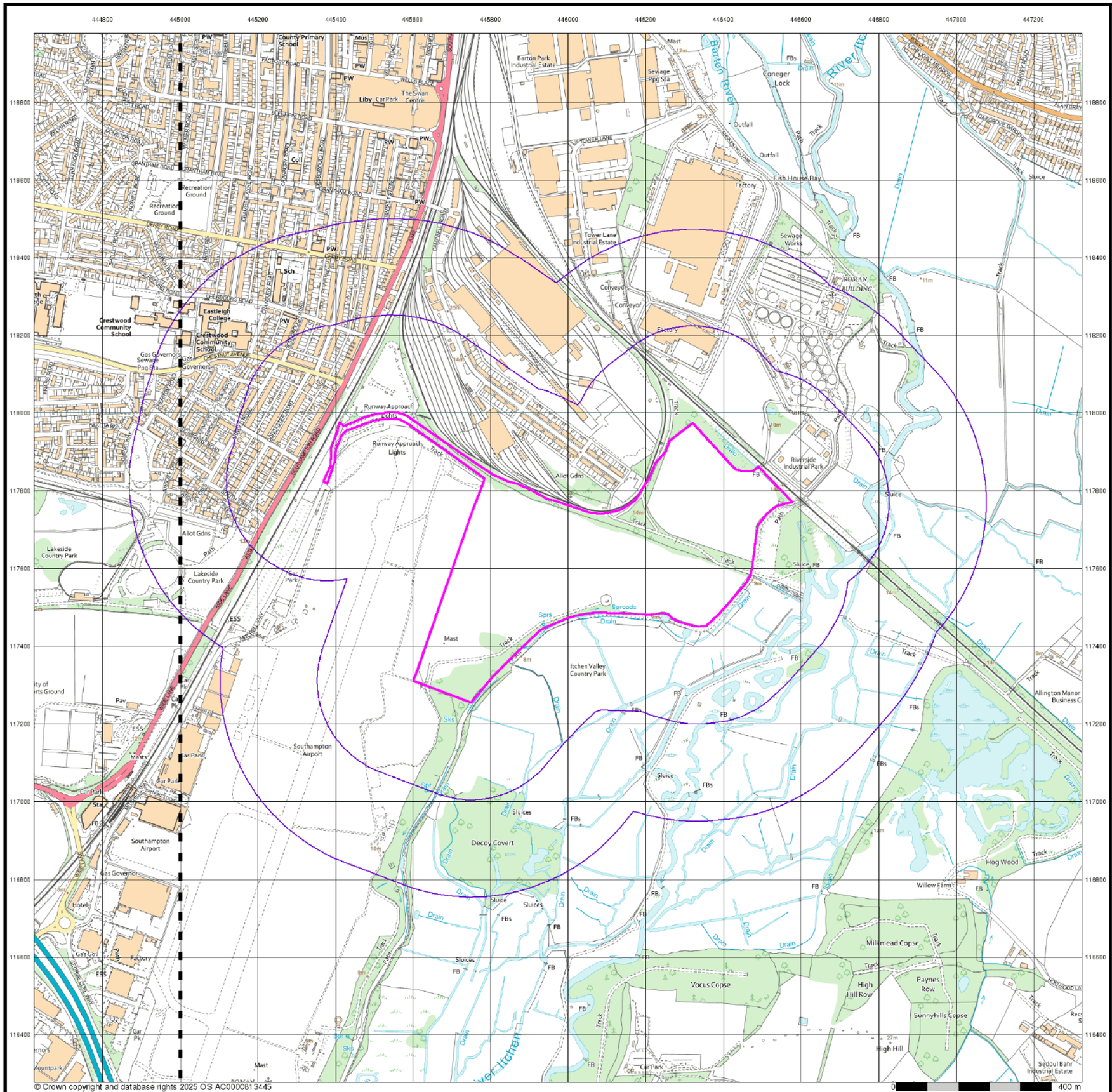

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VectorMap Local

Published 2024

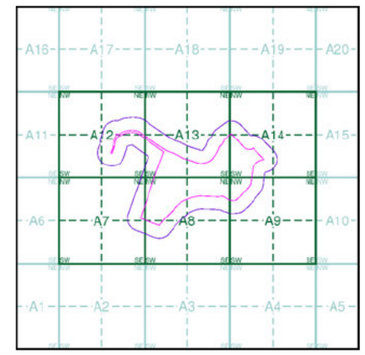
Source map scale - 1:10,000

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)

SU41NW 2024 Variable	SU41NE 2024 Variable

Historical Map - Slice A



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
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Site Details

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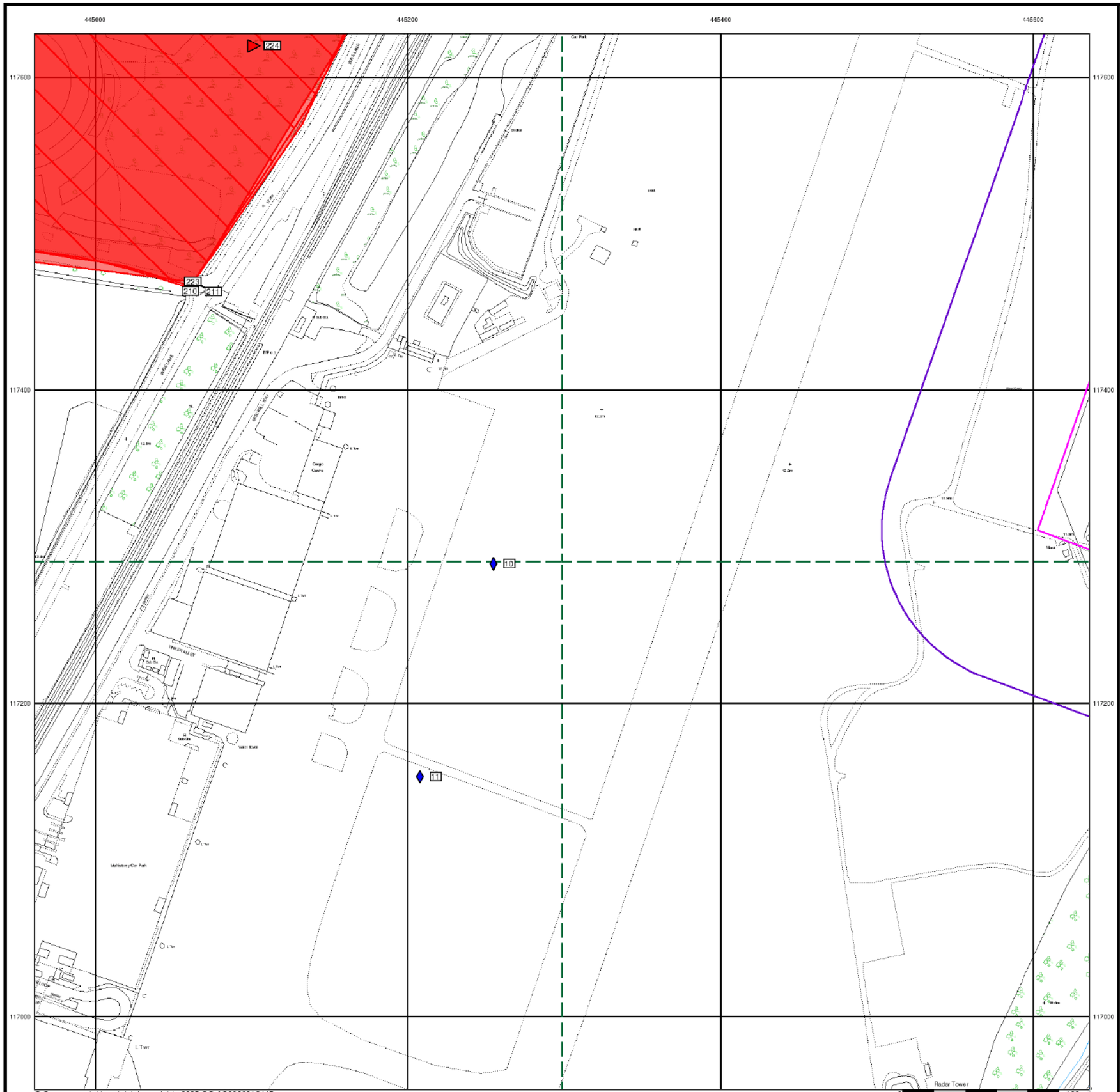

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Geo2™

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
- Historical Prosecutions
- Prosecutions
- Registered Radioactive Substance
- River Network or Water Feature
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- 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

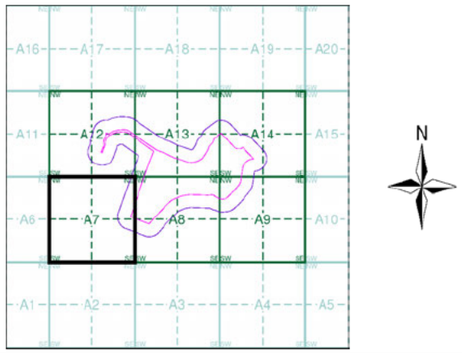
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A7



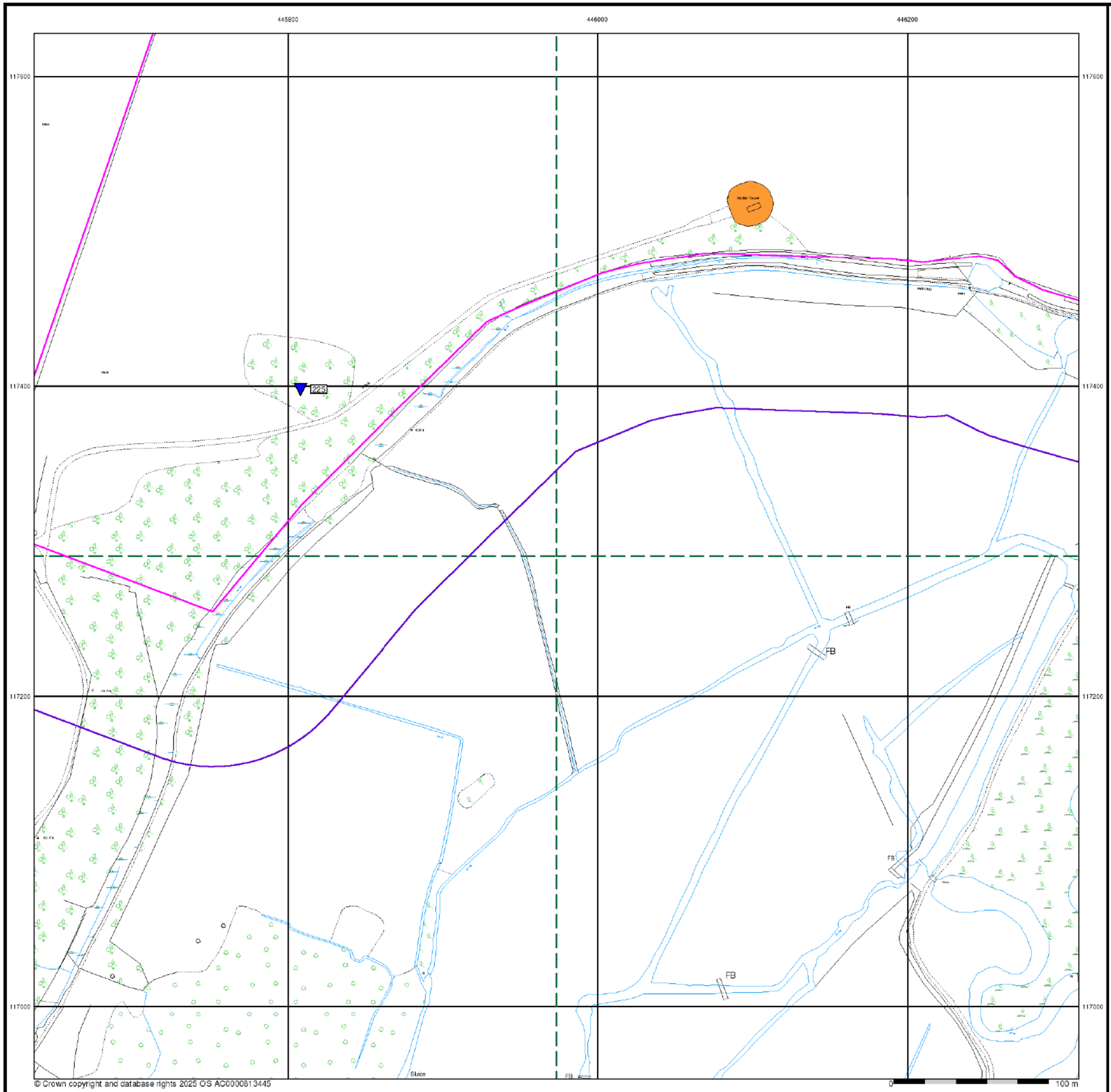
Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Plot Buffer (m):	100

Site Details

Mitchell Way, Southampton, SO50 5QJ

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



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
- Historical Prosecutions
- Prosecutions
- Registered Radioactive Substance
- River Network or Water Feature
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- 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

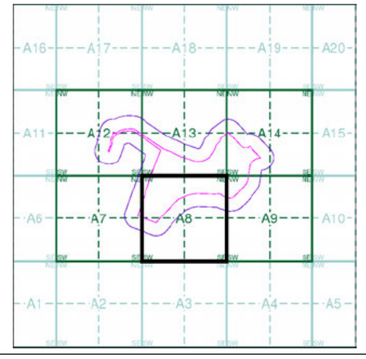
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A8



Order Details

Order Number:	366723883_1_1
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Slice:	A
Site Area (Ha):	32.62
Plot Buffer (m):	100

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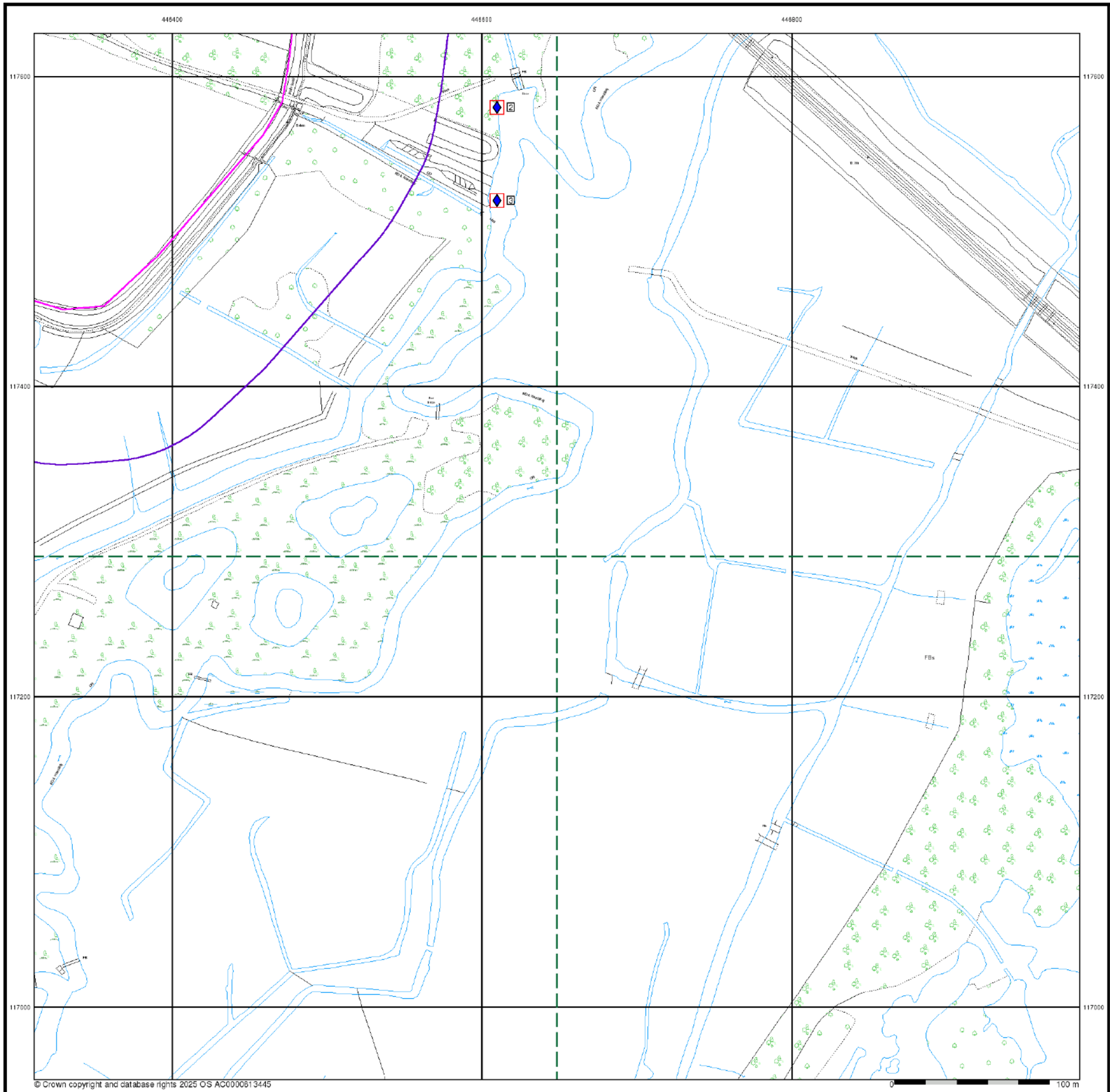

Geo2™

General

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

Agency and Hydrological

- Ccntaminated Land Register Entry or Notice (Location)
- Ccntaminated 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 Ccntrol Enforcement
- Pollution Incident to Ccntrolled Waters
- Historical Prosecutions
- Prosecutions
- Registered Radioactivs Substance
- River Network or Water Feature
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

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- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

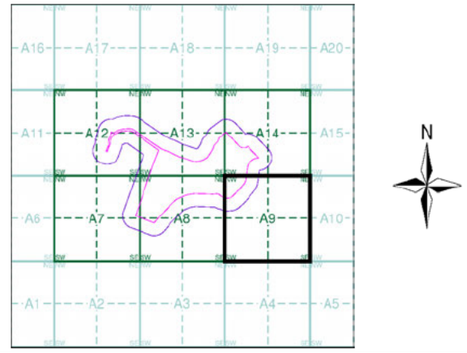
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A9



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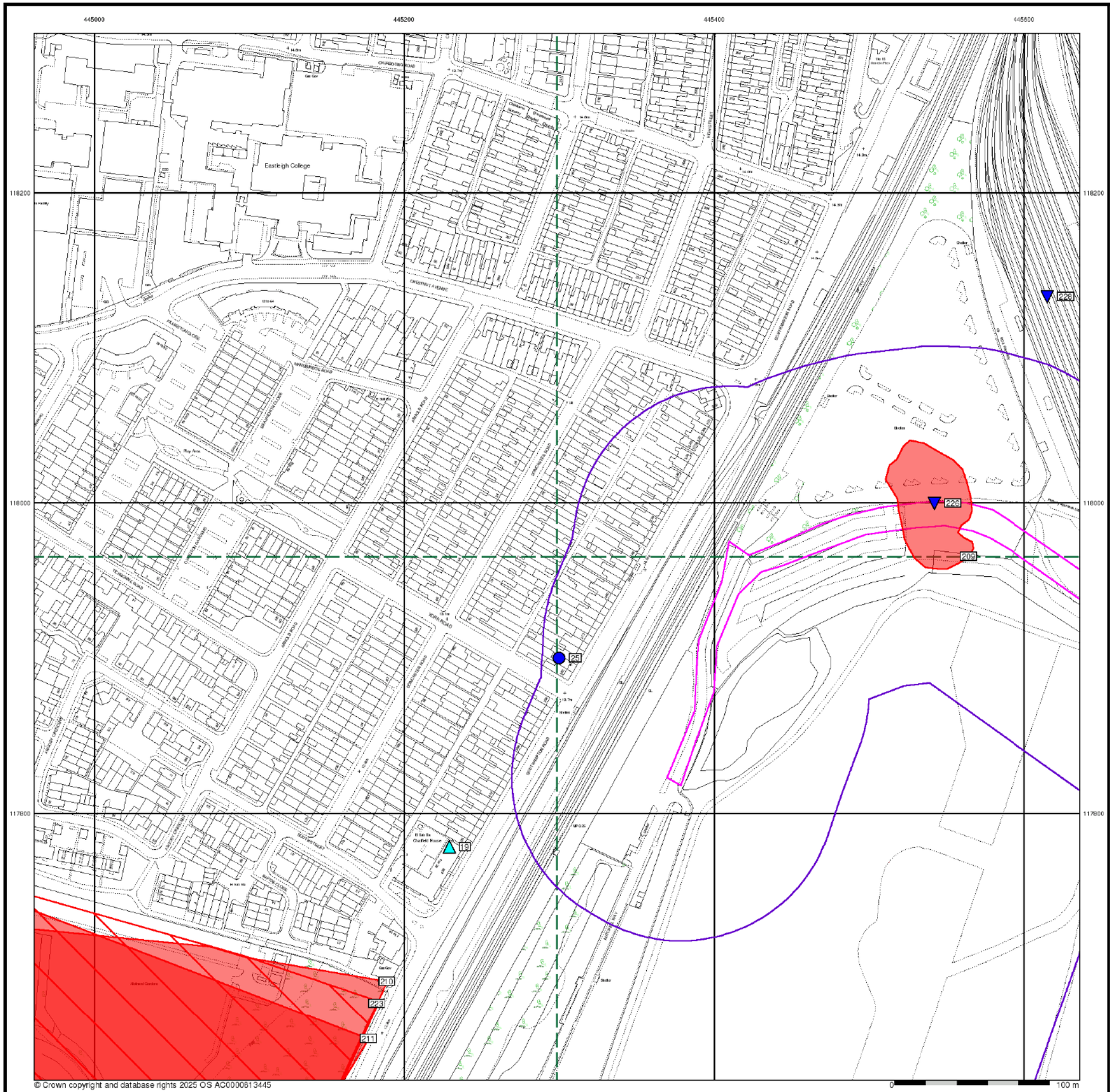

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Geo2™

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
- Historical Prosecutions
- Prosecutions
- Registered Radioactive Substance
- River Network or Water Feature
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- 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

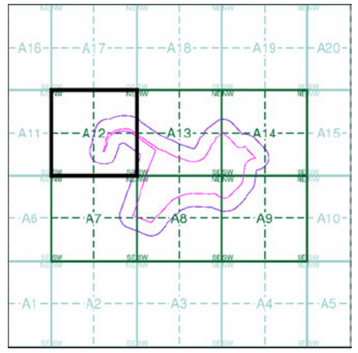
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A12



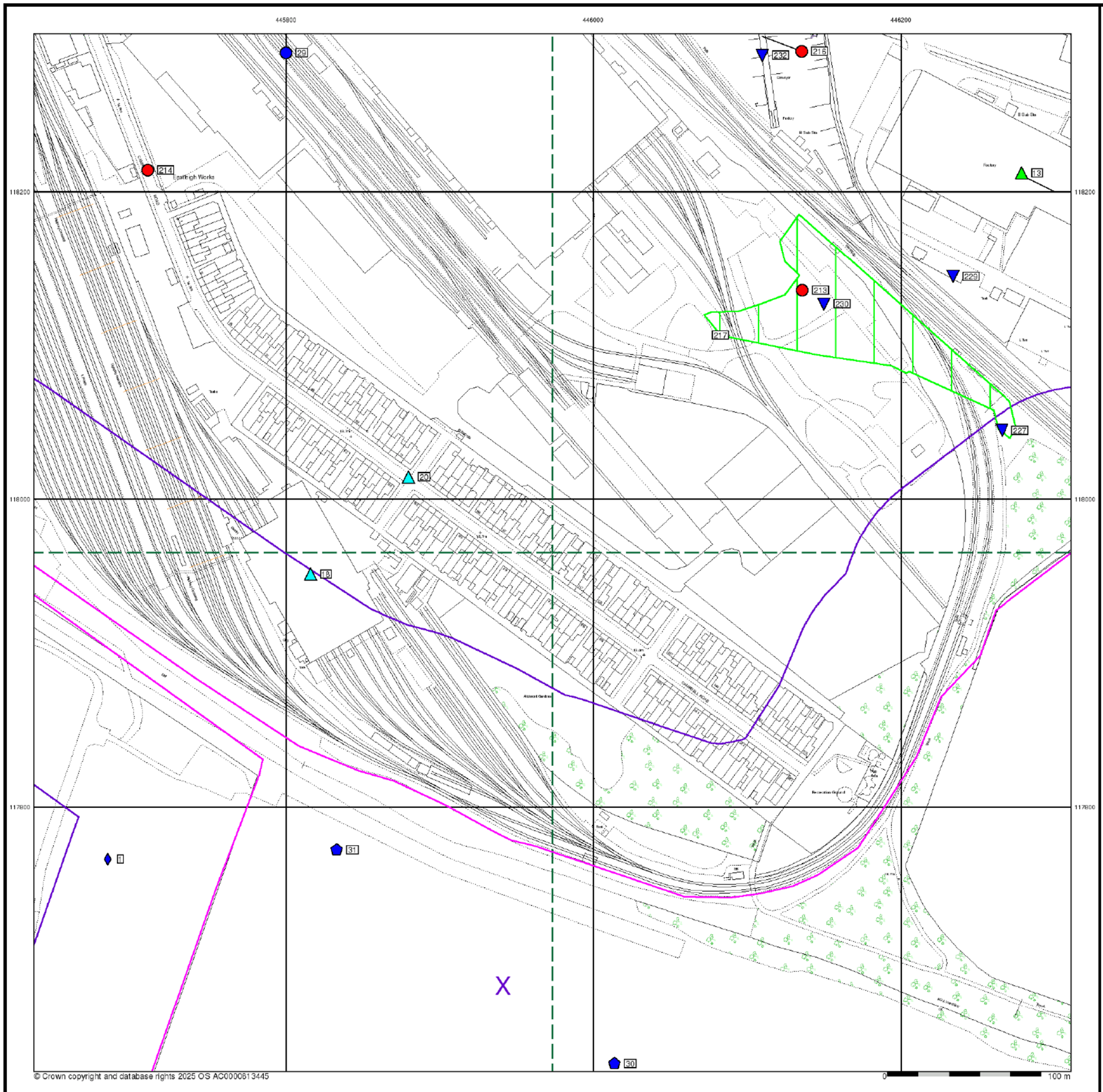
Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Plot Buffer (m):	100

Site Details

Mitchell Way, Southampton, SO50 5QJ

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



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
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- Prosecutions
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- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

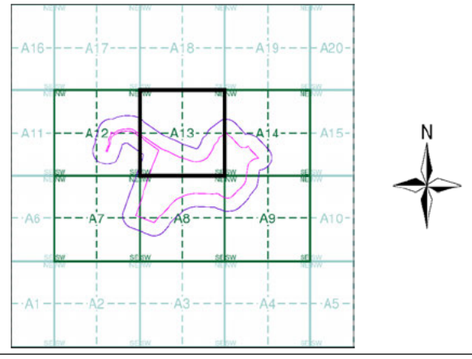
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Plot Buffer (m):	100

Site Details

Mitchell Way, Southampton, SO50 5QJ

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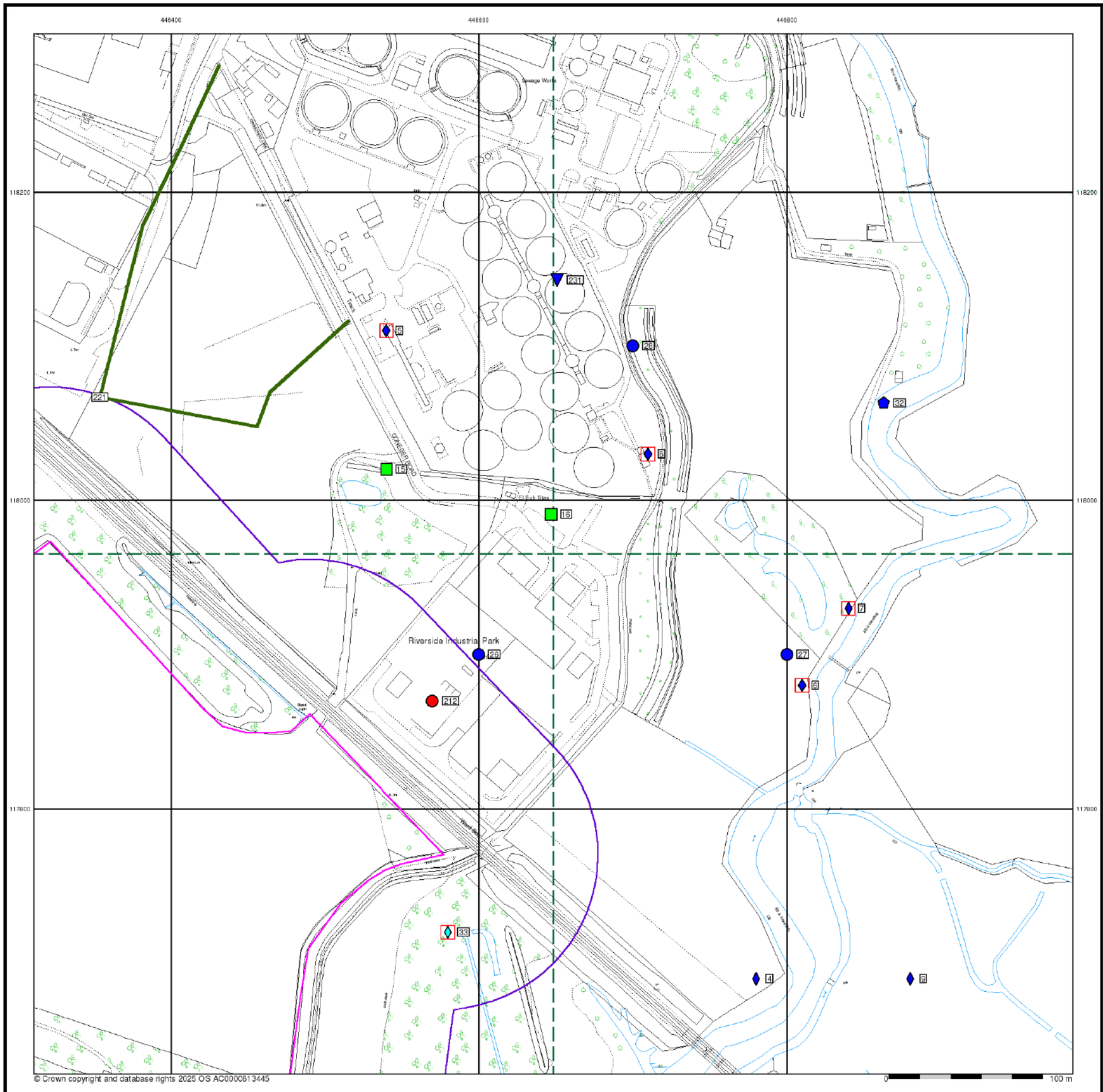
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Geo2™

General

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

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
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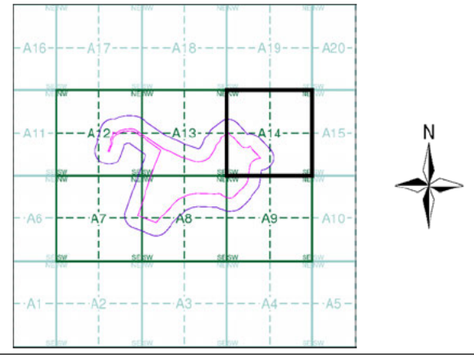
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A14



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Plot Buffer (m):	100

Site Details

Mitchell Way, Southampton, SO50 5QJ

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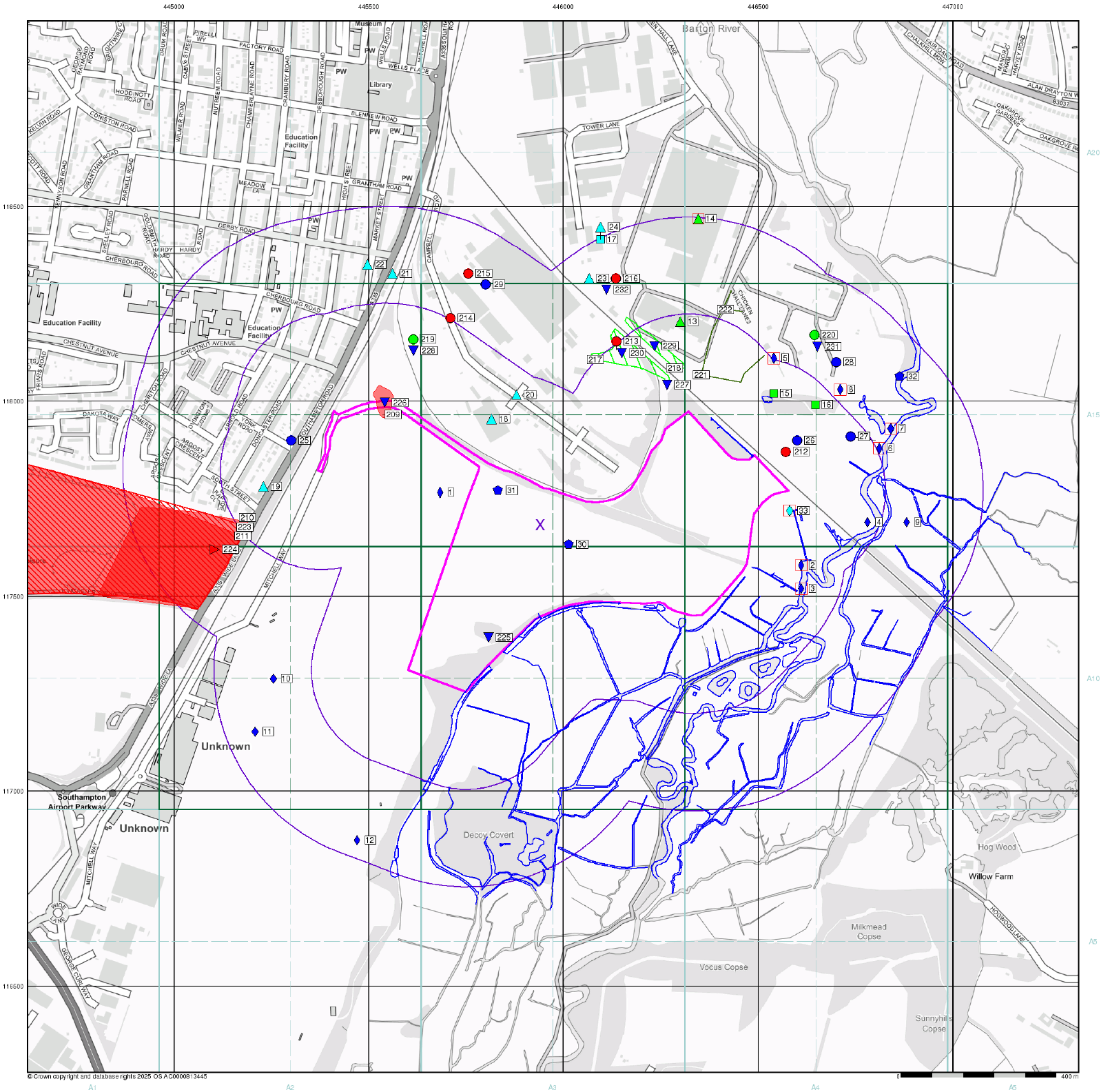
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Geo2™

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
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- Integrated Pollution Prevention Control
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- River Network or Water Feature
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Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Waste

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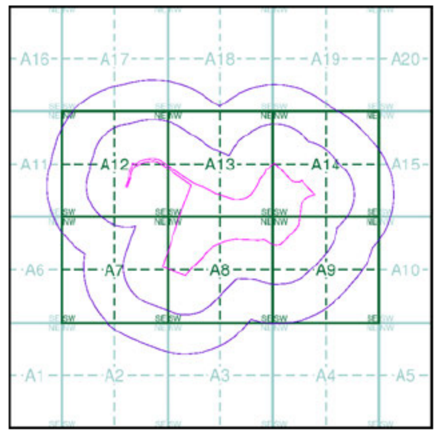
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Slice A



N

Order Details

Order Number: 366723883_1_1
Customer Ref: 4362
National Grid Reference: 445940, 117680
Slice: A
Site Area (Ha): 32.62
Search Buffer (m): 500

Site Details

Mitchell Way, Southampton, SO50 5QJ

Landmark INFORMATION GROUP

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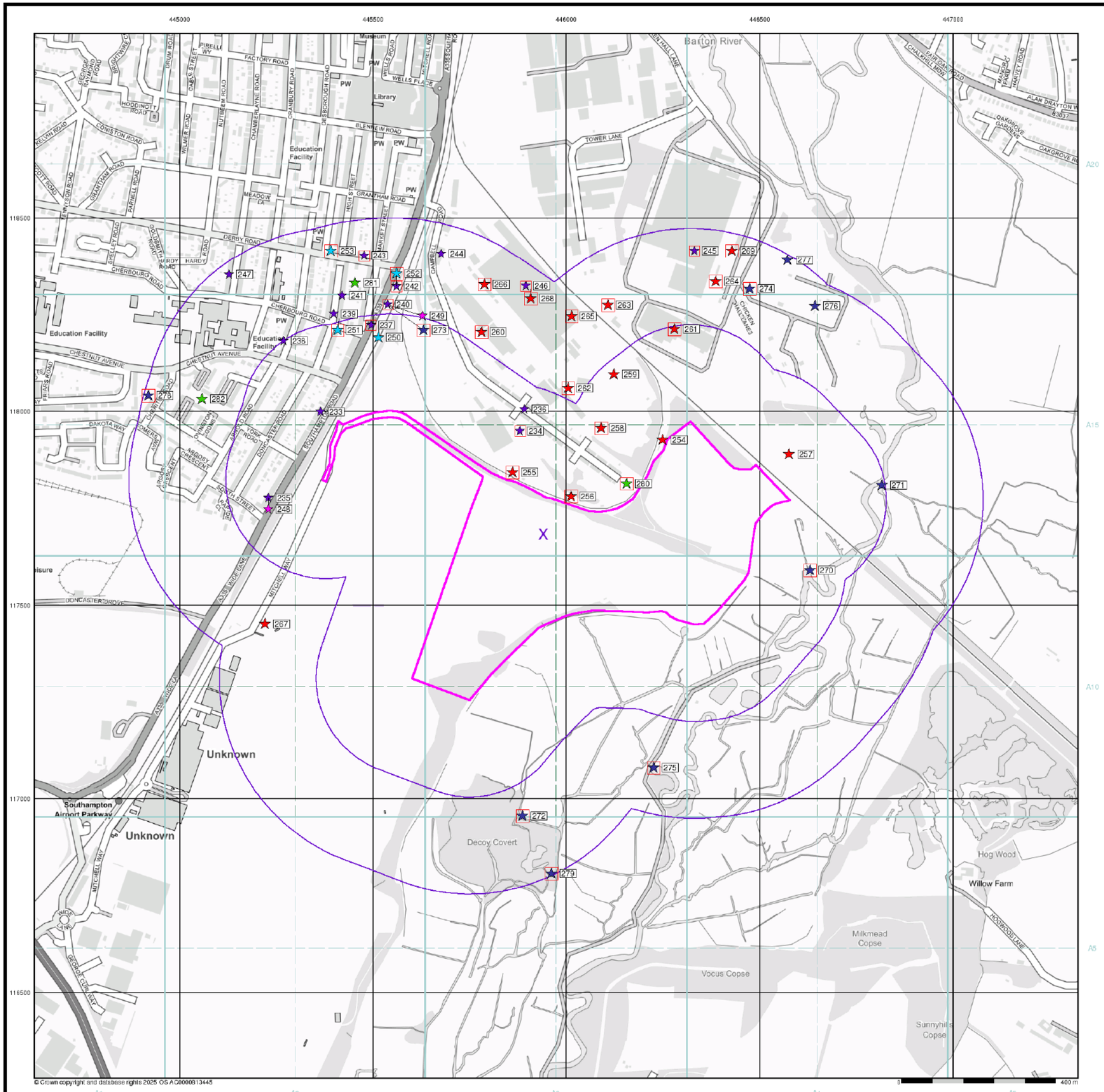


Industrial Land Use Map

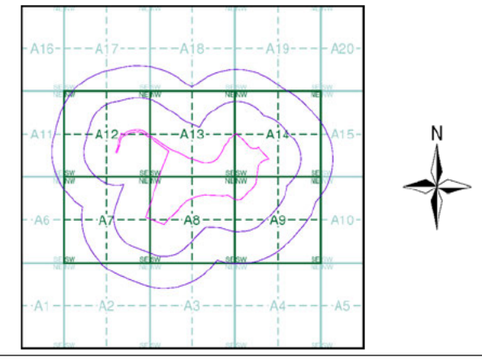
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- 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:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	500

Site Details

Mitchell Way, Southampton, SO50 5QJ

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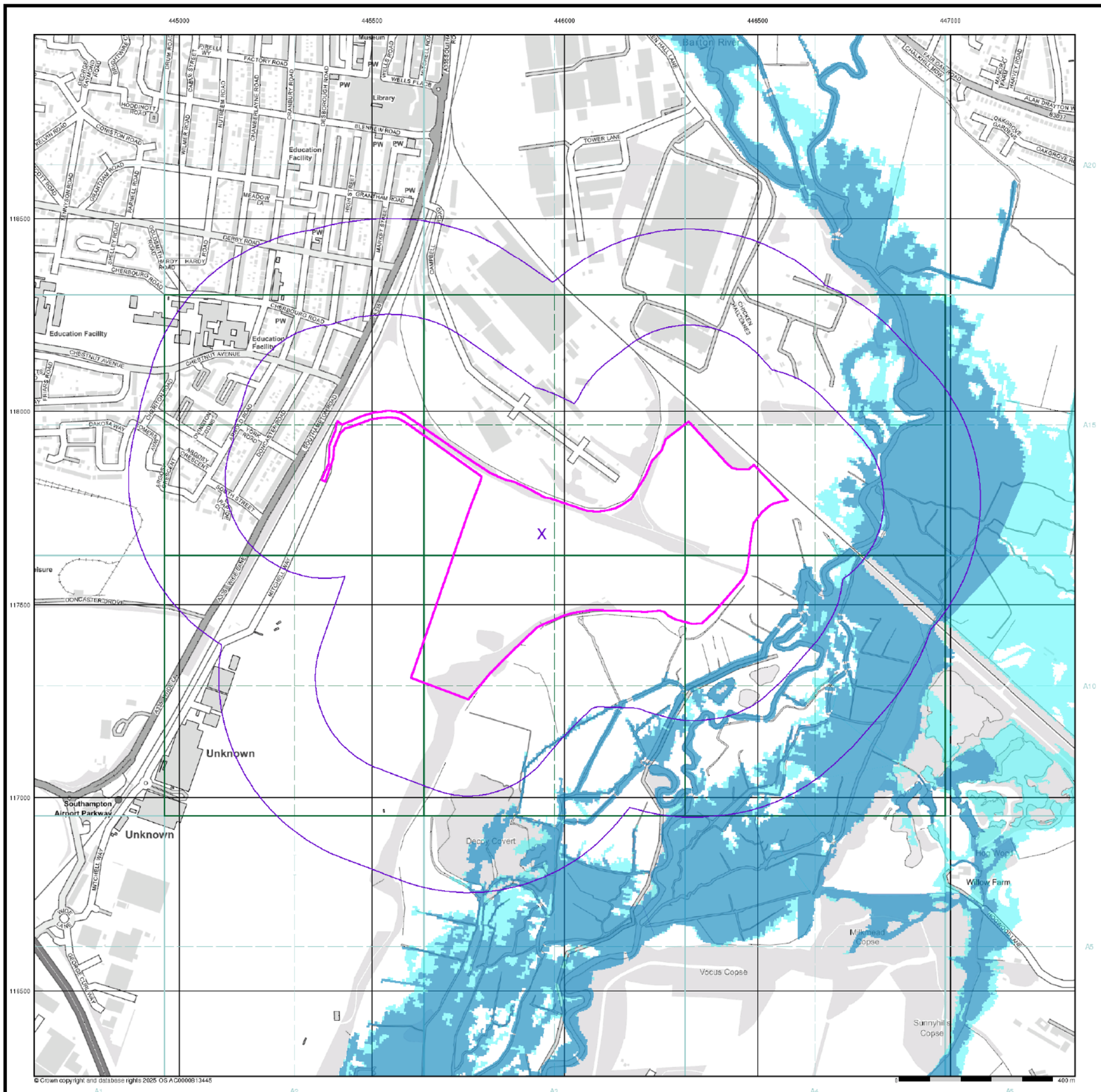


Geo2™

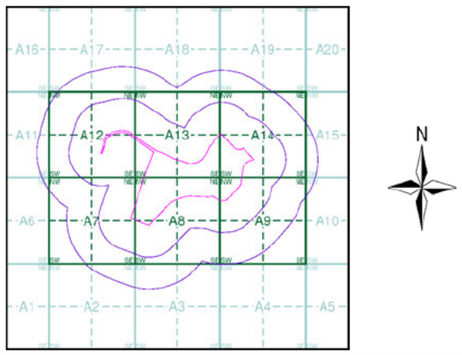
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	500

Site Details

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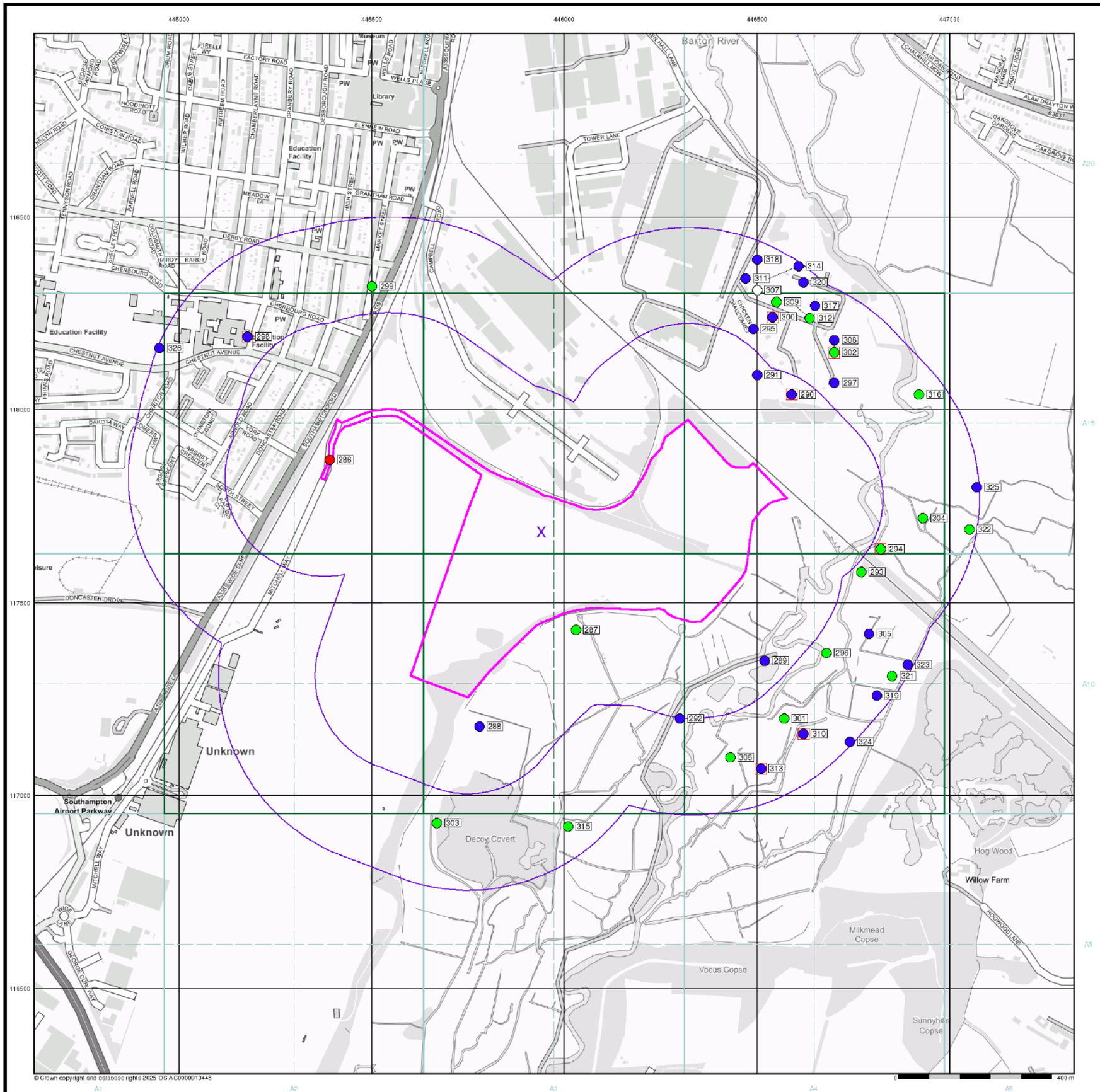


General

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

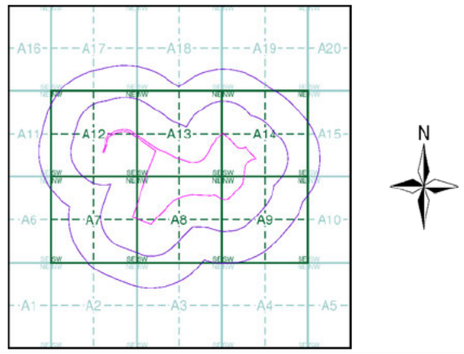
Agency and Hydrological (Boreholes)

- 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

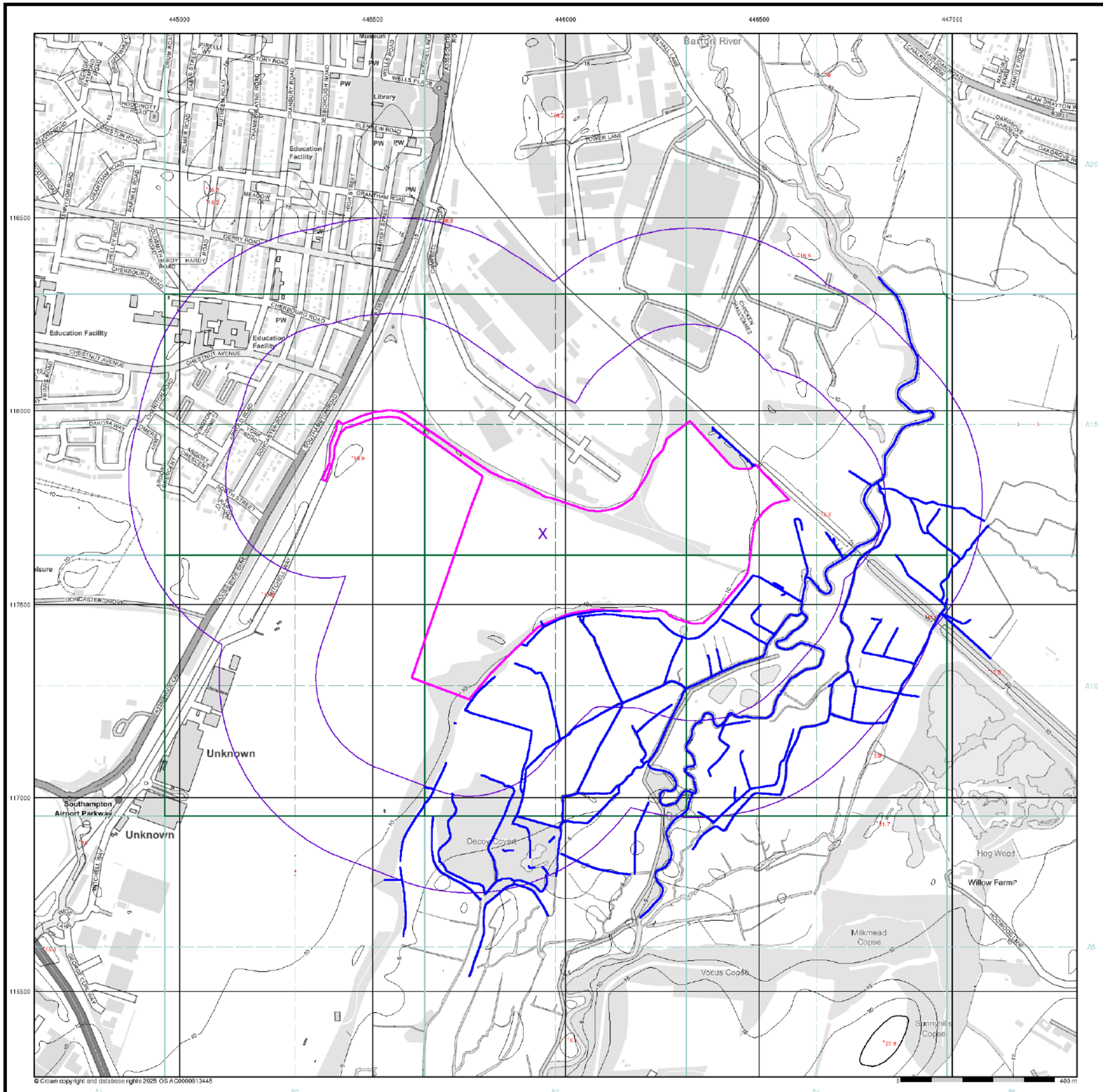


Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	500

Site Details

Mitchell Way, Southampton, SO50 5QJ



Geo2™

General

- Specified Site
- Specified Buffer(s)
- X 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)

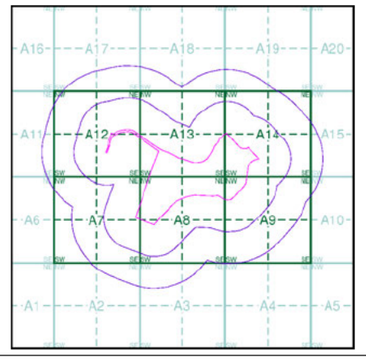
Standard Contour 105 100 95

Master Contour

Spot Height *167.3

- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



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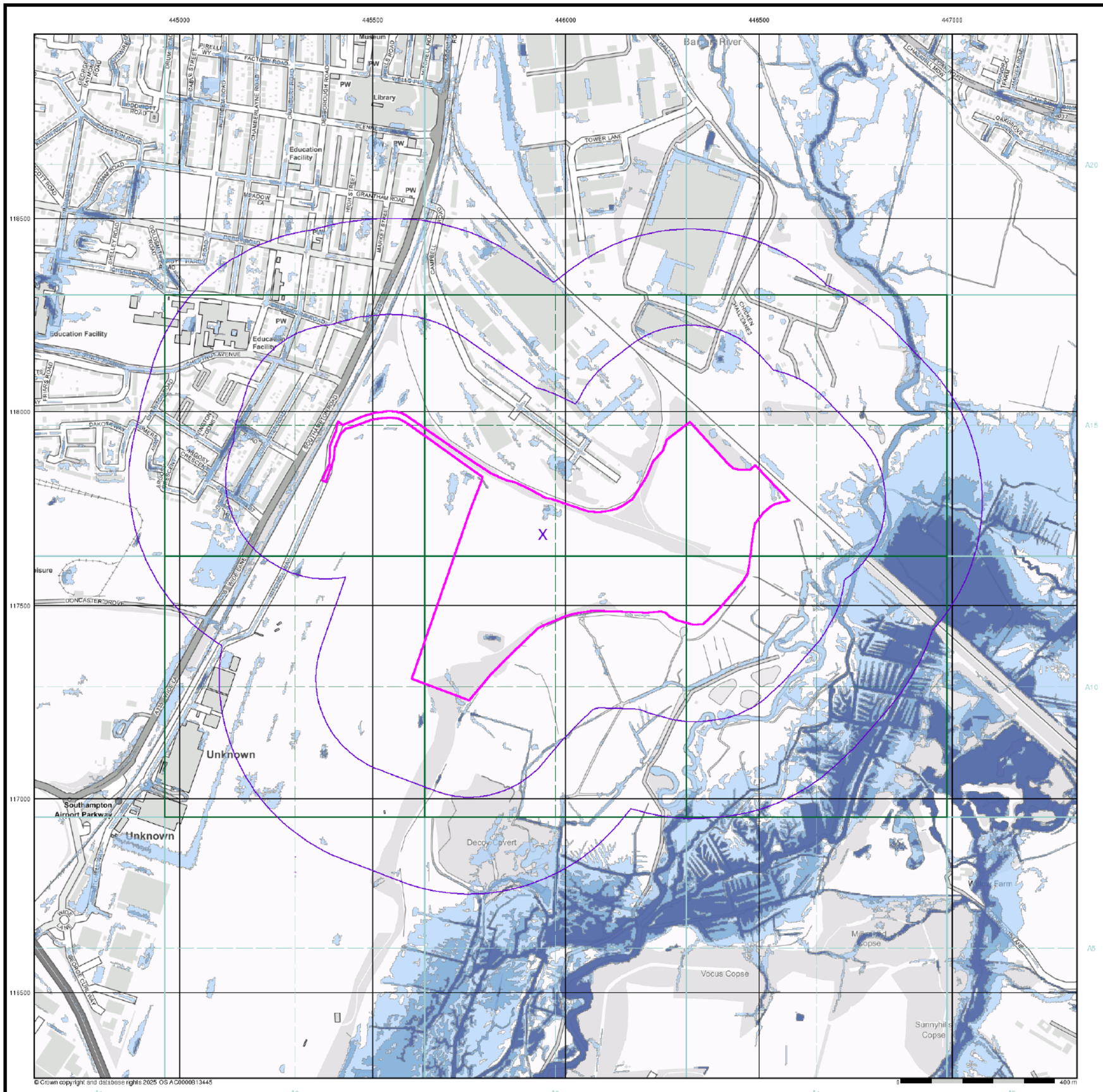

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Geo2™

General

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

Risk of Flooding from Surface Water

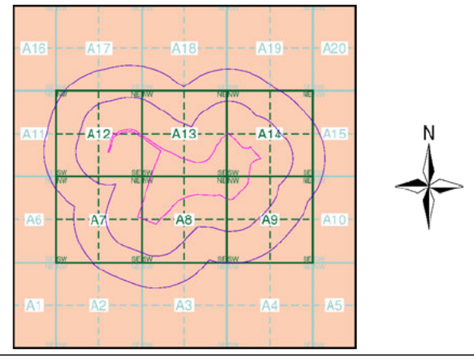
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

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



Order Details

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National Grid Reference:	445940, 117680
Slice:	A
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Search Buffer (m):	500

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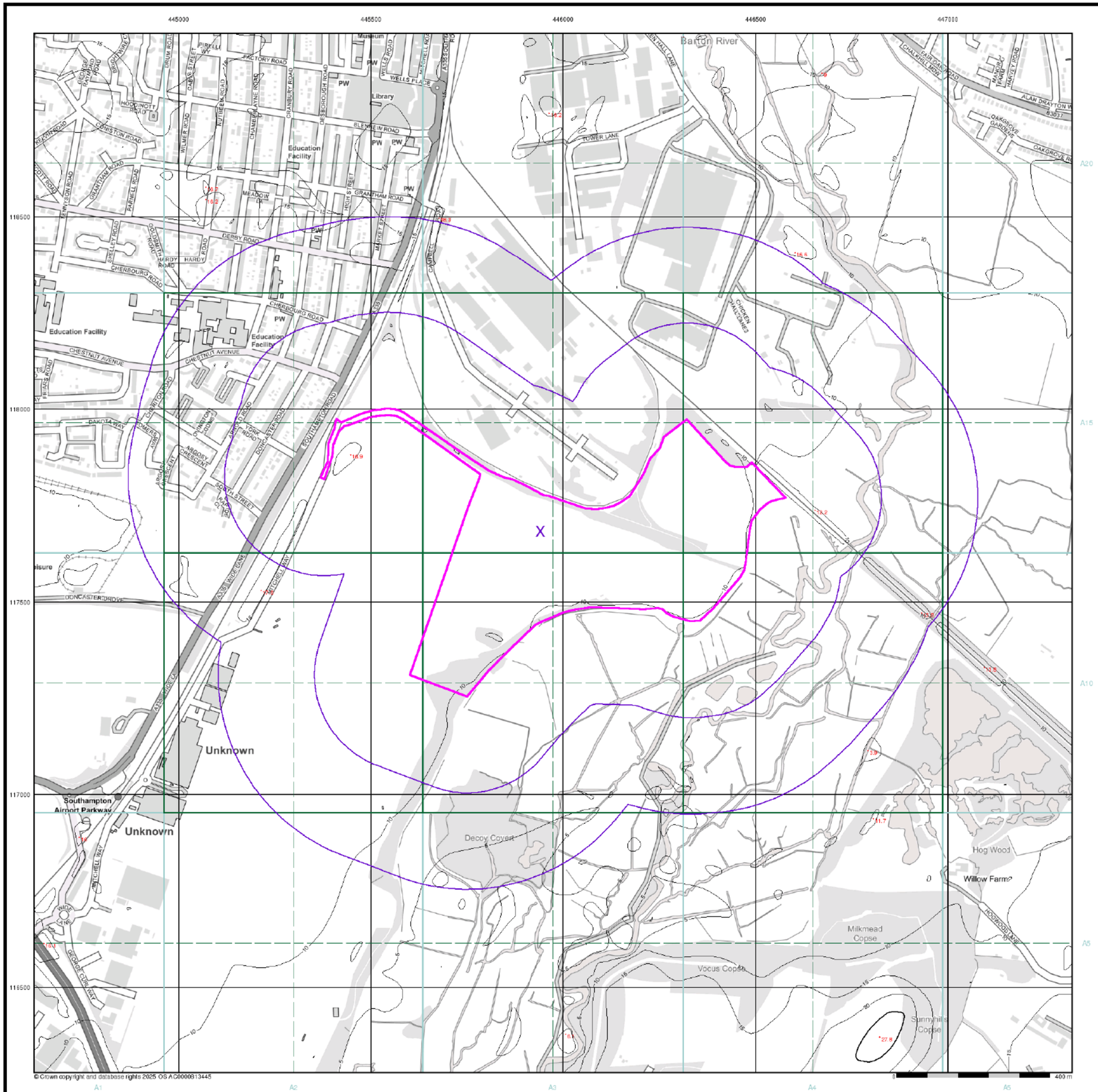


Geo2™

WFD Surface Waters Map

General

Specified Site | Specified Duffer(s) | Dearing Reference Point | Slice | Map ID

Water Framework Directive - Surface Water Quality

- High
- Good
- Moderate
- Poor
- Bad

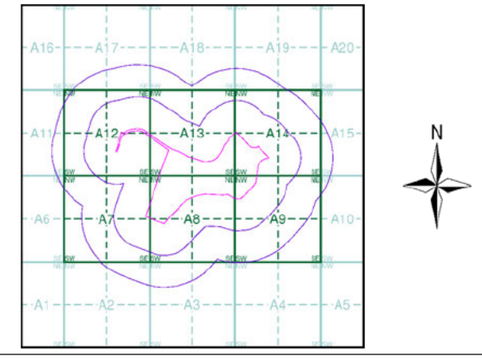
Contours (height in meters)

Standard Contour | Master Contour | Spot Height * 167.3

MLW Mean Low Water

MHW Mean High Water

WFD Surface Waters Map - Slice A



Order Details

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Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
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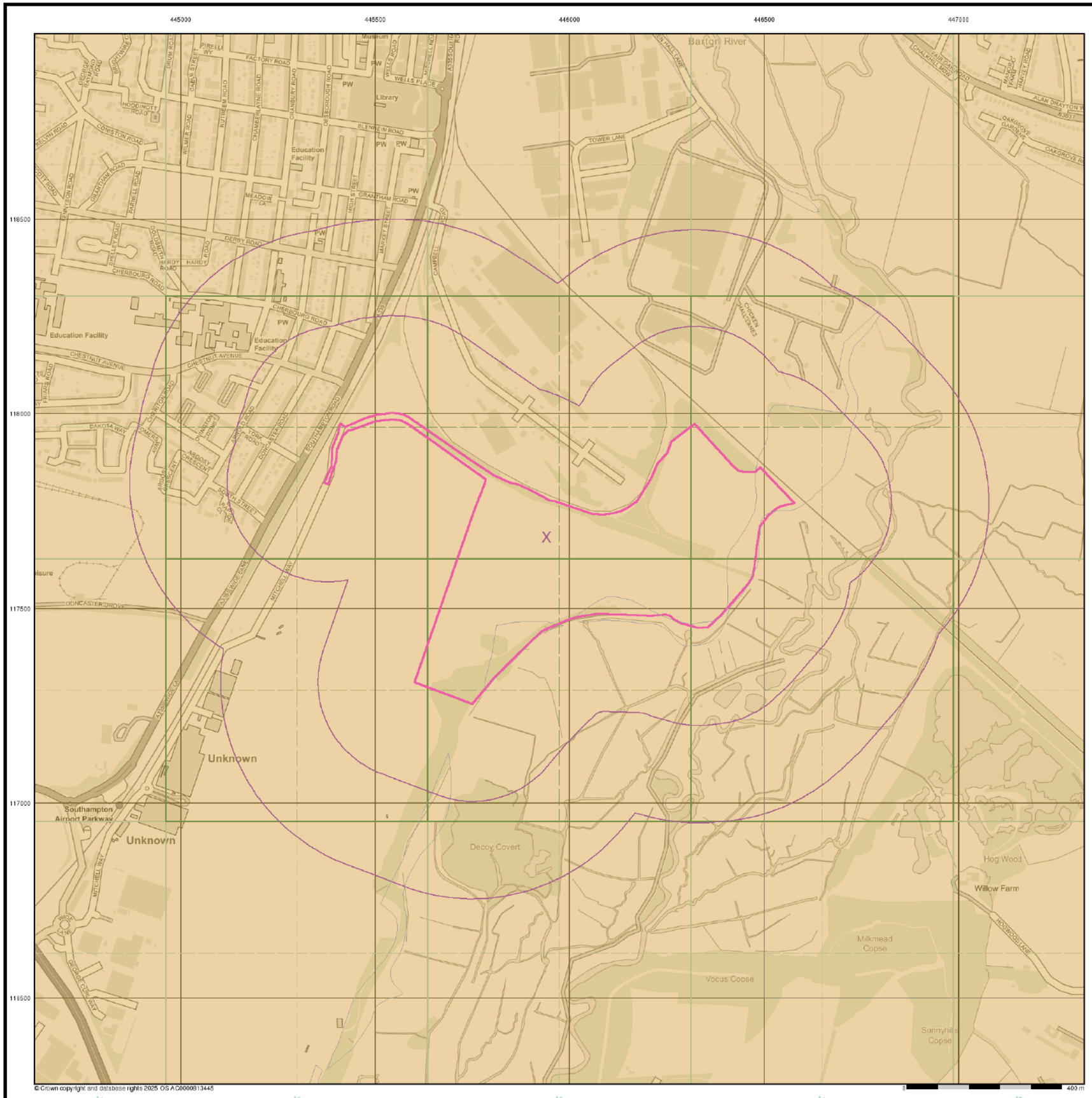


Geo2™

General

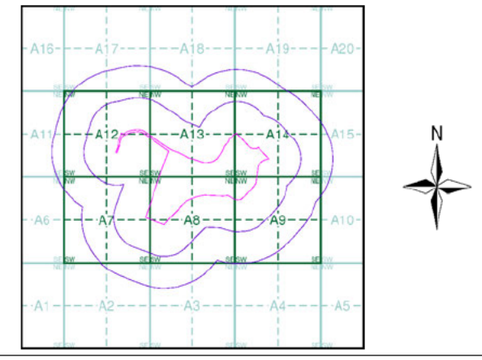
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

- < 15
- 15 - 25
- 25 - 35
- 35 - 45
- 45 - 60
- 60 - 120
- > 120

Estimated Soil Chemistry Arsenic - Slice A



Order Details

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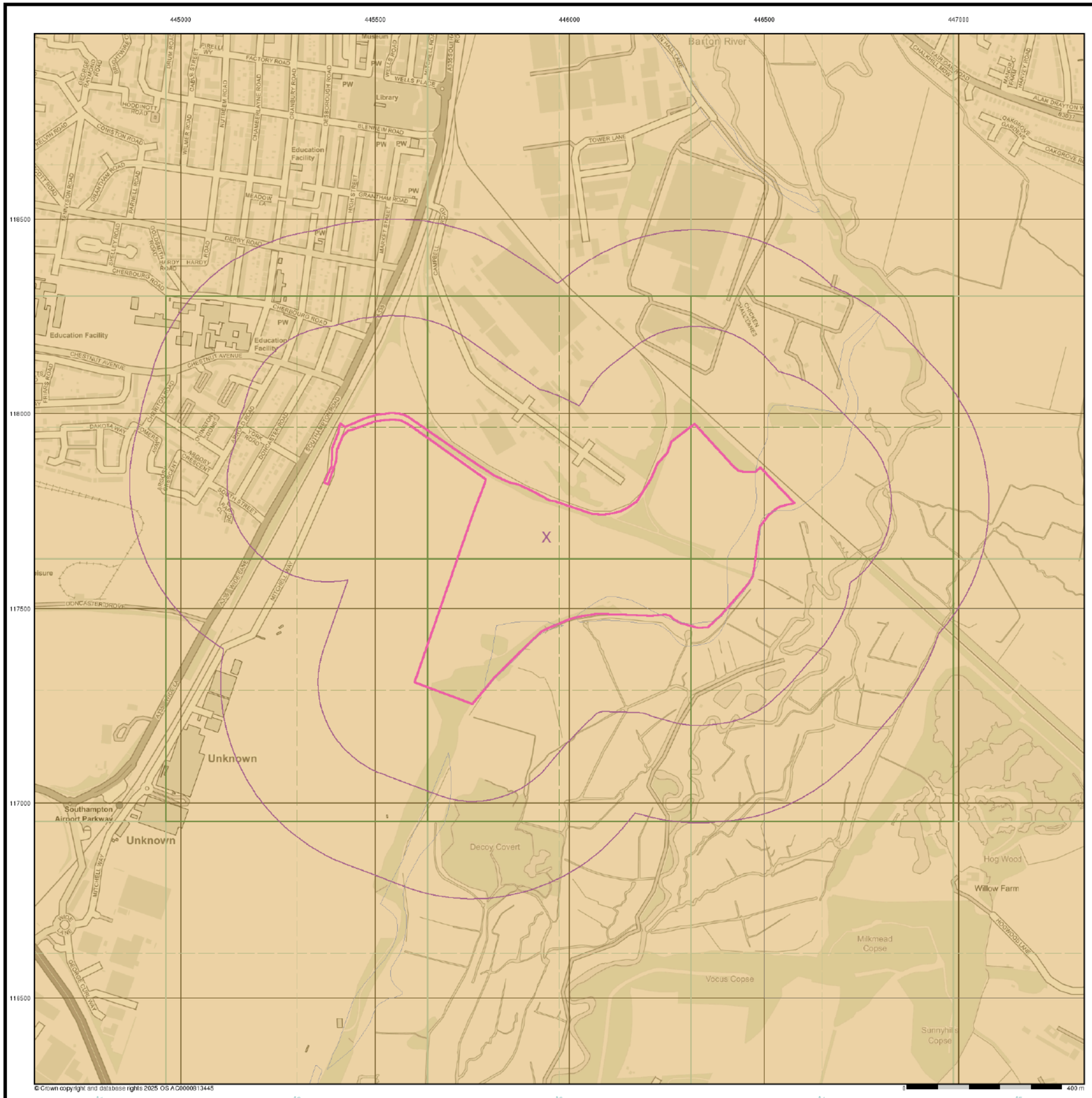


Geo2™

General

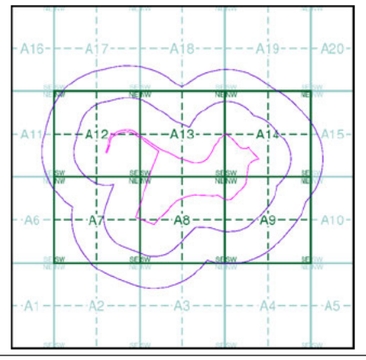
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

- < 1.8
- 1.8 - 2.2
- 2.2 - 3.0
- > 3.0

Estimated Soil Chemistry Cadmium - Slice A



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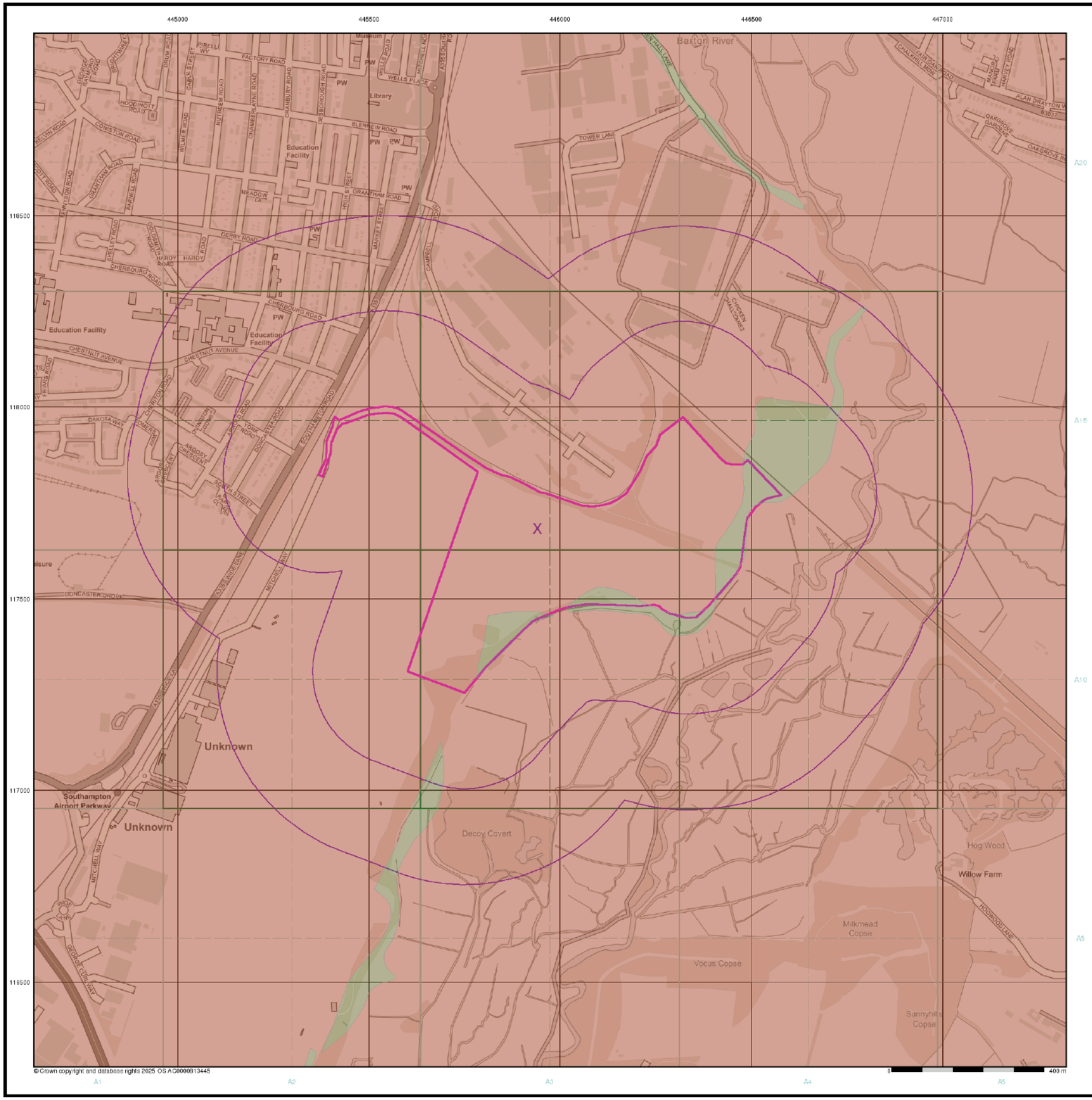


Geo2™

General

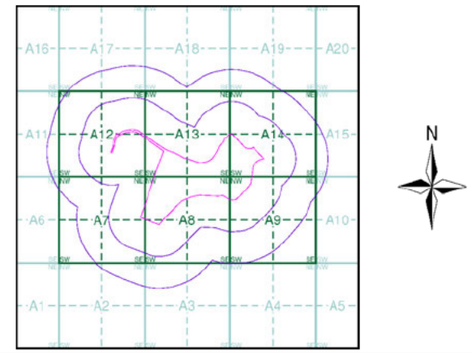
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

- < 20
- 20 - 40
- 40 - 60
- 60 - 90
- 90 - 120
- 120 - 180
- > 180

Estimated Soil Chemistry Chromium - Slice A



Order Details

Order Details:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	500

Site Details

Mitchell Way, Southampton, SO50 5QJ

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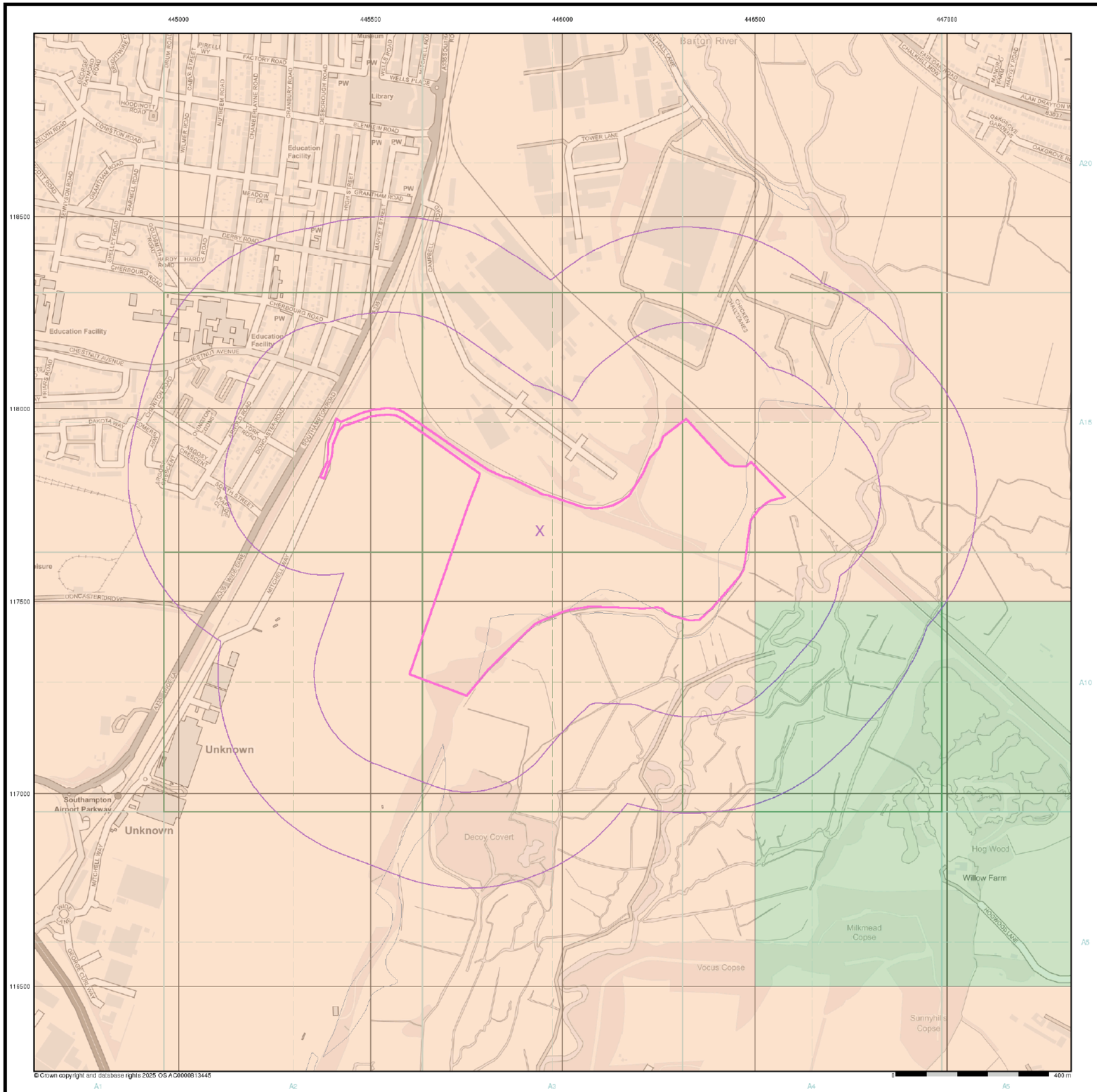


General

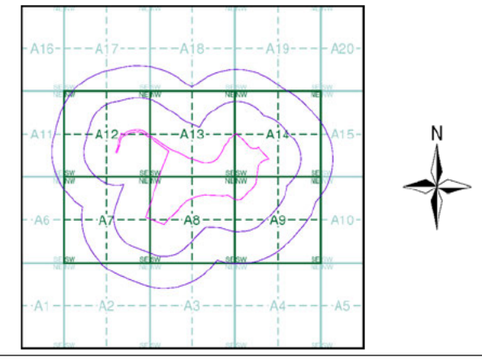
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- <100 mg/kg
- 100 - 200
- 200 - 300
- 300 - 600
- 600 - 1200
- >1200

Estimated Soil Chemistry Lead - Slice A



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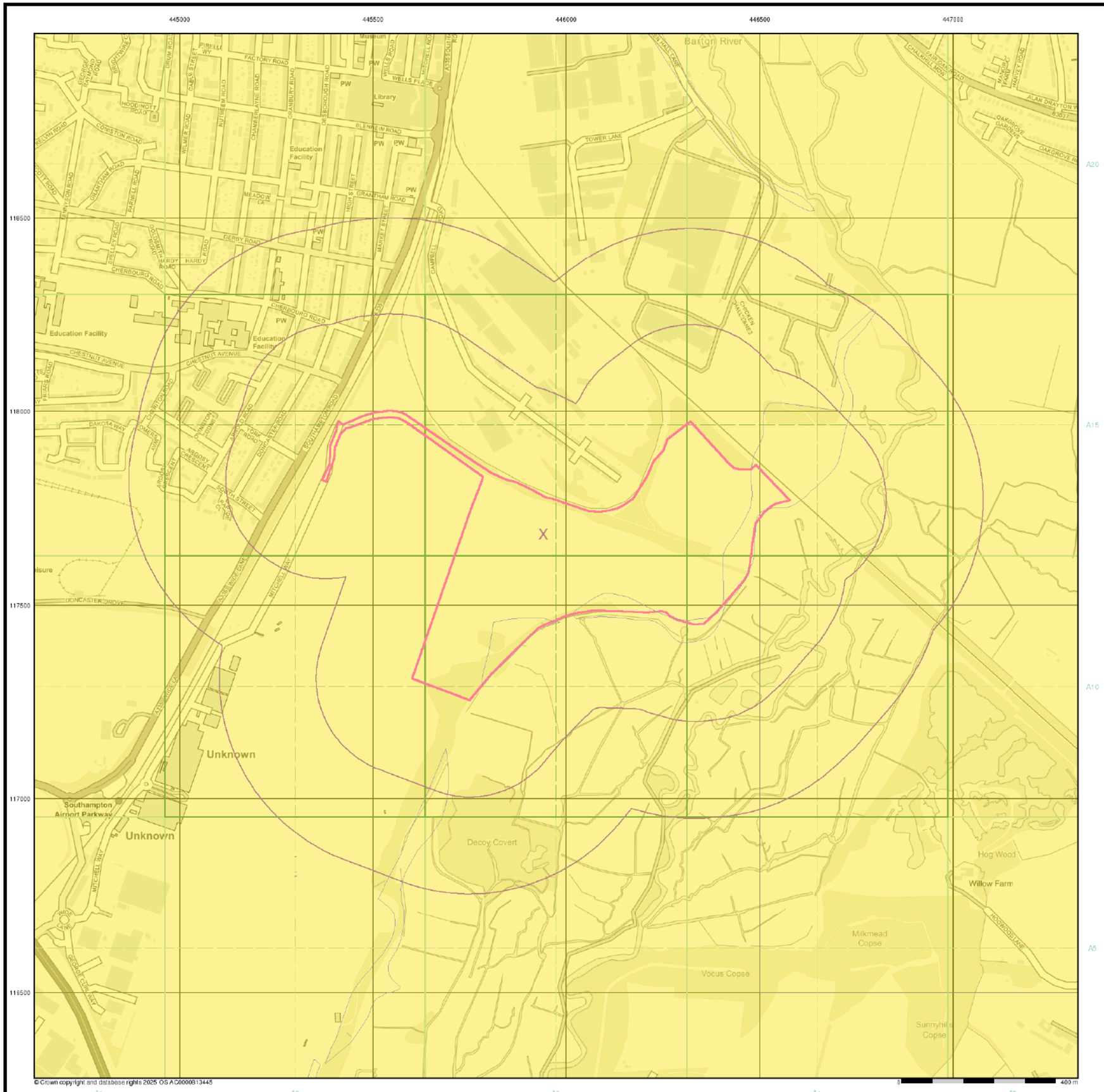


General

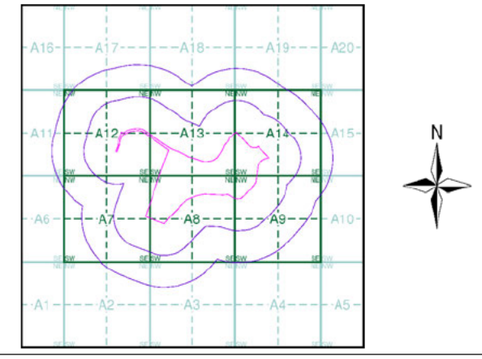
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

Estimated Soil Chemistry Nickel - Slice A



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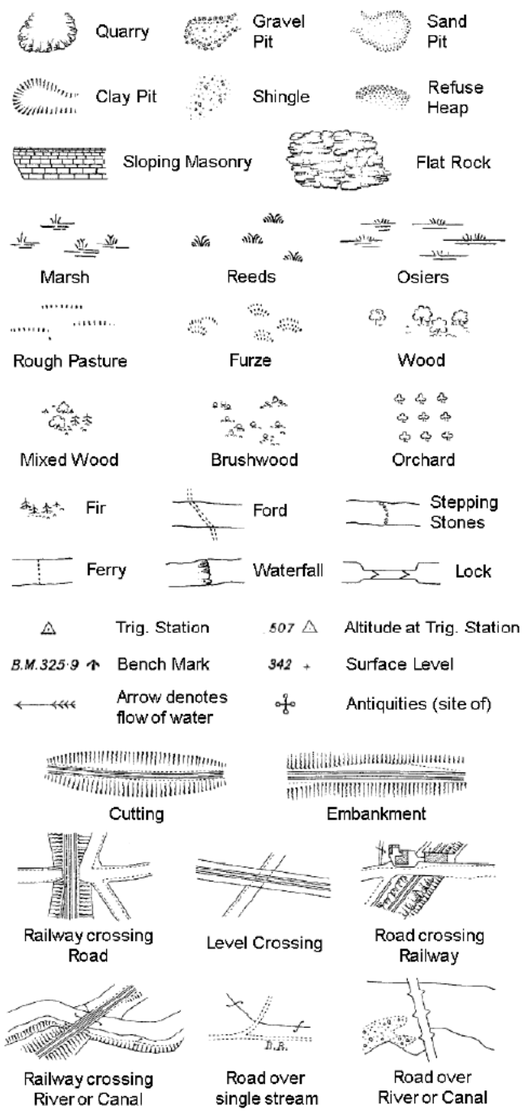
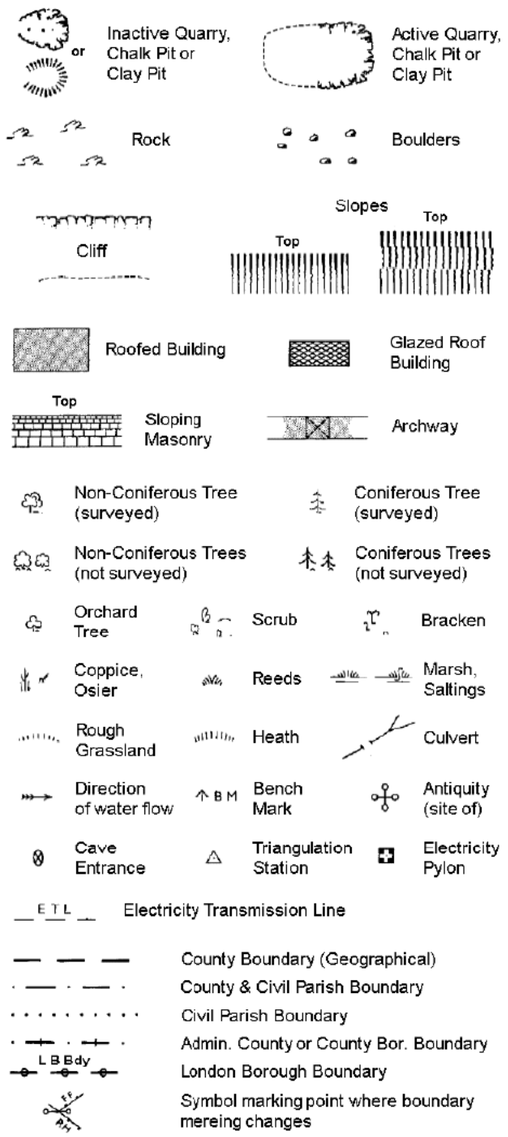
Historical Mapping Legends

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



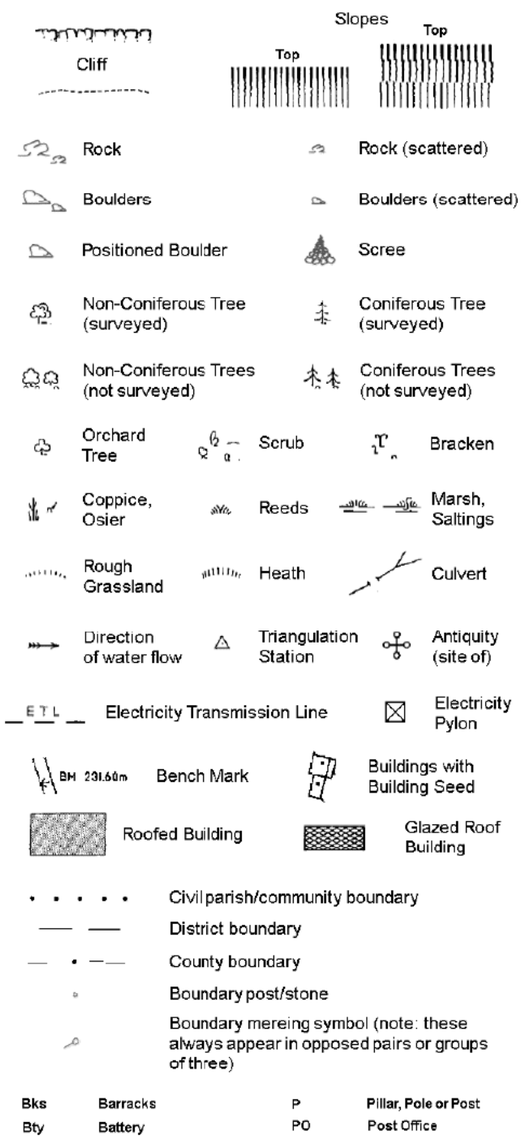
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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



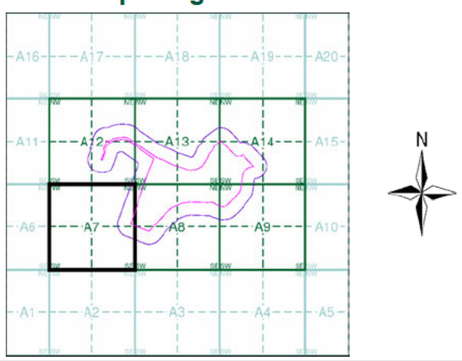
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity 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

Geo2™

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:2,500	1868	2
Hampshire & Isle Of Wight	1:2,500	1869 - 1886	3
Hampshire & Isle Of Wight	1:2,500	1896	4
Hampshire & Isle Of Wight	1:2,500	1909	5
Hampshire & Isle Of Wight	1:2,500	1946	6
Ordnance Survey Plan	1:1,250	1951	7
Ordnance Survey Plan	1:2,500	1951 - 1964	8
Ordnance Survey Plan	1:1,250	1963 - 1974	9
Ordnance Survey Plan	1:2,500	1964	10
Ordnance Survey Plan	1:2,500	1967	11
Ordnance Survey Plan	1:1,250	1971 - 1986	12
Additional SIMs	1:1,250	1979 - 1989	13
Additional SIMs	1:2,500	1987	14
Large-Scale National Grid Data	1:1,250	1992	15
Large-Scale National Grid Data	1:2,500	1992	16
Large-Scale National Grid Data	1:1,250	1993 - 1995	17
Large-Scale National Grid Data	1:2,500	1995	18
Large-Scale National Grid Data	1:2,500	1996	19
Historical Aerial Photography	1:2,500	1999	20

Historical Map - Segment A7



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Search Buffer (m):	100

Site Details

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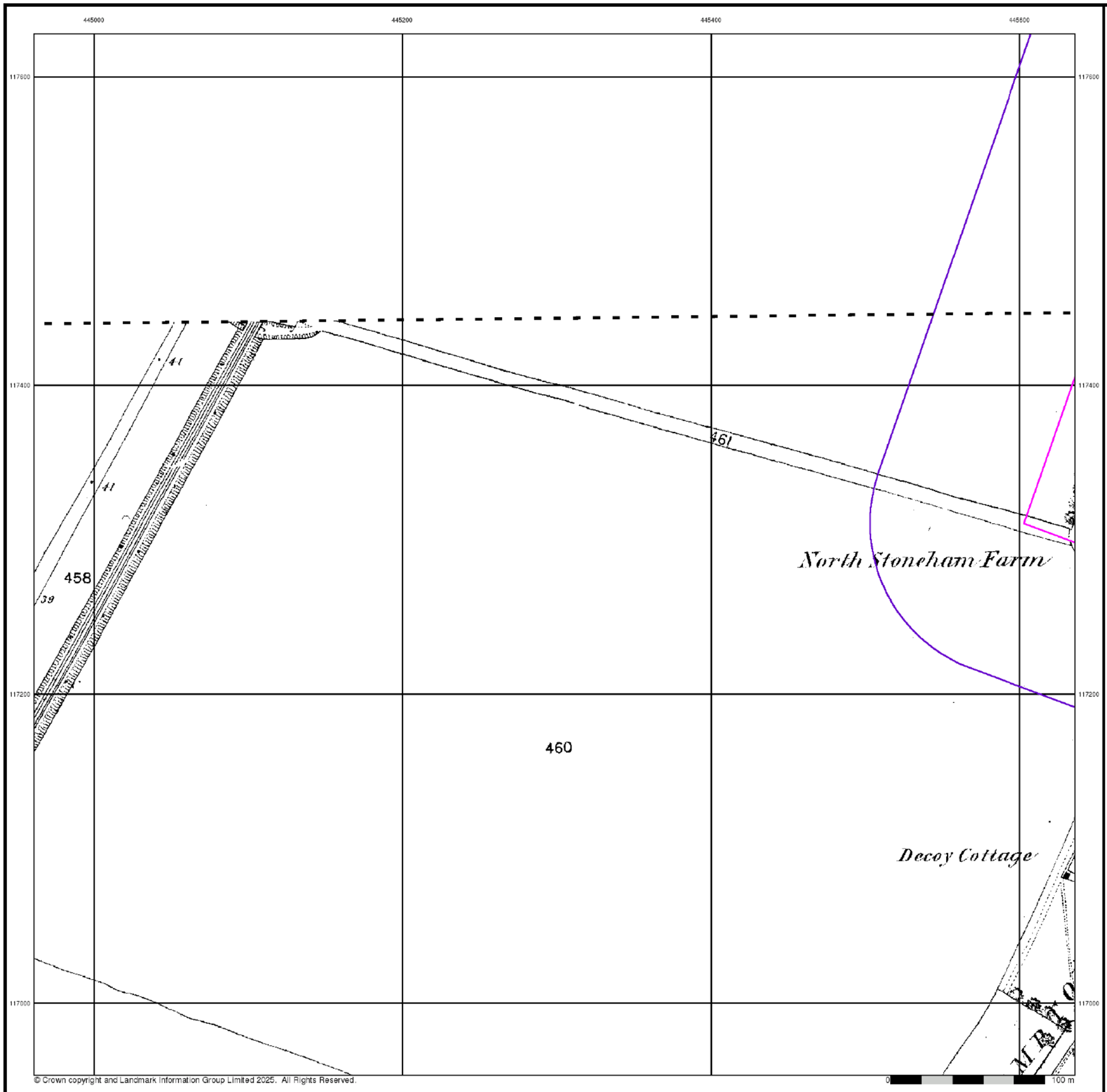

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0 100 m

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Hampshire & Isle Of Wight

Published 1868

Source map scale - 1:2,500

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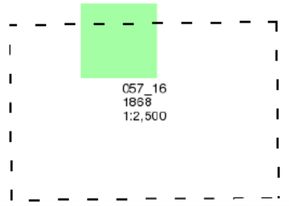
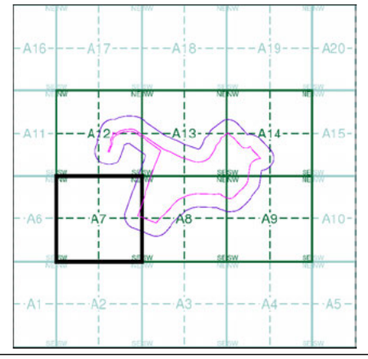
Map Name(s) and Date(s)



Historical Map - Segment A7



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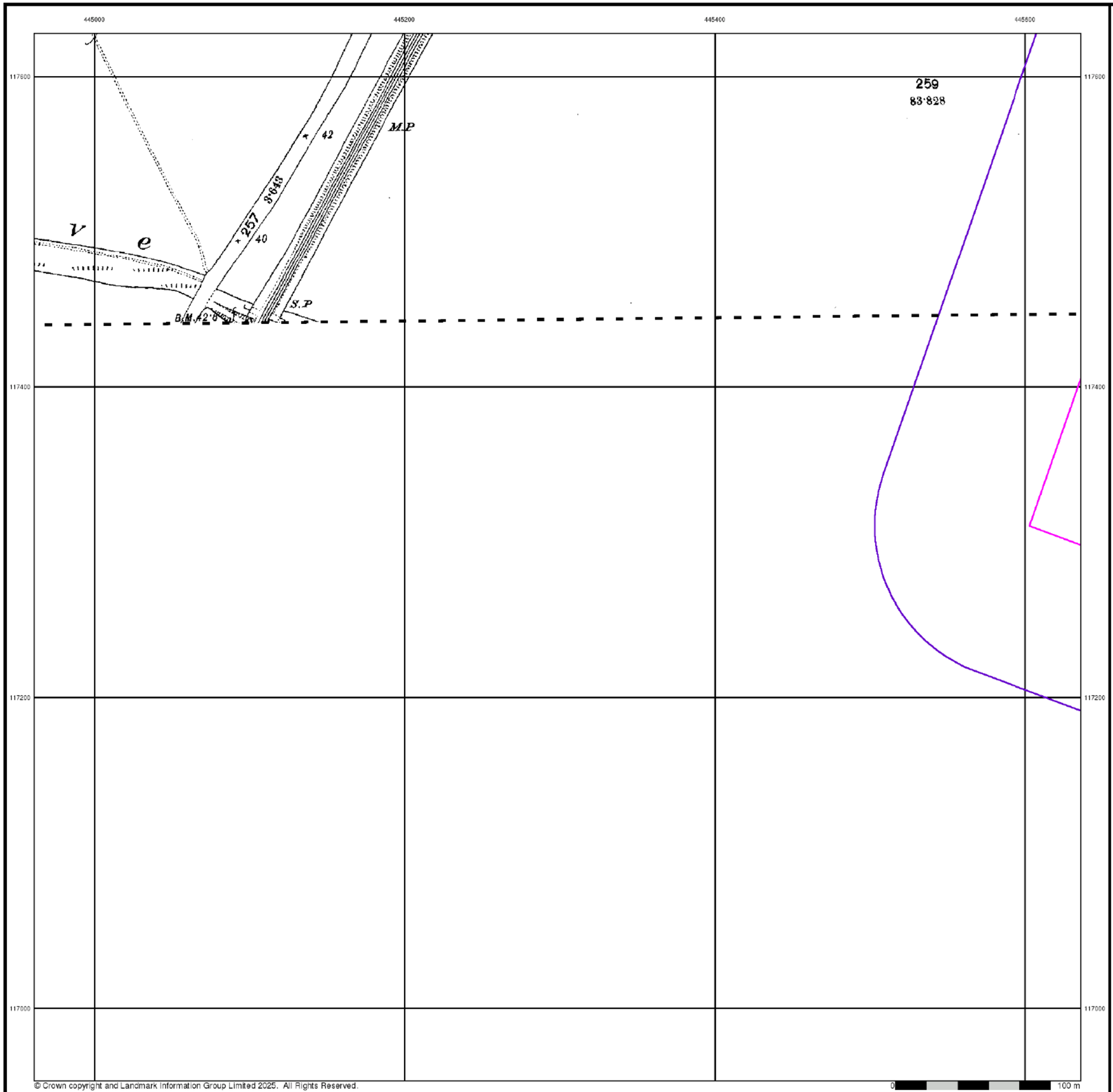

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0 100 m

Hampshire & Isle Of Wight

Published 1869 - 1886

Source map scale - 1:2,500

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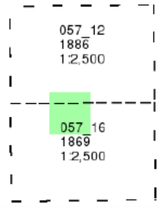
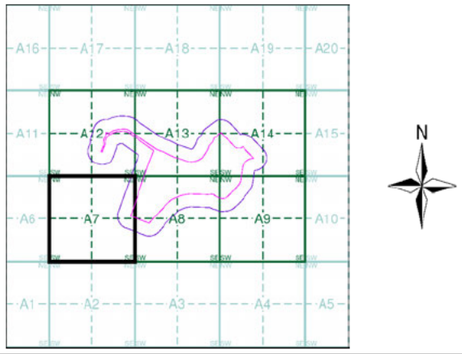
Map Name(s) and Date(s)



Historical Map - Segment A7



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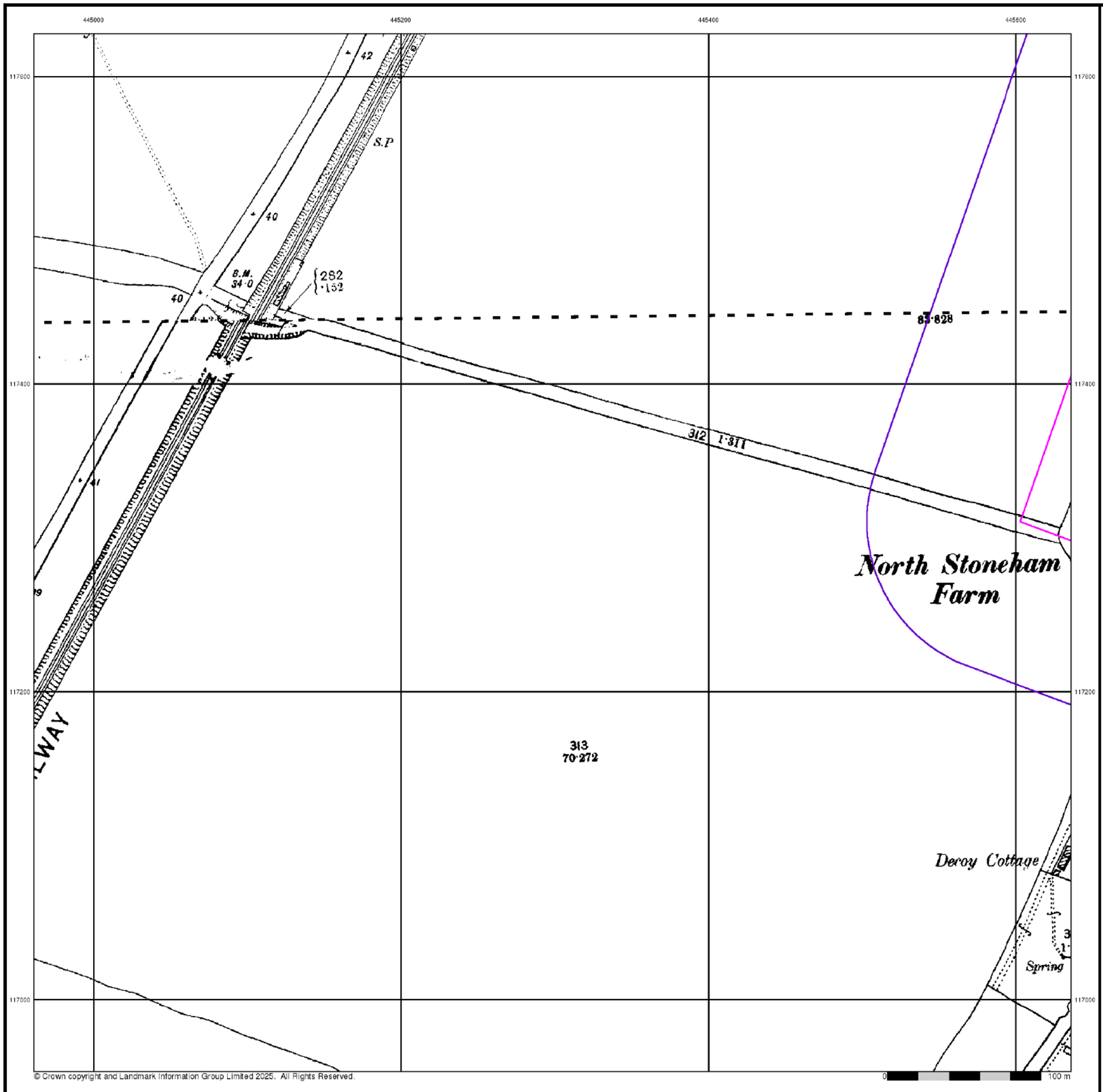

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Hampshire & Isle Of Wight

Published 1896

Source map scale - 1:2,500

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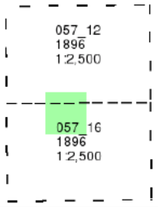
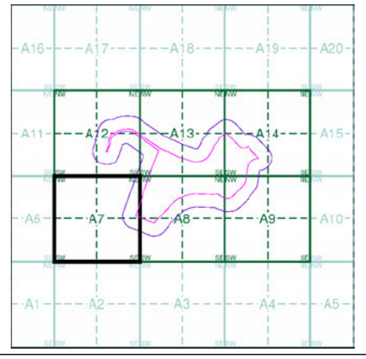
Map Name(s) and Date(s)



Historical Map - Segment A7



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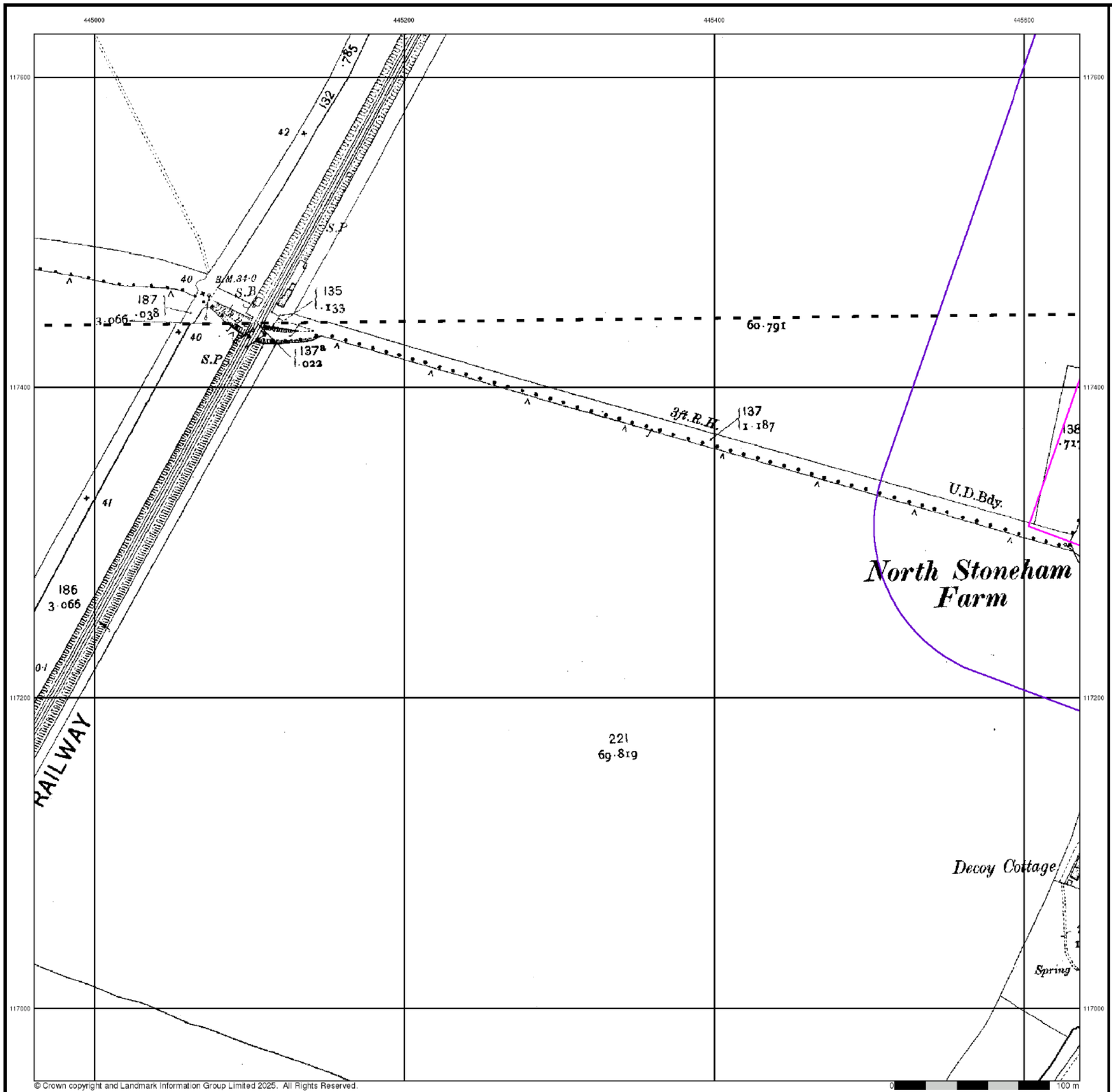

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Hampshire & Isle Of Wight

Published 1909

Source map scale - 1:2,500

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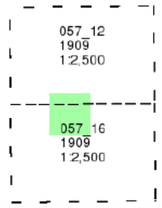
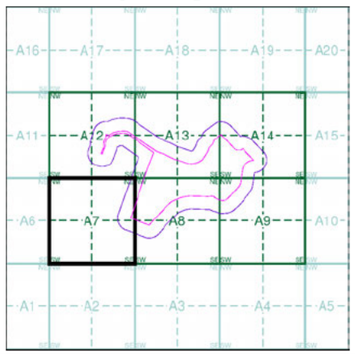


Historical Map - Segment A7



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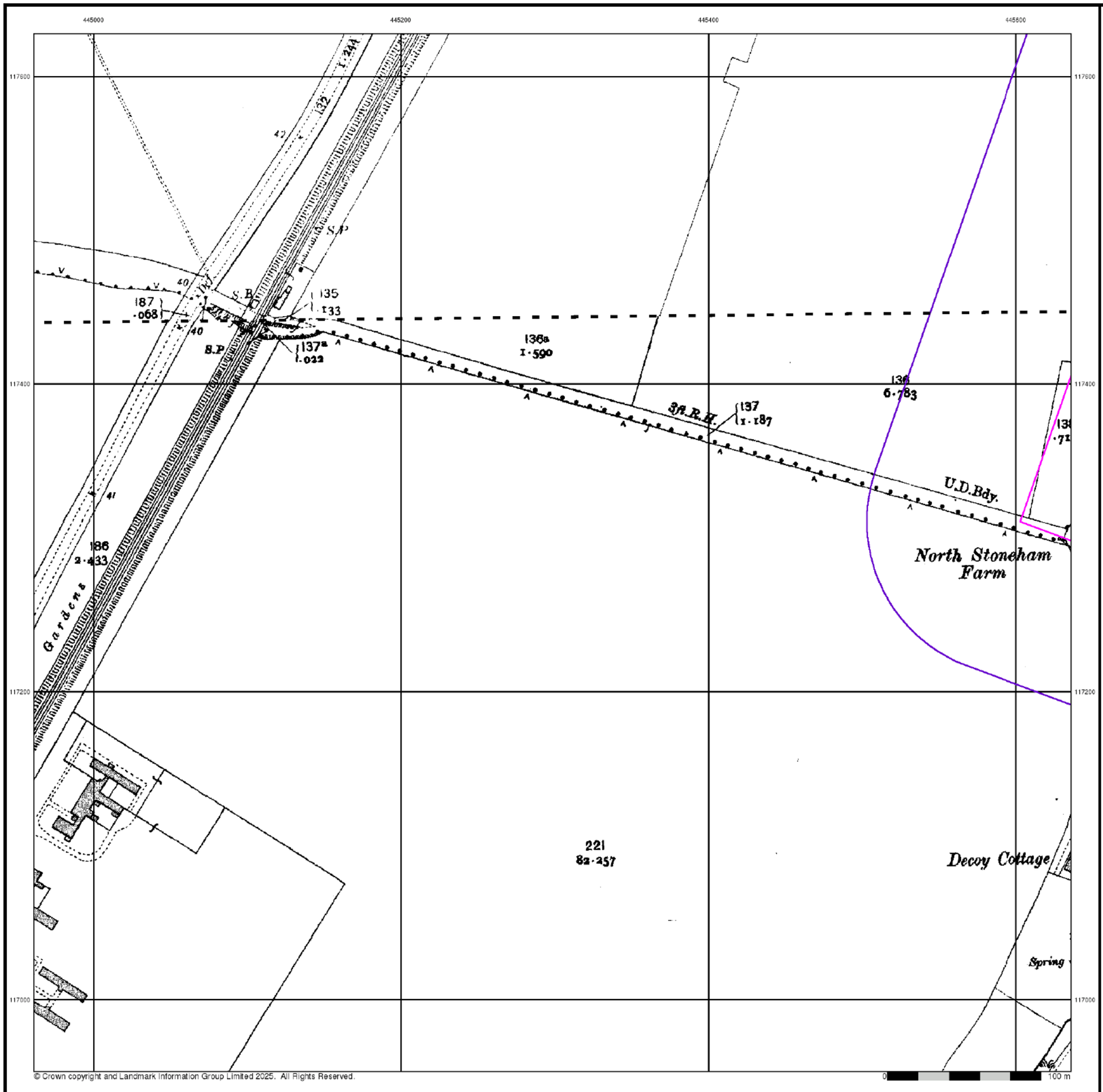

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Hampshire & Isle Of Wight

Published 1946

Source map scale - 1:2,500

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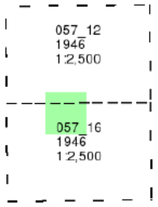
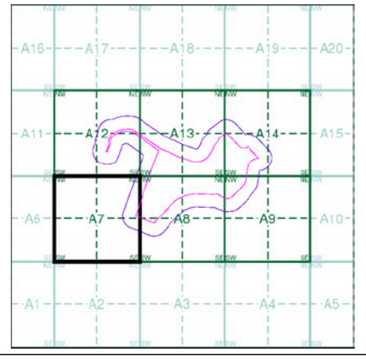


Historical Map - Segment A7



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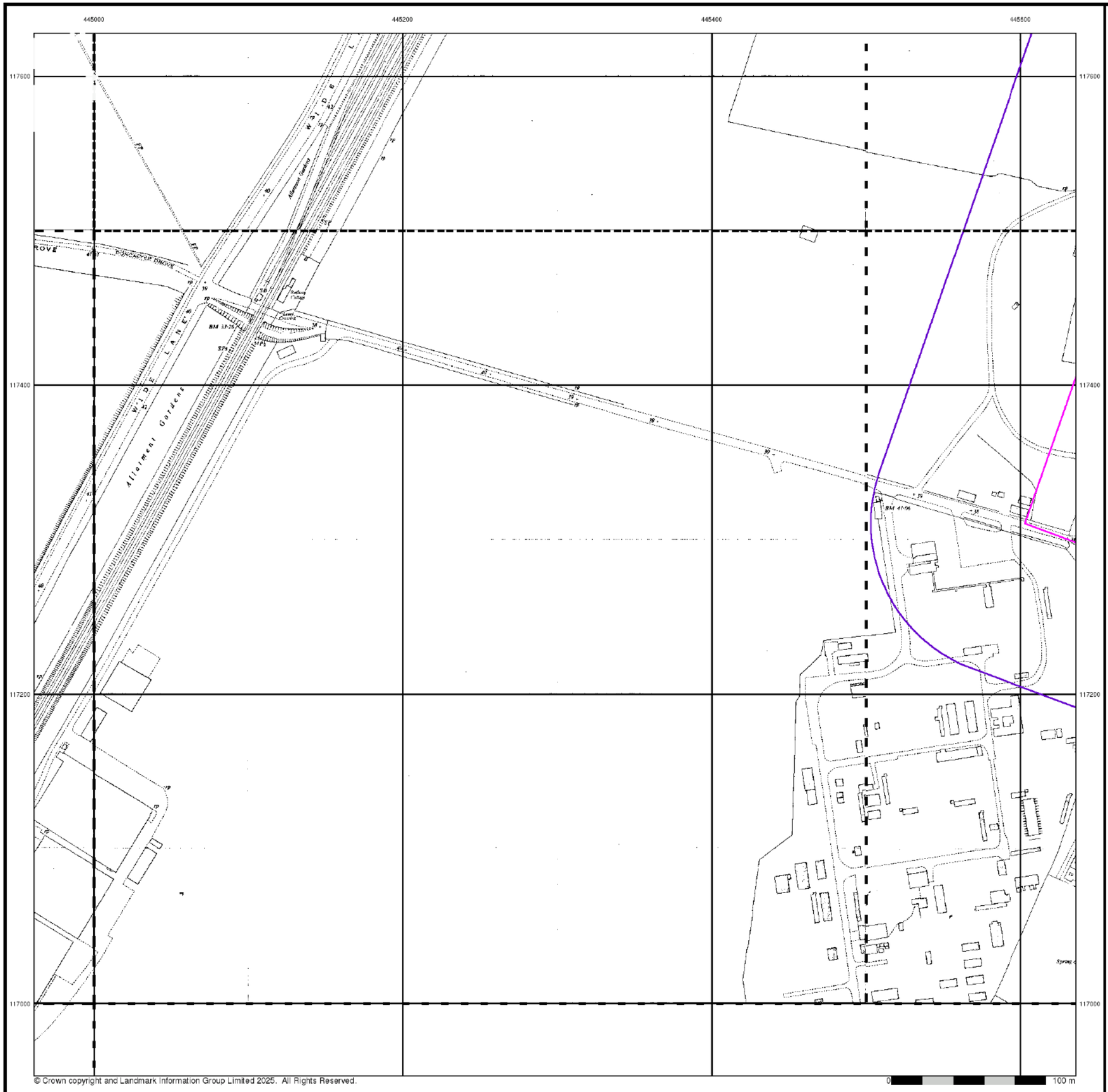

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Ordnance Survey Plan

Published 1951

Source map scale - 1:1,250

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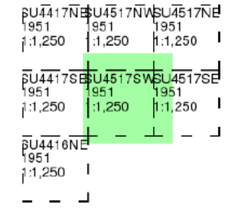
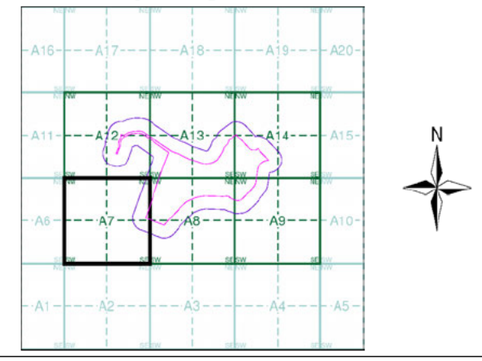
Map Name(s) and Date(s)



Historical Map - Segment A7



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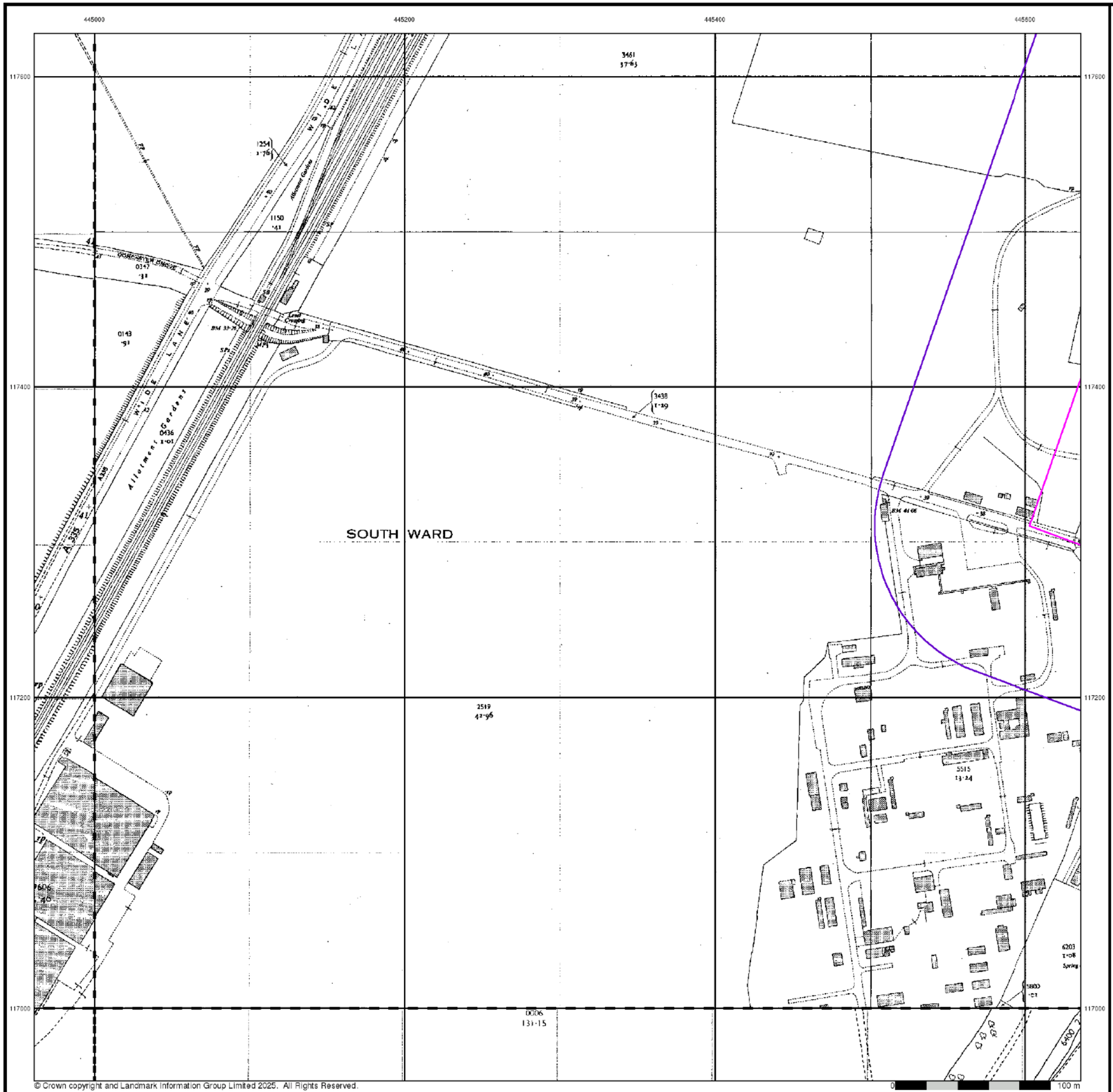

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Geo2™

Ordnance Survey Plan

Published 1951 - 1964

Source map scale - 1:2,500

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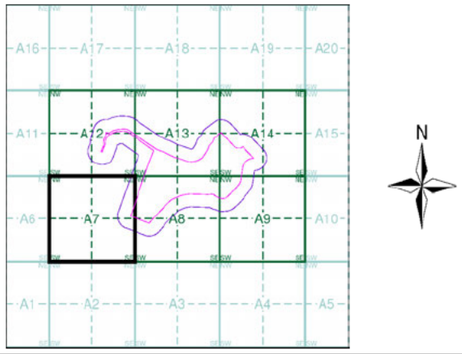
Map Name(s) and Date(s)

SU4417 1952 1:2,500	SU4517 1951 1:2,500
SU4416 1951 1:2,500	SU4516 1964 1:2,500

Historical Map - Segment A7



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Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

Site Details

Mitchell Way, Southampton, SO50 5QJ

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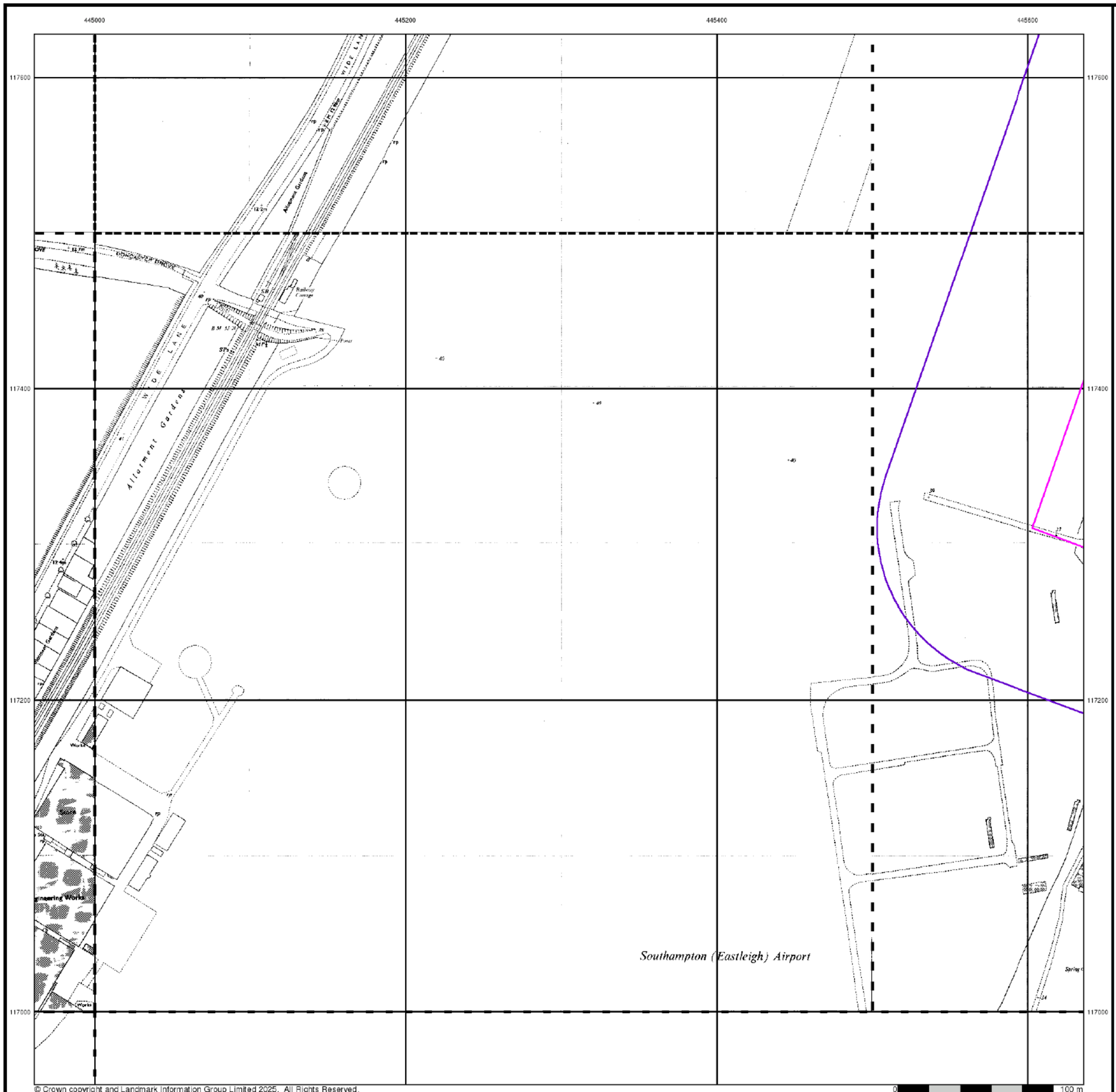

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Geo2™

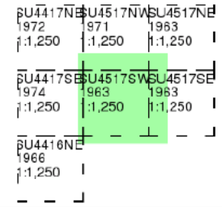
Ordnance Survey Plan

Published 1963 - 1974

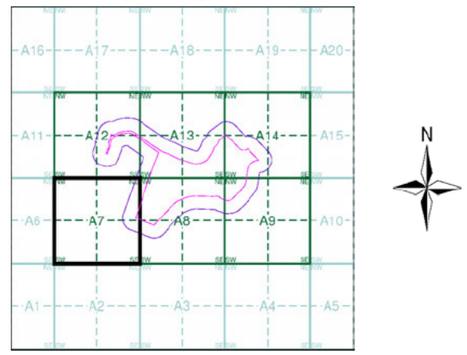
Source map scale - 1:1,250

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 A7



Order Details

Order Number:	366723883_1_1
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National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
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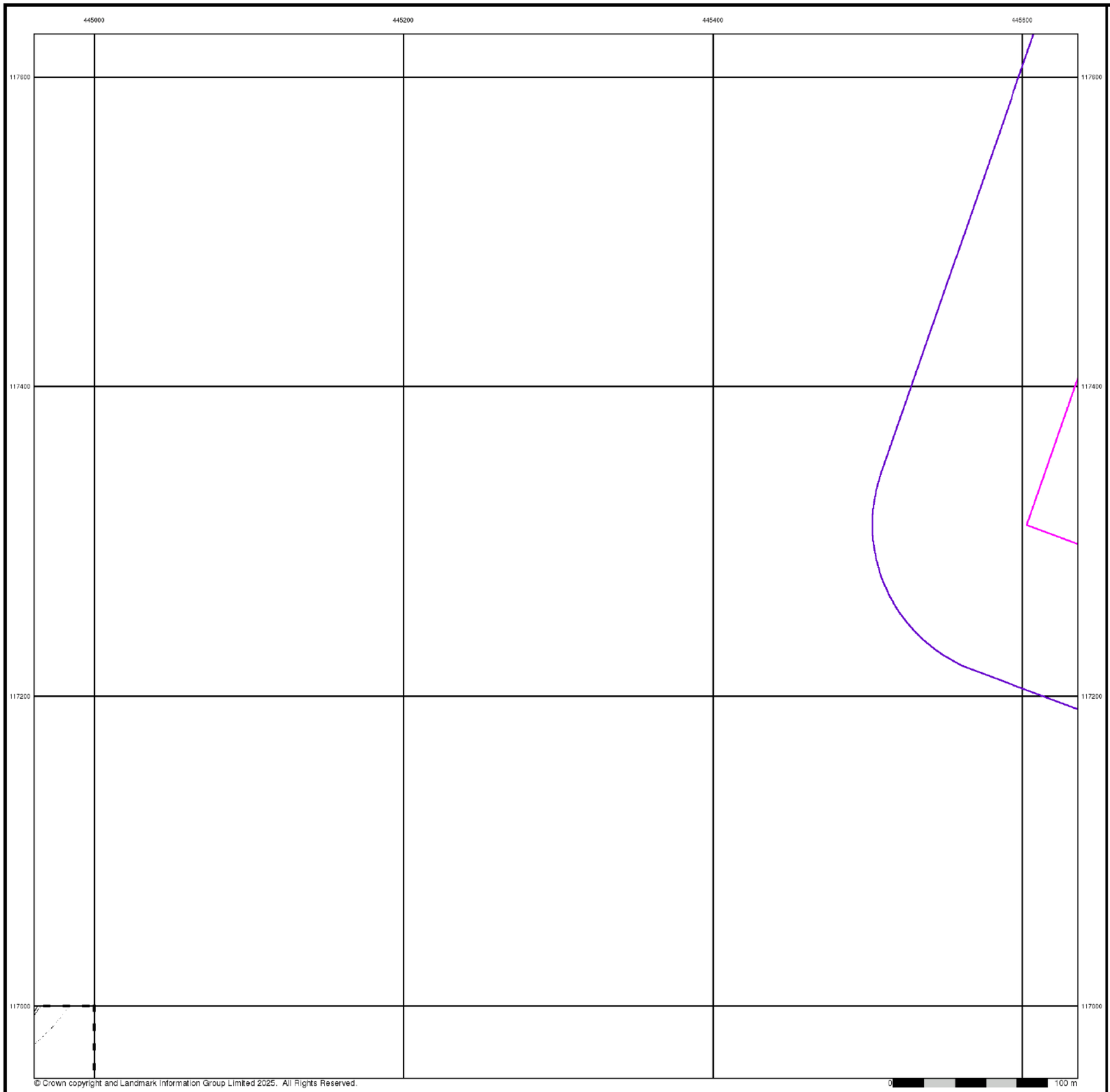

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Geo2™

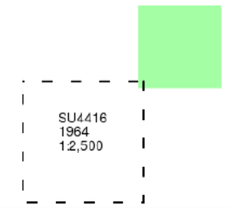
Ordnance Survey Plan

Published 1964

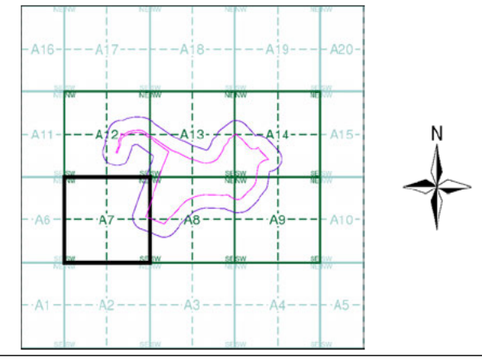
Source map scale - 1:2,500

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



Order Details

Order Number:	366723883_1_1
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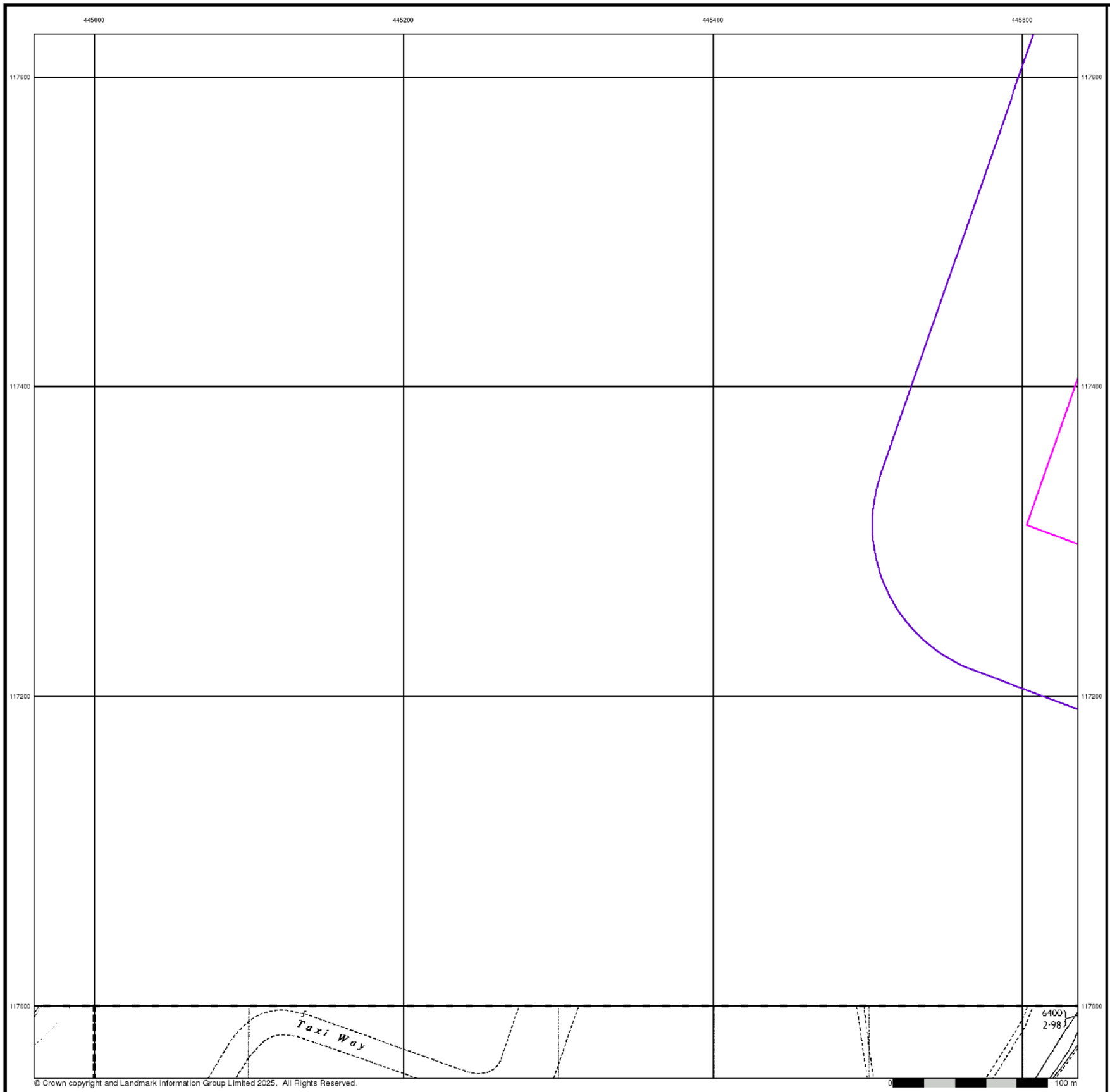

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Geo2™

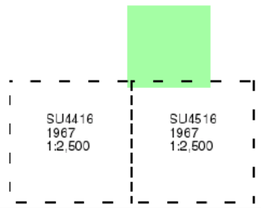
Ordnance Survey Plan

Published 1967

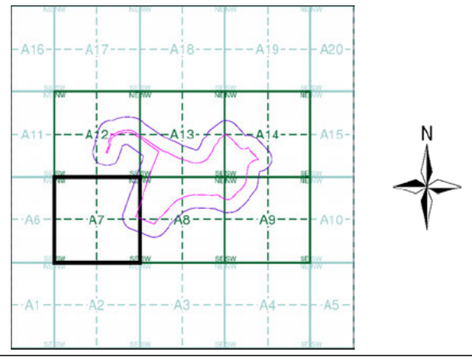
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A7



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

Site Details

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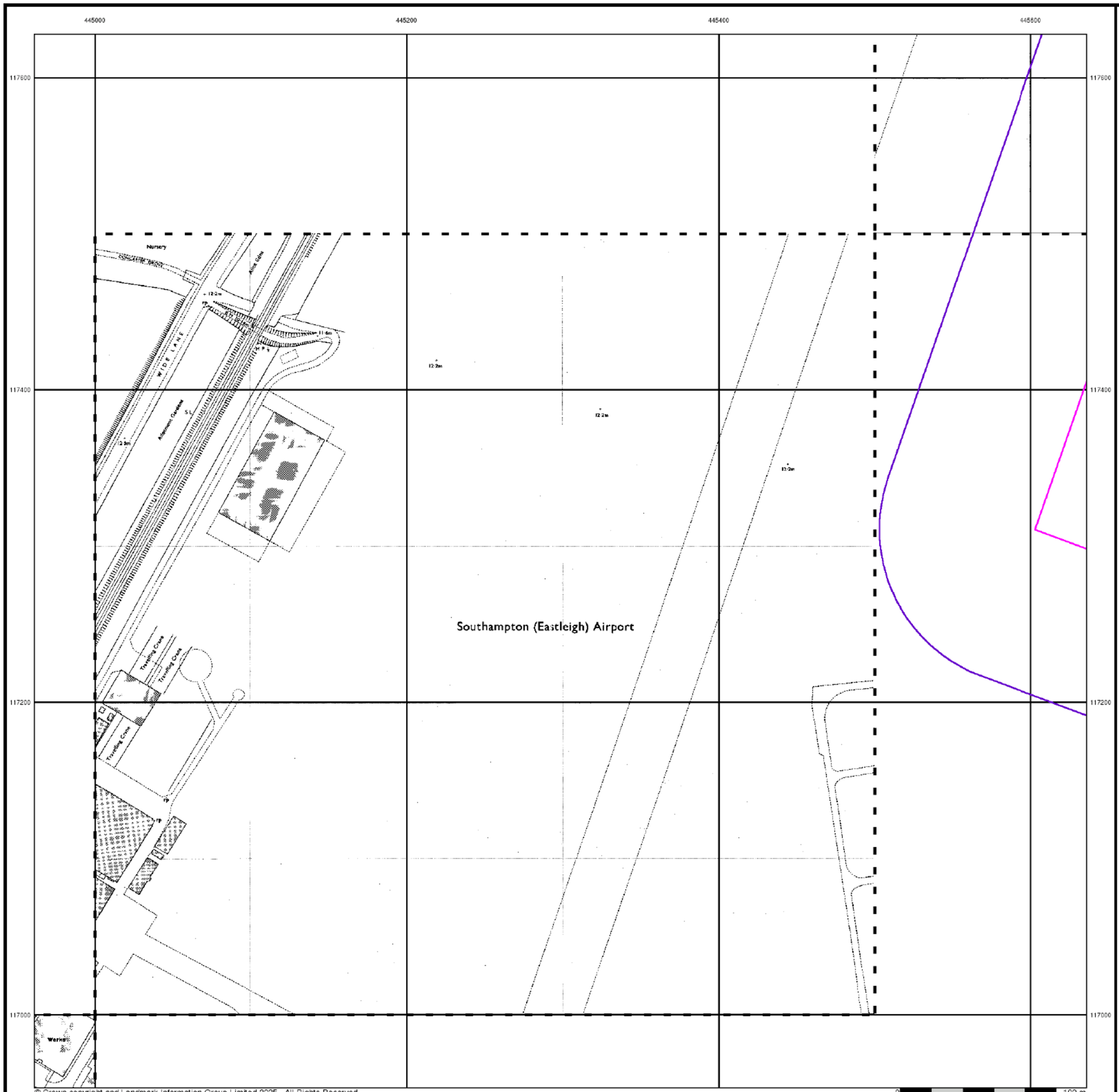

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Geo2™

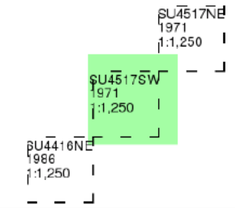
Ordnance Survey Plan

Published 1971 - 1986

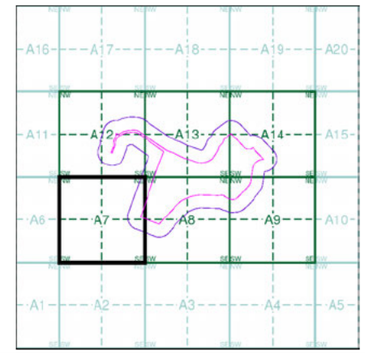
Source map scale - 1:1,250

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 A7



Order Details

Order Number:	366723883_1_1
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National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

Site Details

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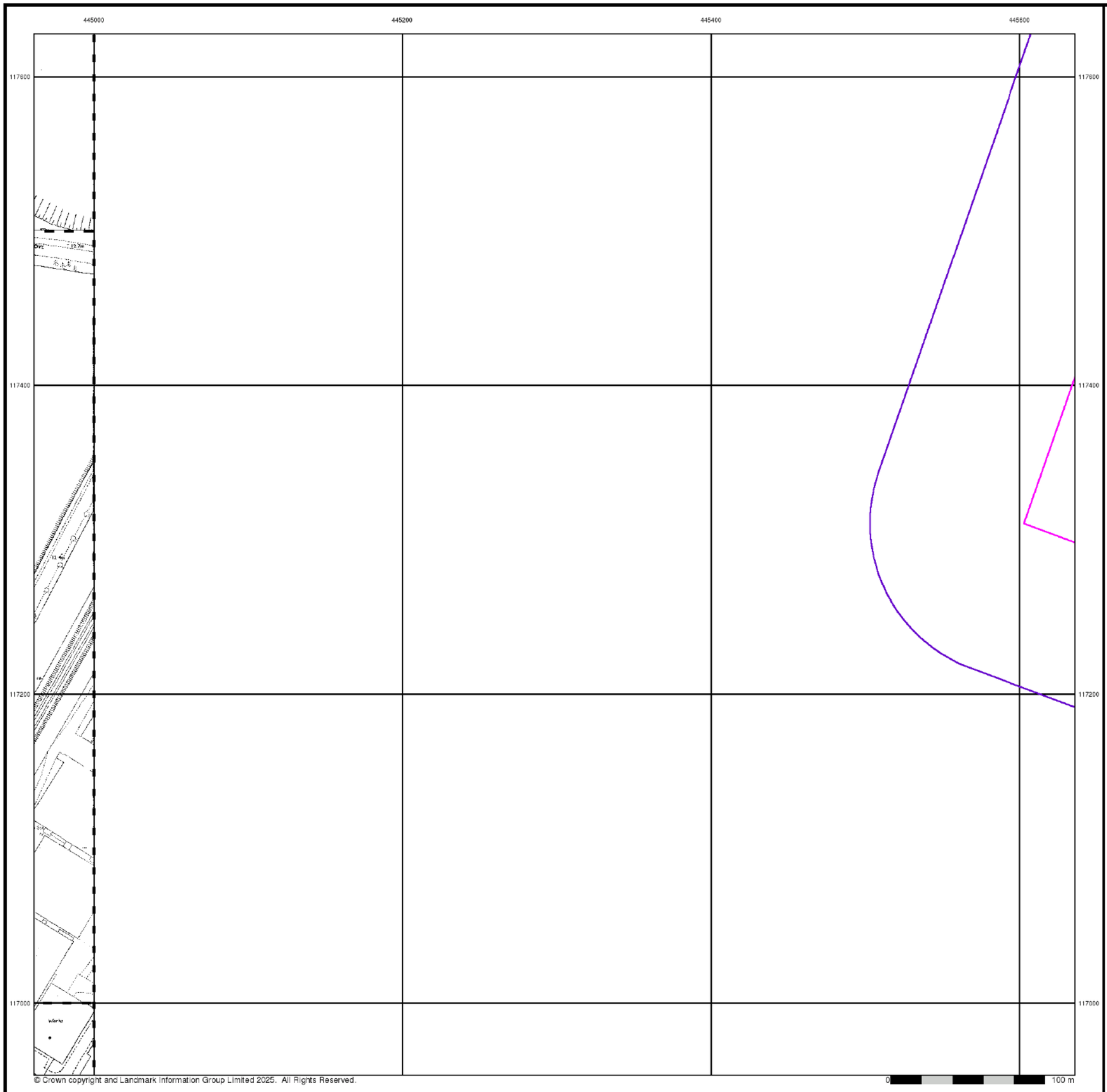

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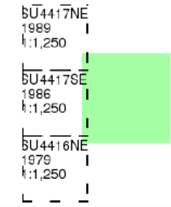
Additional SIMs

Published 1979 - 1989

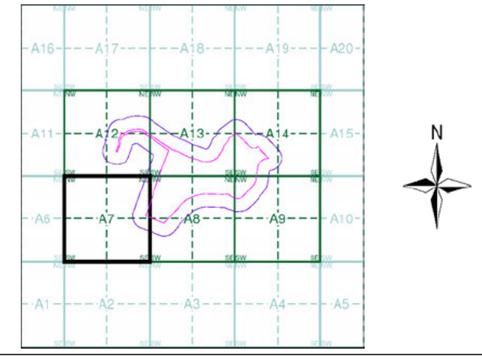
Source map scale - 1:1,250

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)



Historical Map - Segment A7



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
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Site Details

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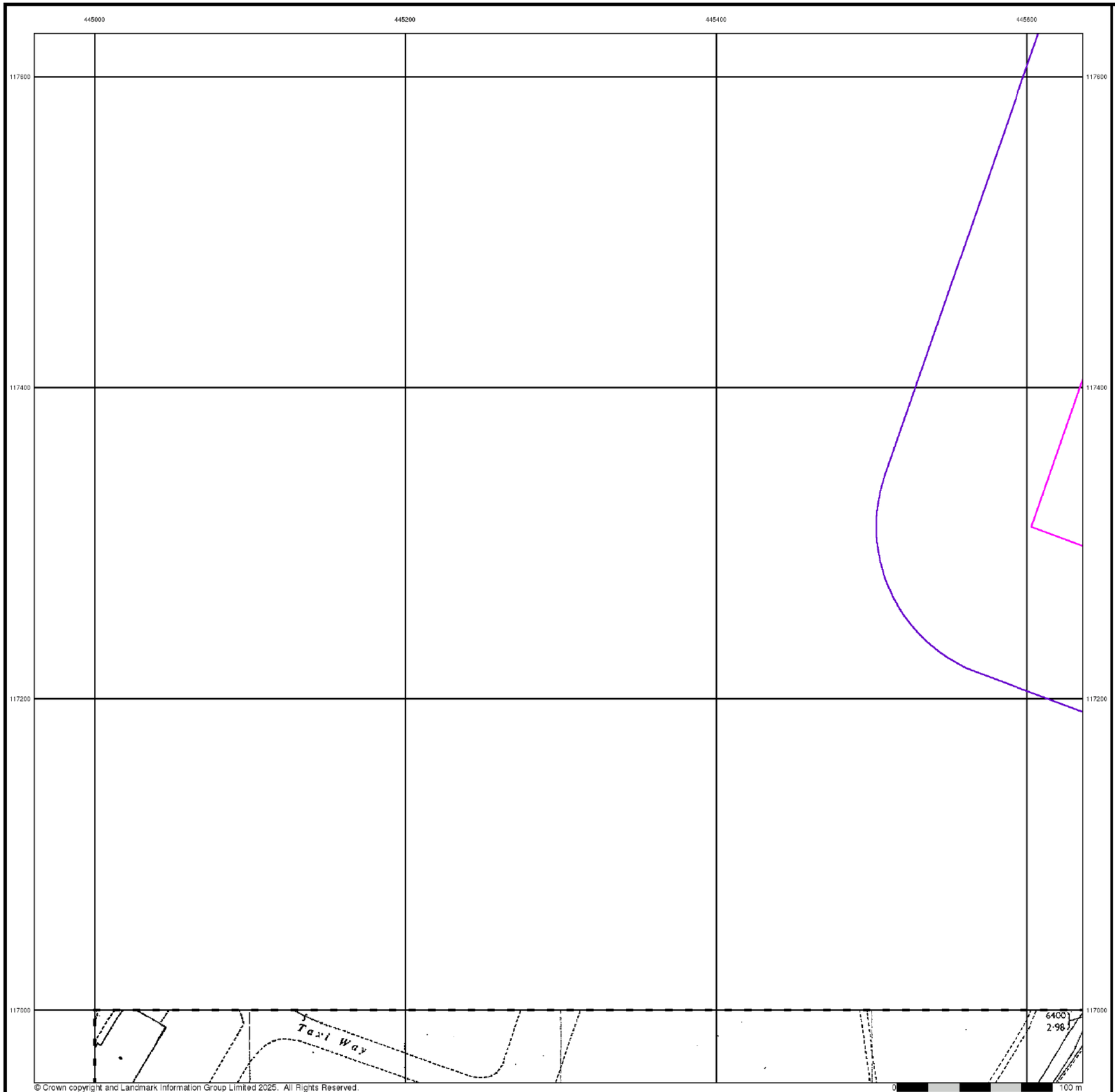

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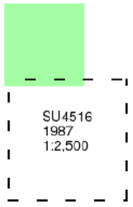
Additional SIMs

Published 1987

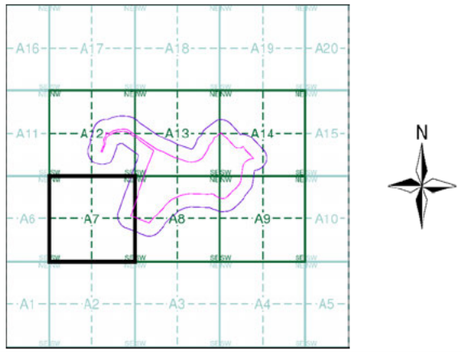
Source map scale - 1:2,500

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



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
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Site Details

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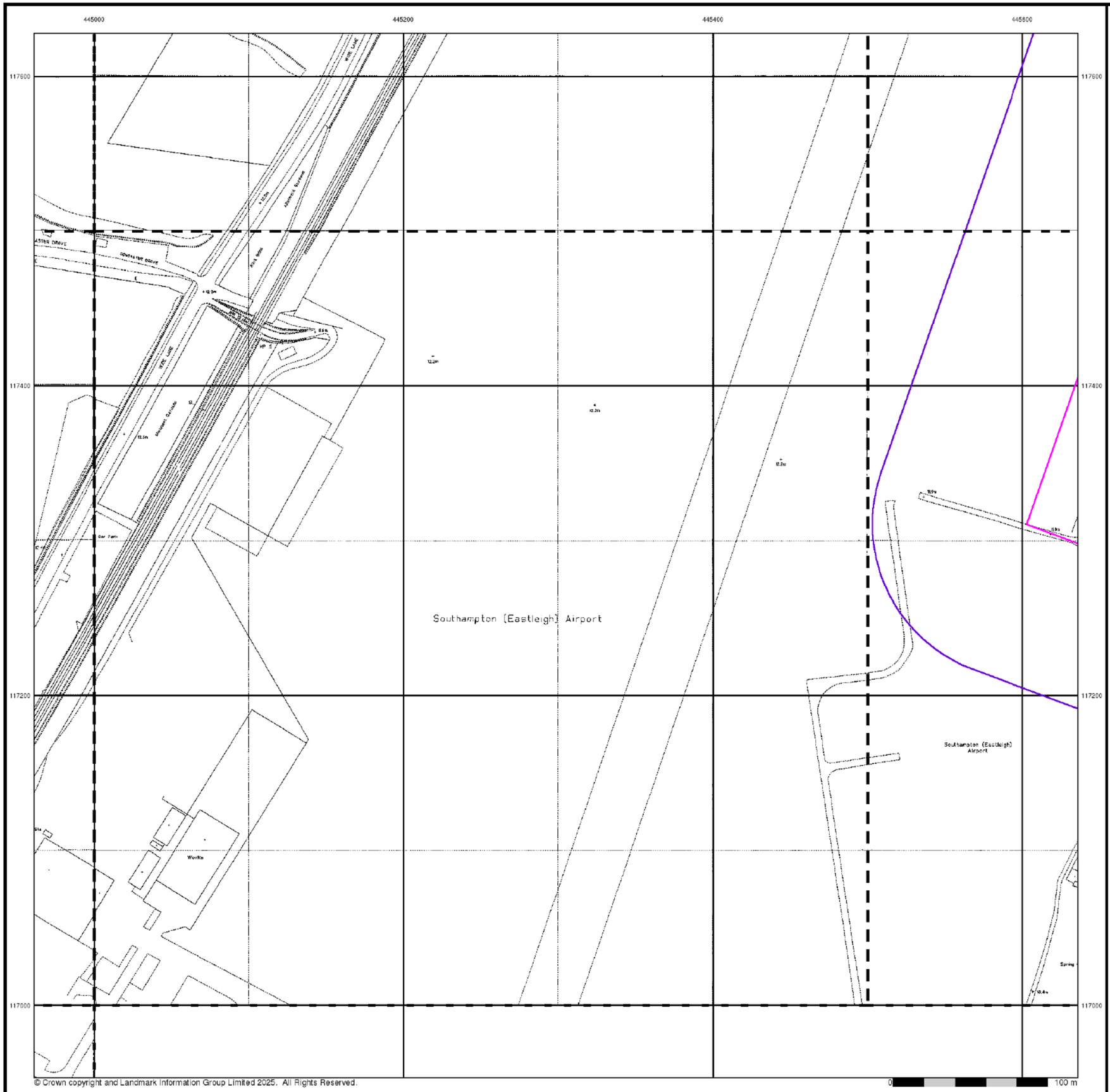


Geo2™

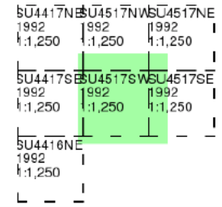
Large-Scale National Grid Data

Published 1992

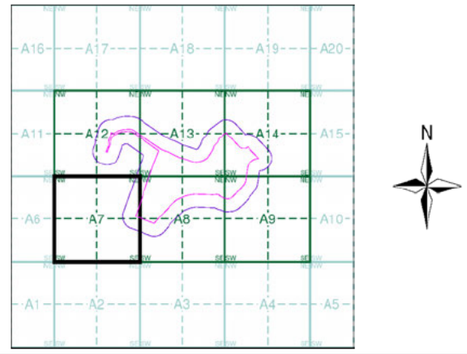
Source map scale - 1:1,250

'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 A7



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

Site Details

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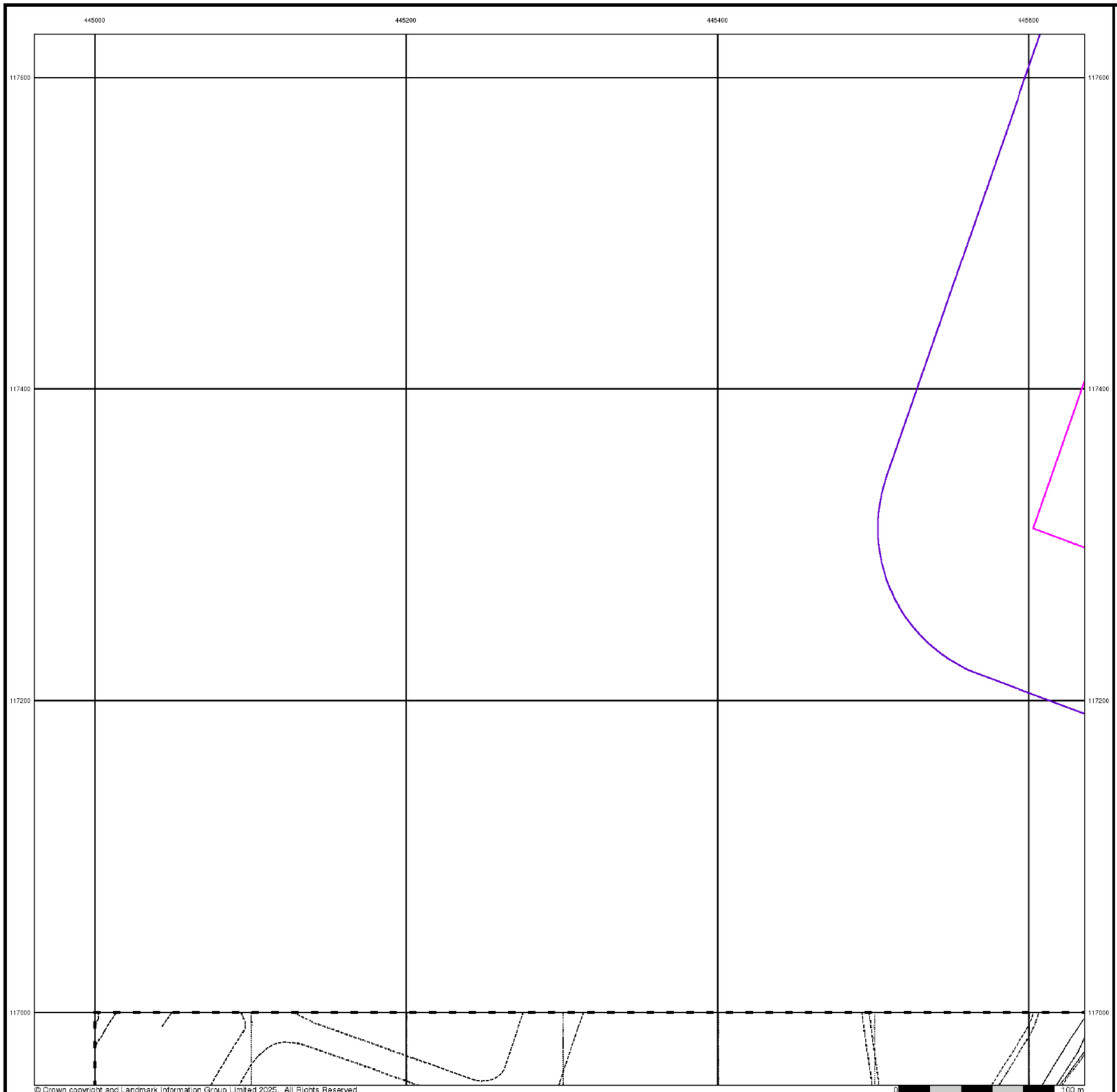

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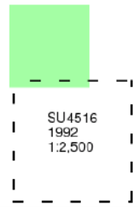
Large-Scale National Grid Data

Published 1992

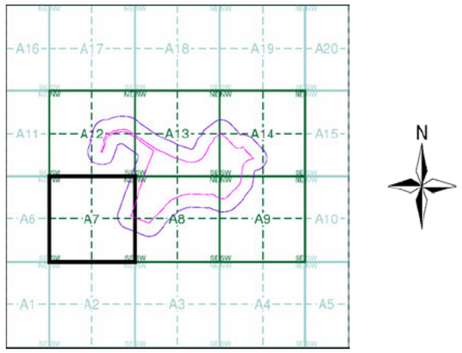
Source map scale - 1:2,500

'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:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
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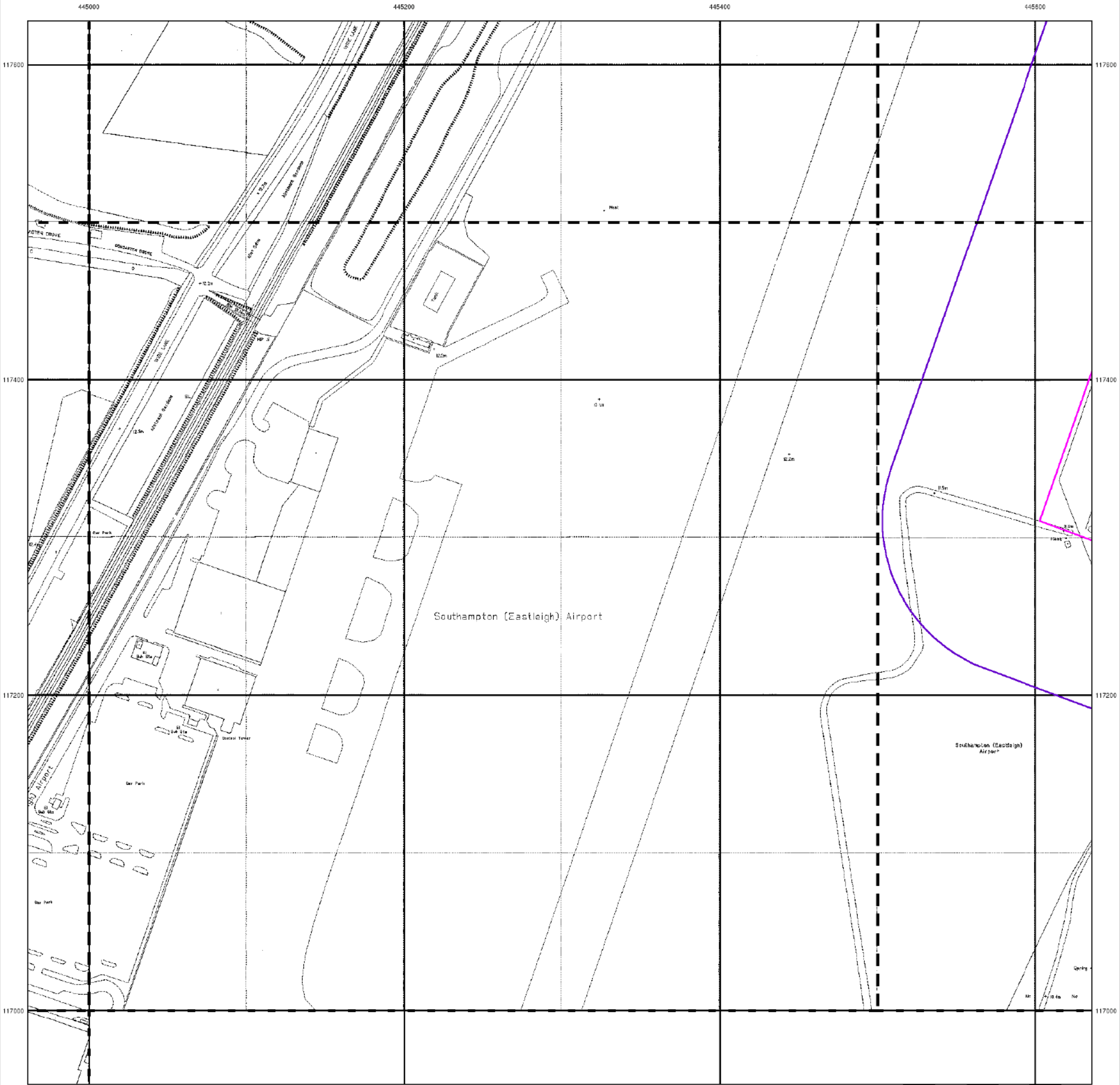

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0 100 m

Geo2™

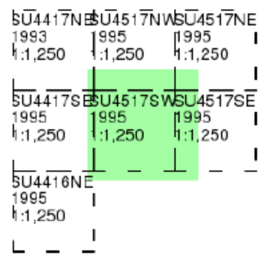
Large-Scale National Grid Data

Published 1993 - 1995

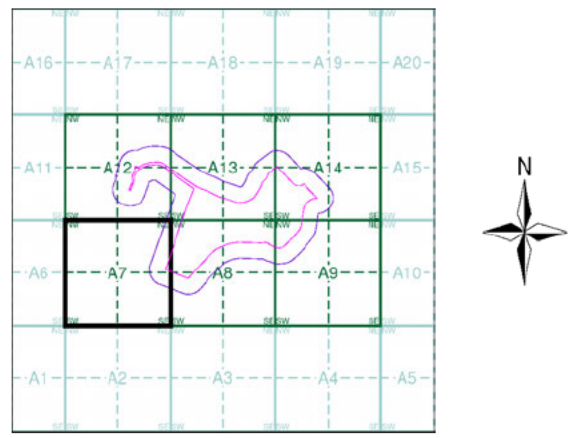
Source map scale - 1:1,250

'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 A7



Order Details

Order Number: 366723883_1_1
Customer Ref: 4362
National Grid Reference: 445940, 117680
Slice: A
Site Area (Ha): 32.62
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Site Details

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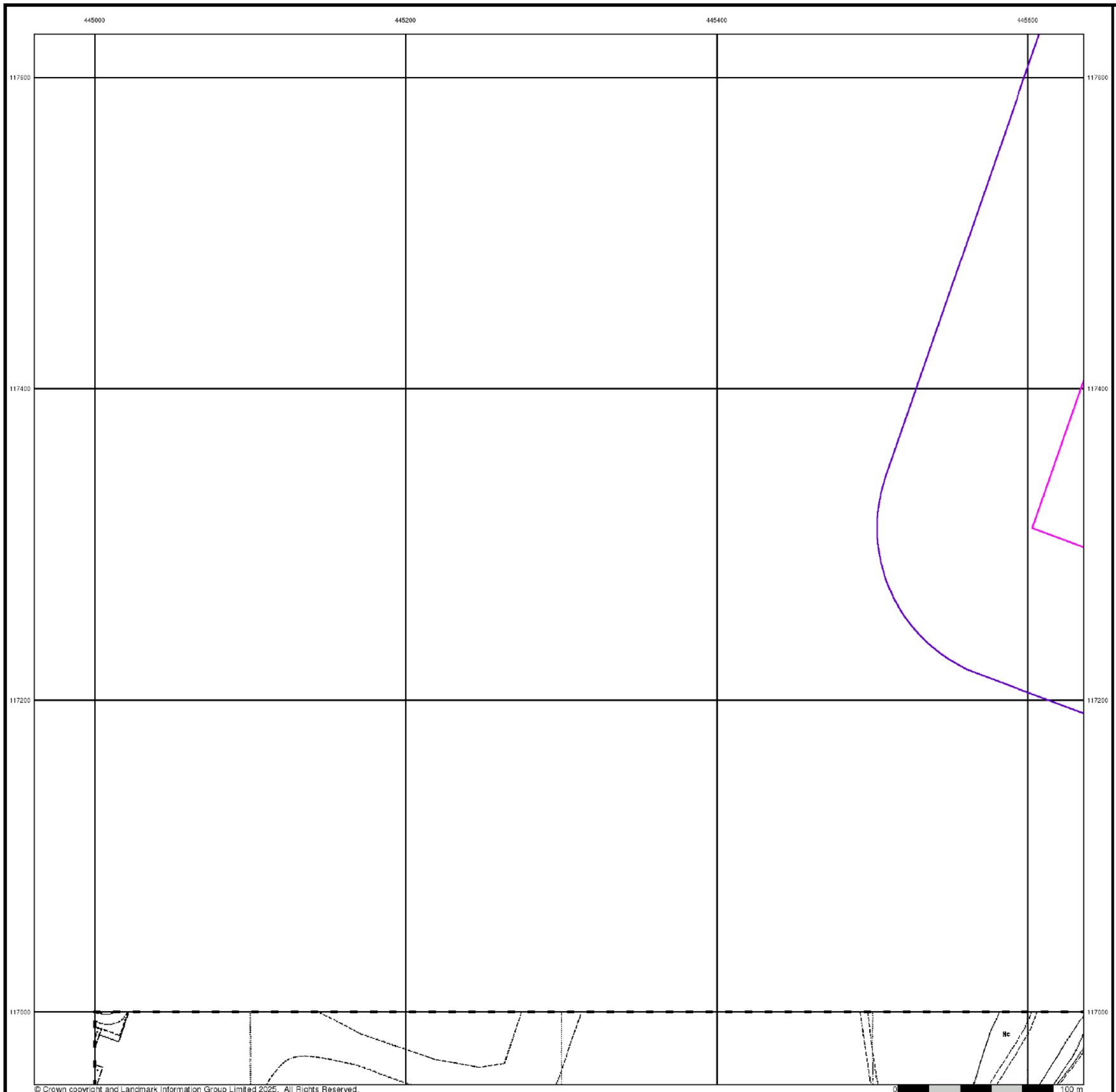

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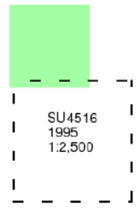
Large-Scale National Grid Data

Published 1995

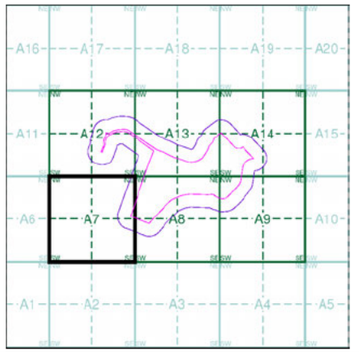
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A7



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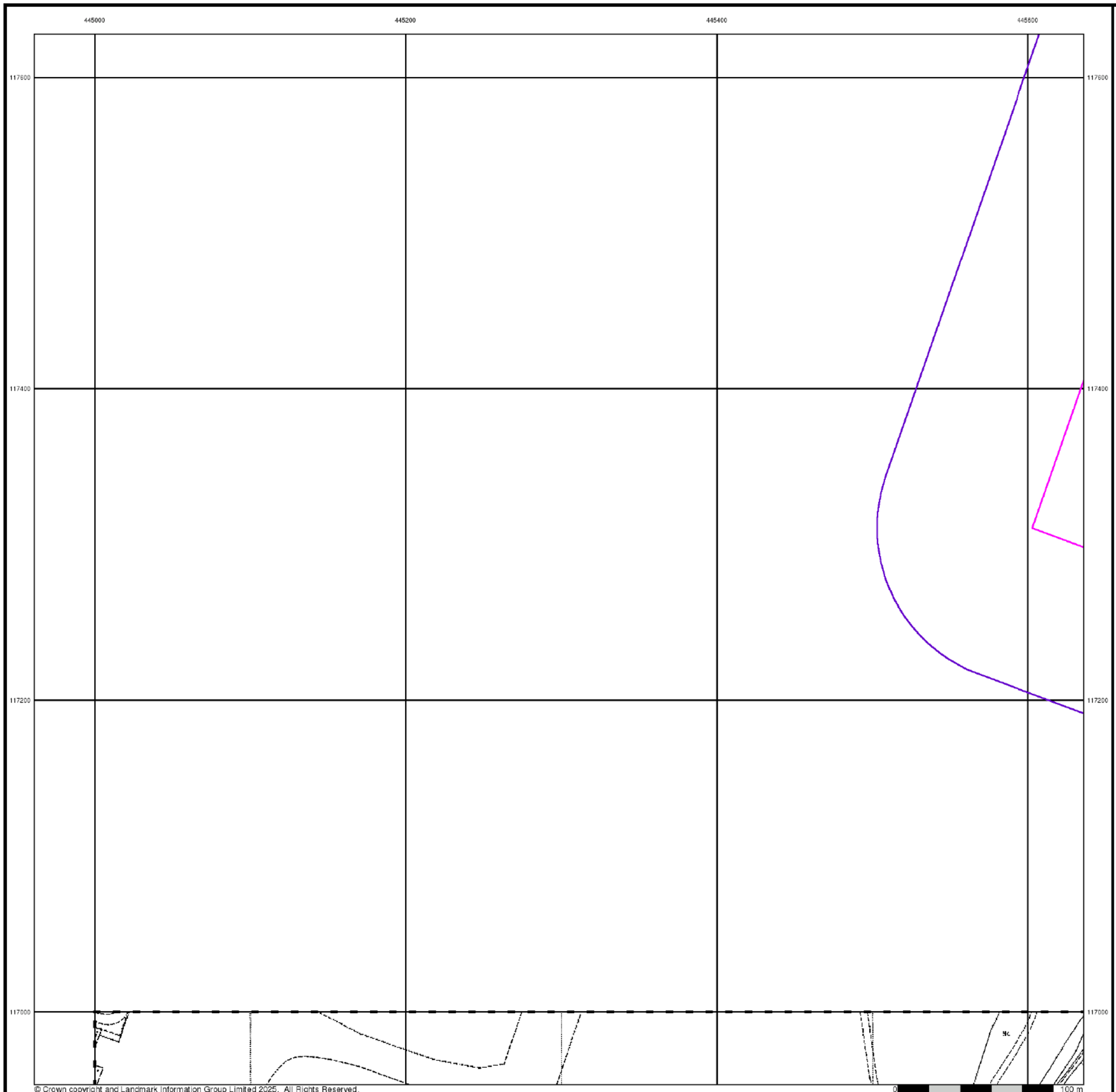


Geo2™

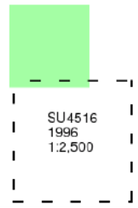
Large-Scale National Grid Data

Published 1996

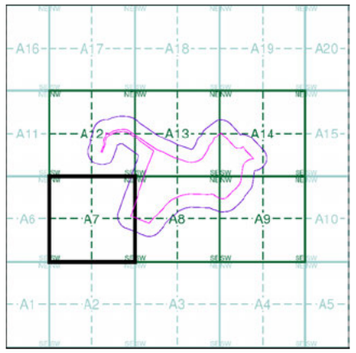
Source map scale - 1:2,500

'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



Order Details

Order Number:	366723883_1_1
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National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
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Site Details

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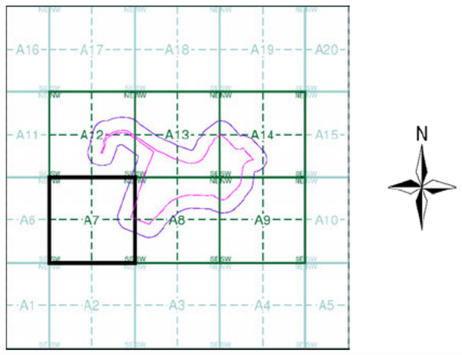
Historical Aerial Photography

Published 1999

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



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

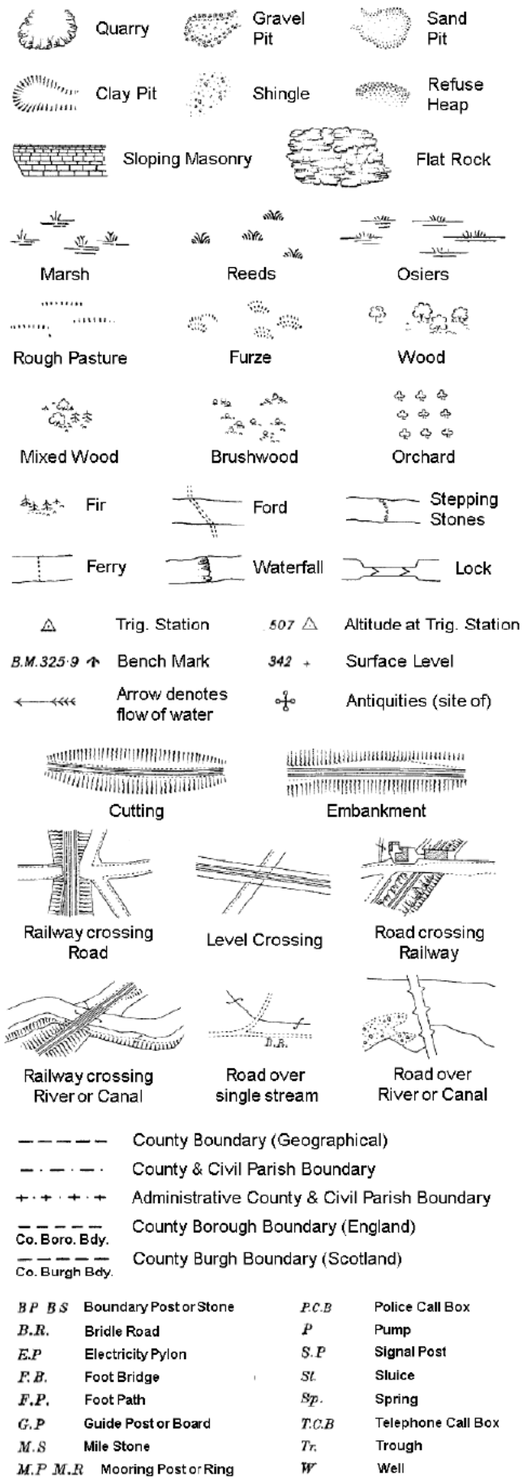
Site Details

Mitchell Way, Southampton, SO50 5QJ

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

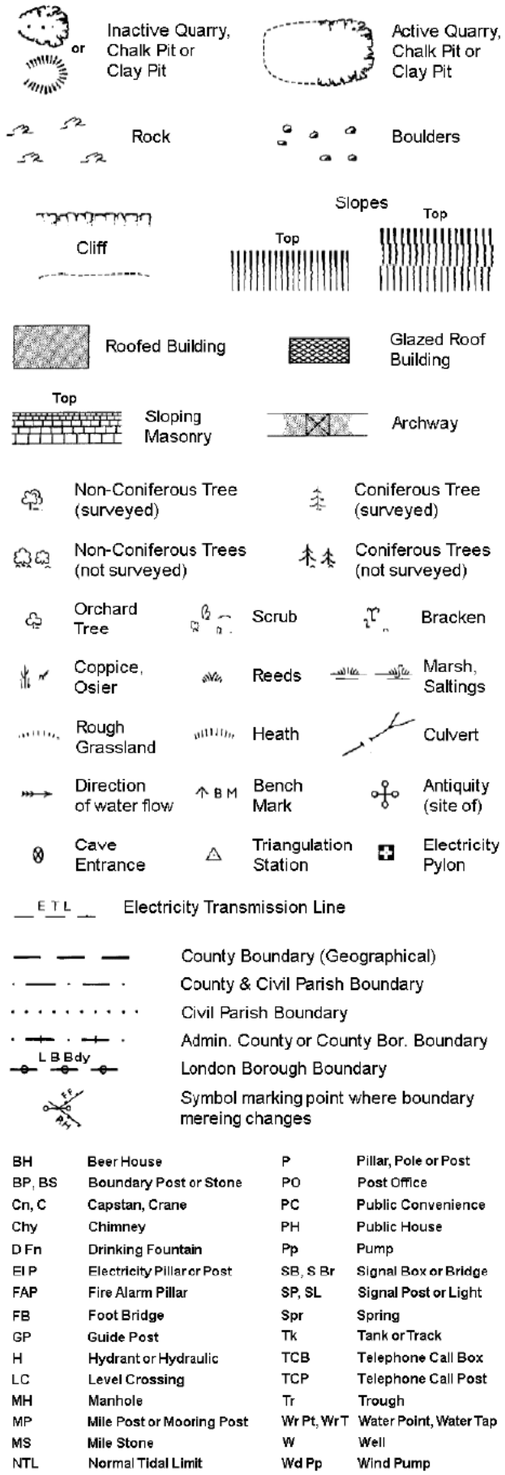
Historical Mapping Legends

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



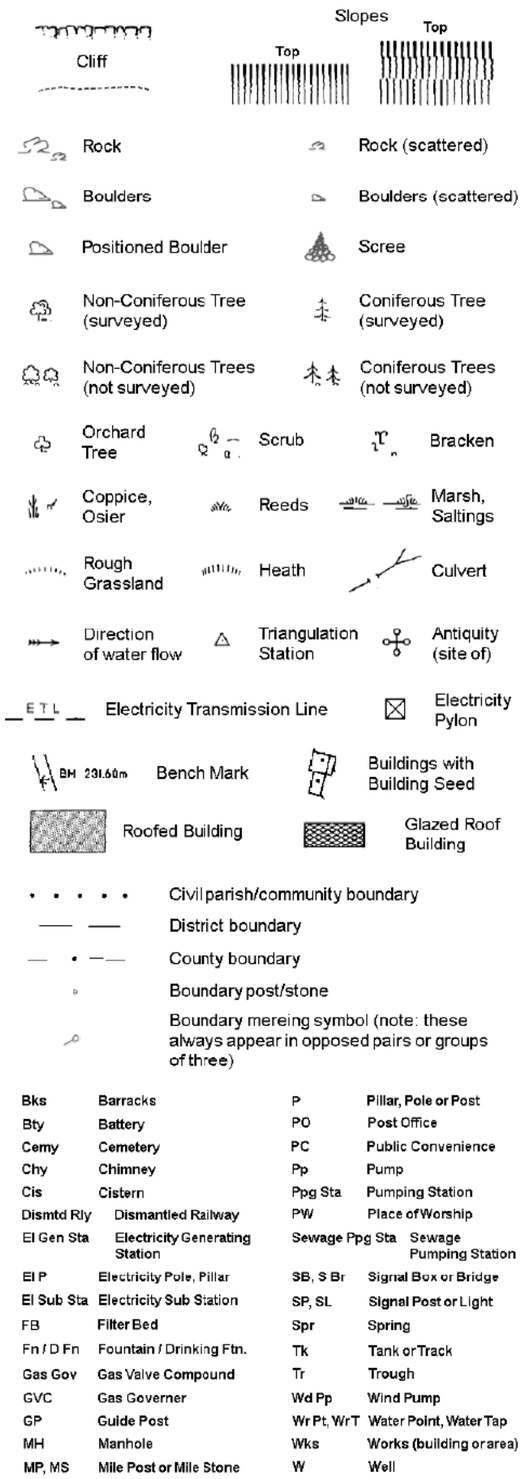
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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



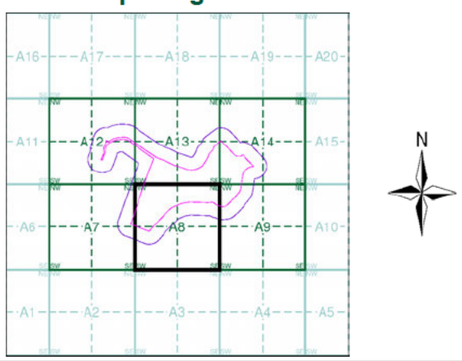
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity 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

Geo2™

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:2,500	1868	2
Hampshire & Isle Of Wight	1:2,500	1869 - 1886	3
Hampshire & Isle Of Wight	1:2,500	1896	4
Hampshire & Isle Of Wight	1:2,500	1909	5
Hampshire & Isle Of Wight	1:2,500	1946	6
Ordnance Survey Plan	1:2,500	1951 - 1964	7
Ordnance Survey Plan	1:1,250	1951	8
Ordnance Survey Plan	1:1,250	1963 - 1972	9
Ordnance Survey Plan	1:2,500	1963 - 1986	10
Ordnance Survey Plan	1:2,500	1967	11
Ordnance Survey Plan	1:1,250	1971	12
Additional SIMs	1:2,500	1987	13
Additional SIMs	1:1,250	1991	14
Large-Scale National Grid Data	1:2,500	1992	15
Large-Scale National Grid Data	1:1,250	1992	16
Large-Scale National Grid Data	1:1,250	1995	17
Large-Scale National Grid Data	1:2,500	1995	18
Large-Scale National Grid Data	1:1,250	1996	19
Large-Scale National Grid Data	1:2,500	1996	20
Large-Scale National Grid Data	1:2,500	1996	21
Historical Aerial Photography	1:2,500	1999	22

Historical Map - Segment A8



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
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Site Area (Ha):	32.62
Search Buffer (m):	100

Site Details

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Geo2™

Hampshire & Isle Of Wight

Published 1868

Source map scale - 1:2,500

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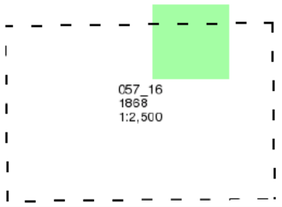
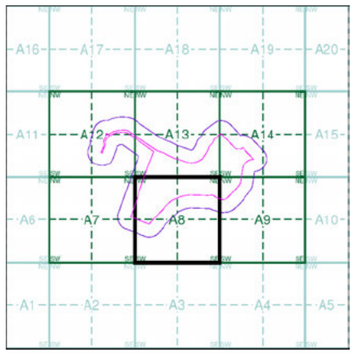
Map Name(s) and Date(s)



Historical Map - Segment A8



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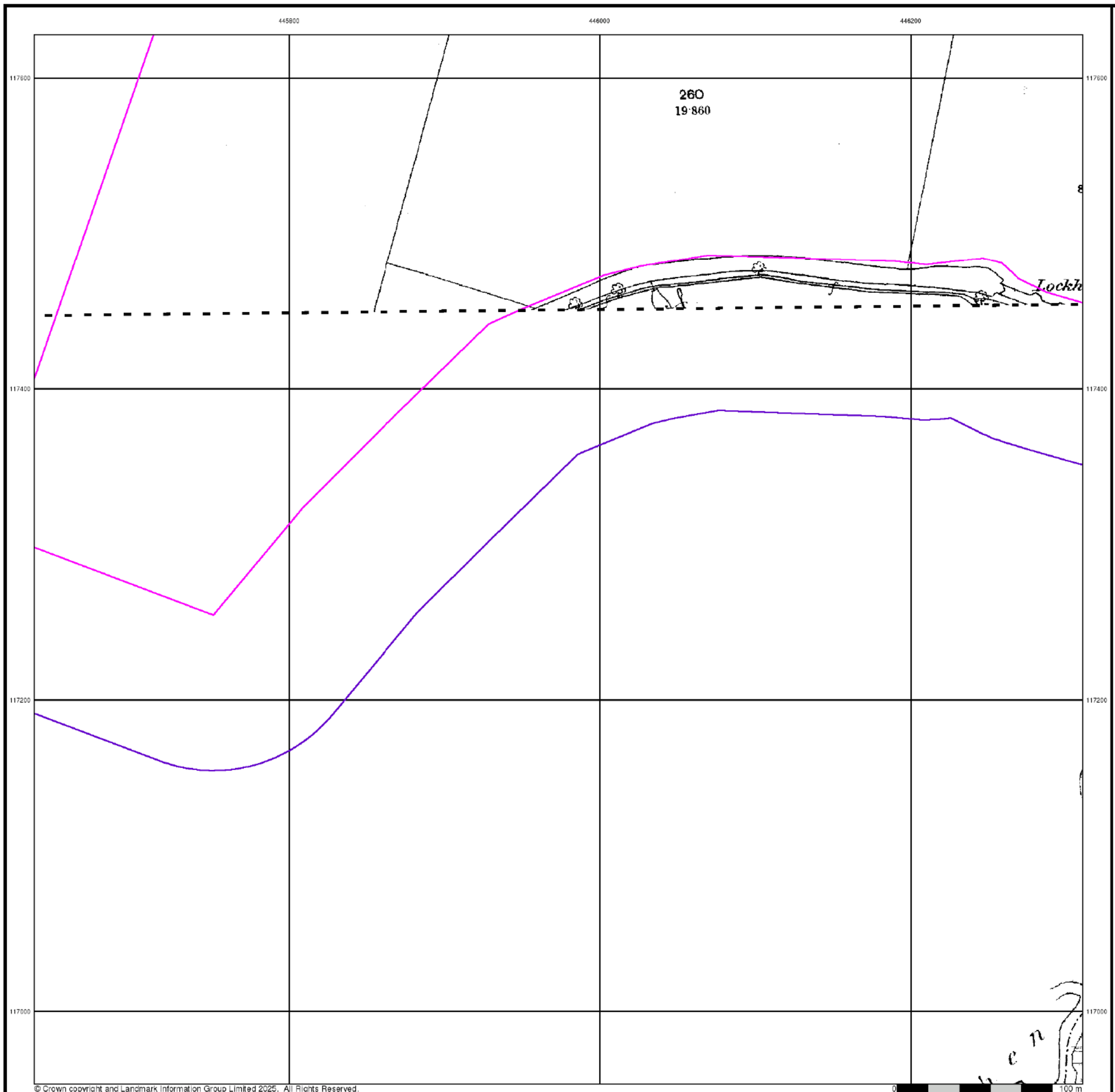

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Geo2™

Hampshire & Isle Of Wight

Published 1869 - 1886

Source map scale - 1:2,500

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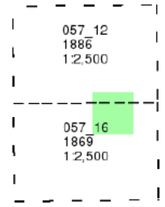
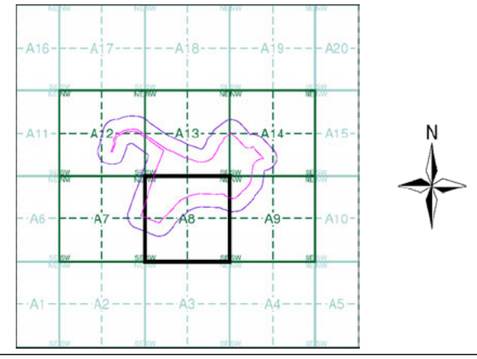
Map Name(s) and Date(s)



Historical Map - Segment A8



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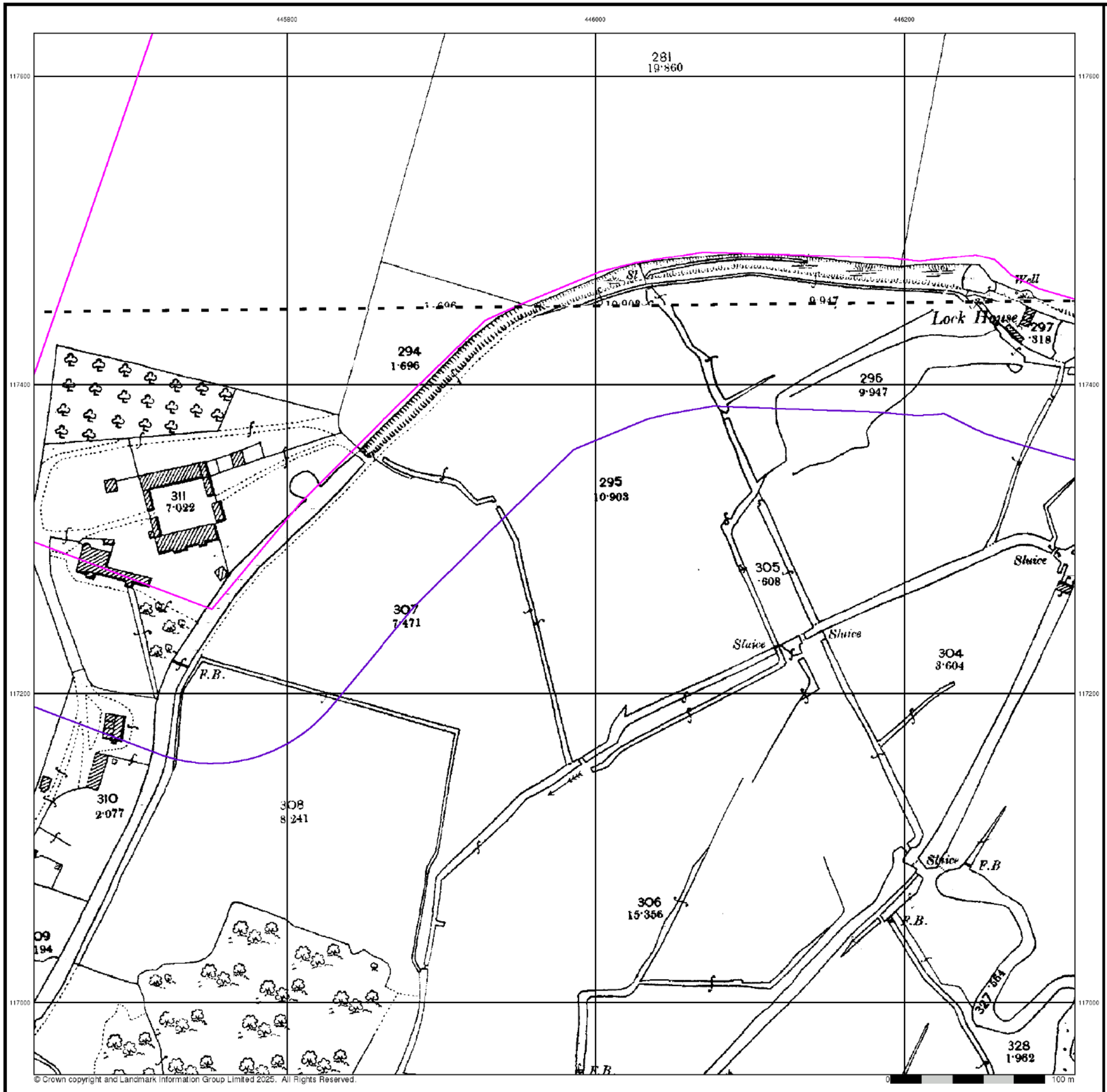

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Hampshire & Isle Of Wight

Published 1896

Source map scale - 1:2,500

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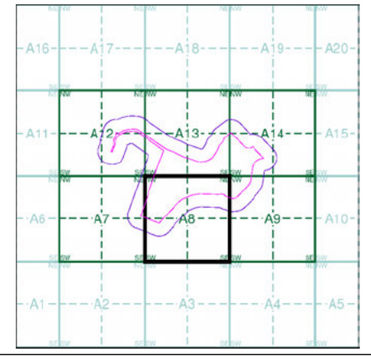
Map Name(s) and Date(s)

057_12
1896
1:2,500

057_16
1896
1:2,500

Historical Map - Segment A8



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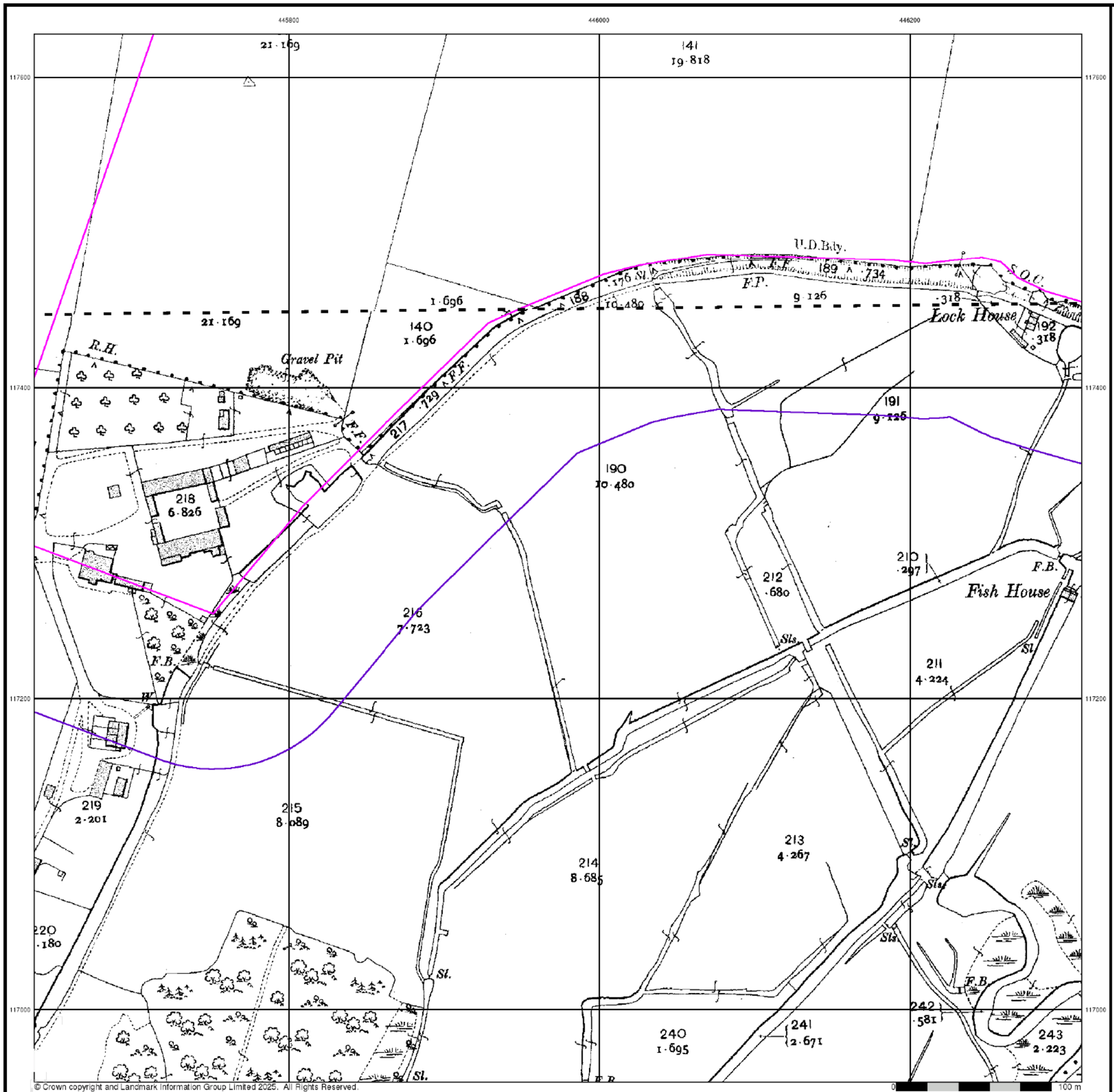

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Hampshire & Isle Of Wight

Published 1909

Source map scale - 1:2,500

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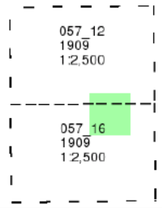
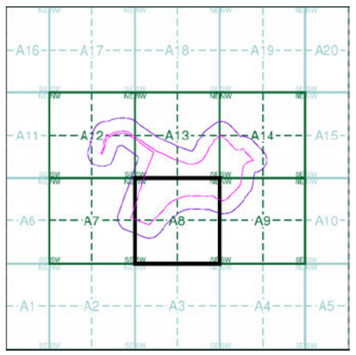
Map Name(s) and Date(s)



Historical Map - Segment A8



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
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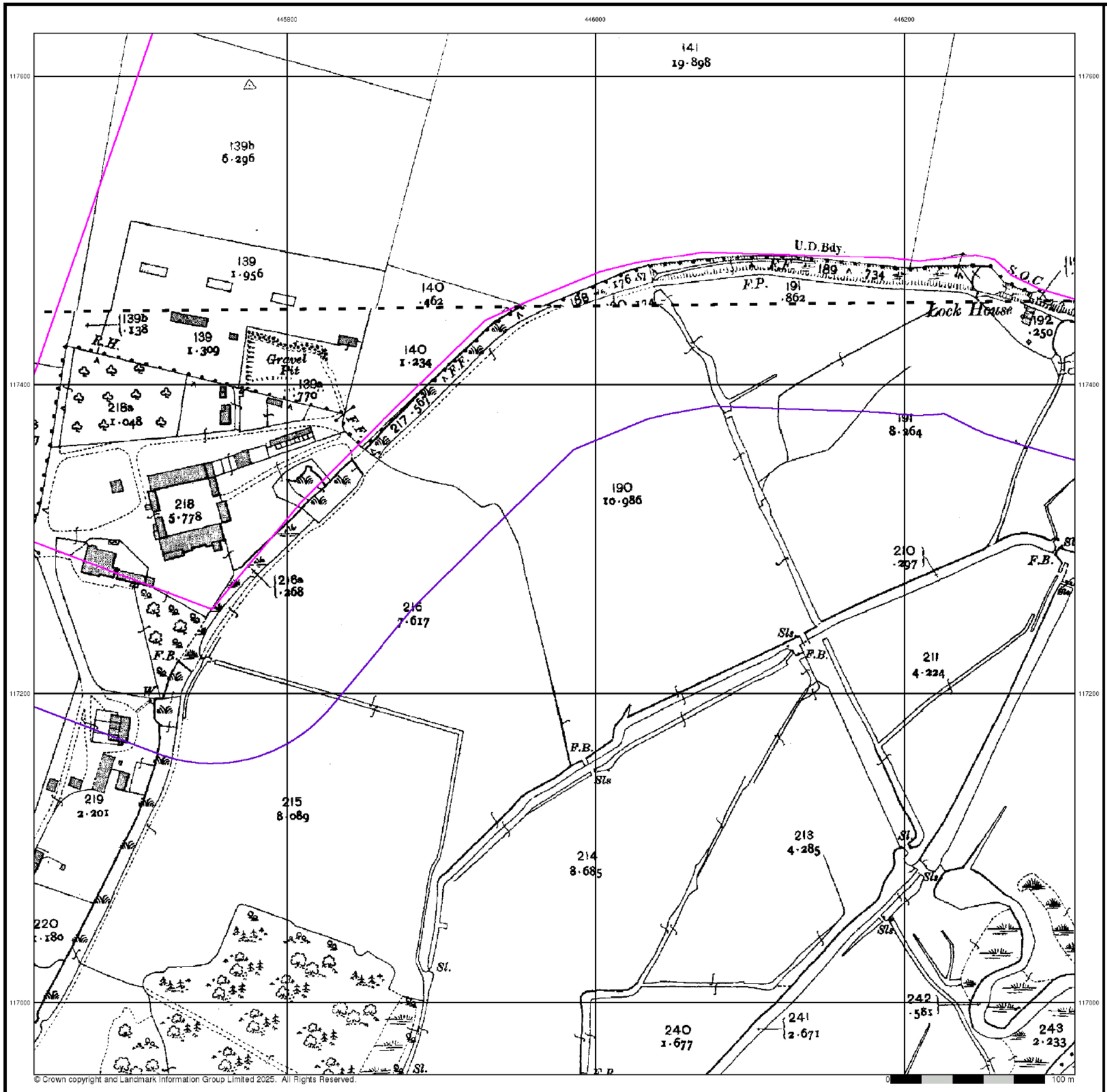

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Geo2™

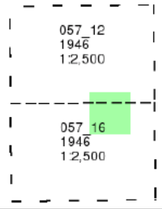
Hampshire & Isle Of Wight

Published 1946

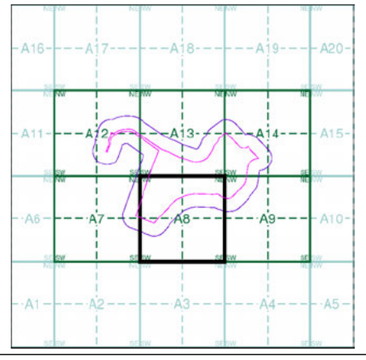
Source map scale - 1:2,500

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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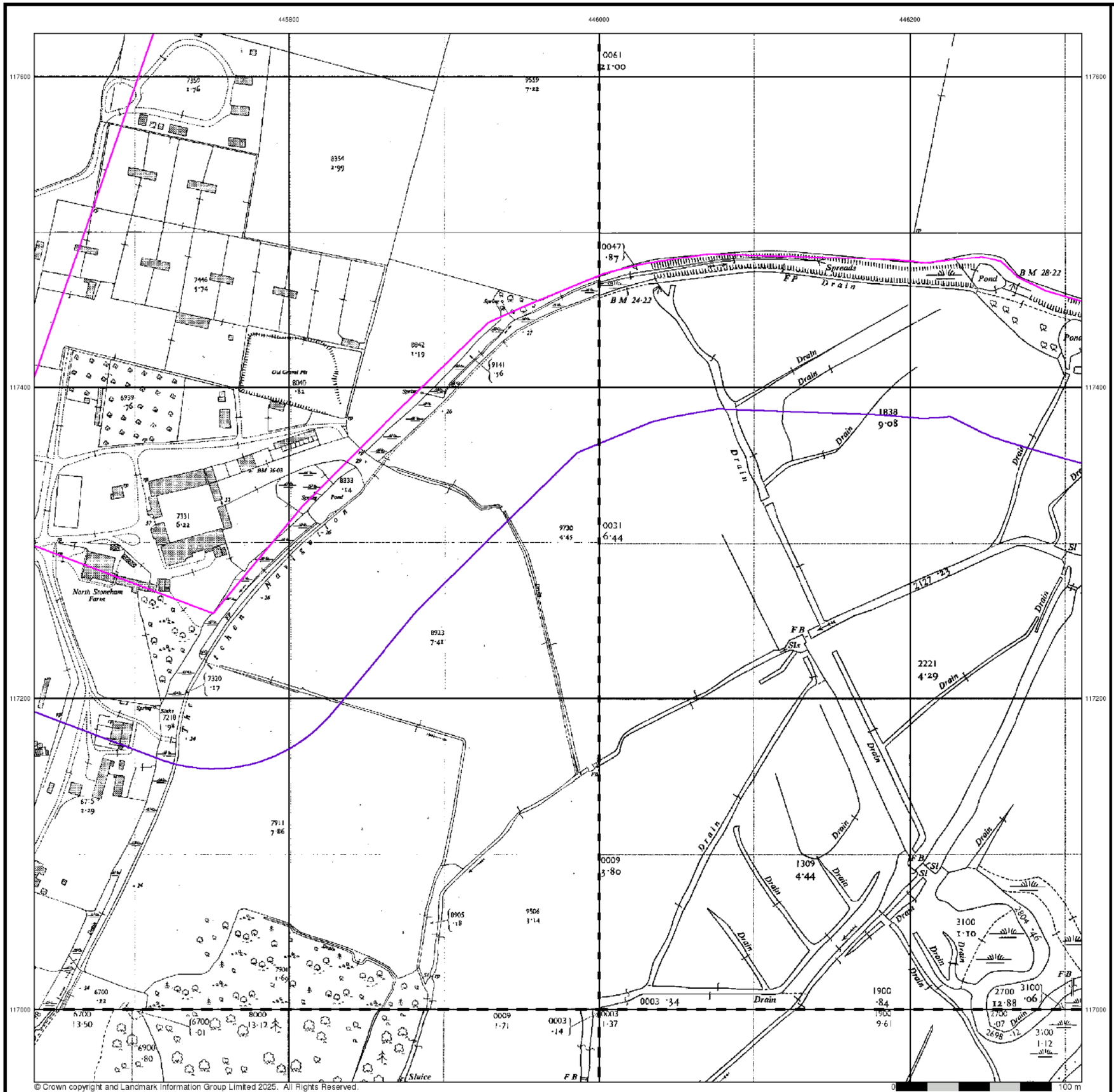

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Geo2™

Ordnance Survey Plan

Published 1951 - 1964

Source map scale - 1:2,500

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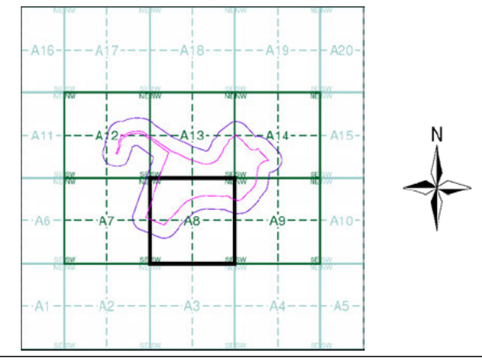
Map Name(s) and Date(s)

SU4517 1951 1:2,500	SU4617 1963 1:2,500
SU4516 1964 1:2,500	SU4616 1963 1:2,500

Historical Map - Segment A8



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

Site Details

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0 100 m

Geo2™

Ordnance Survey Plan

Published 1951

Source map scale - 1:1,250

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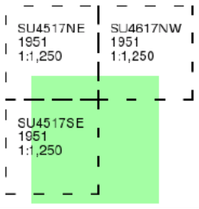
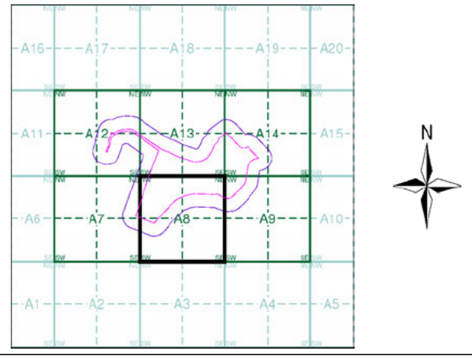
Map Name(s) and Date(s)



Historical Map - Segment A8



Order Details

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Search Buffer (m):	100

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Geo2™

Ordnance Survey Plan

Published 1963 - 1972

Source map scale - 1:1,250

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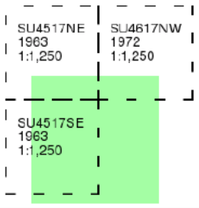
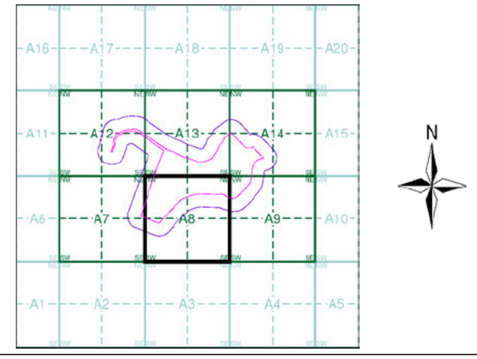
Map Name(s) and Date(s)



Historical Map - Segment A8



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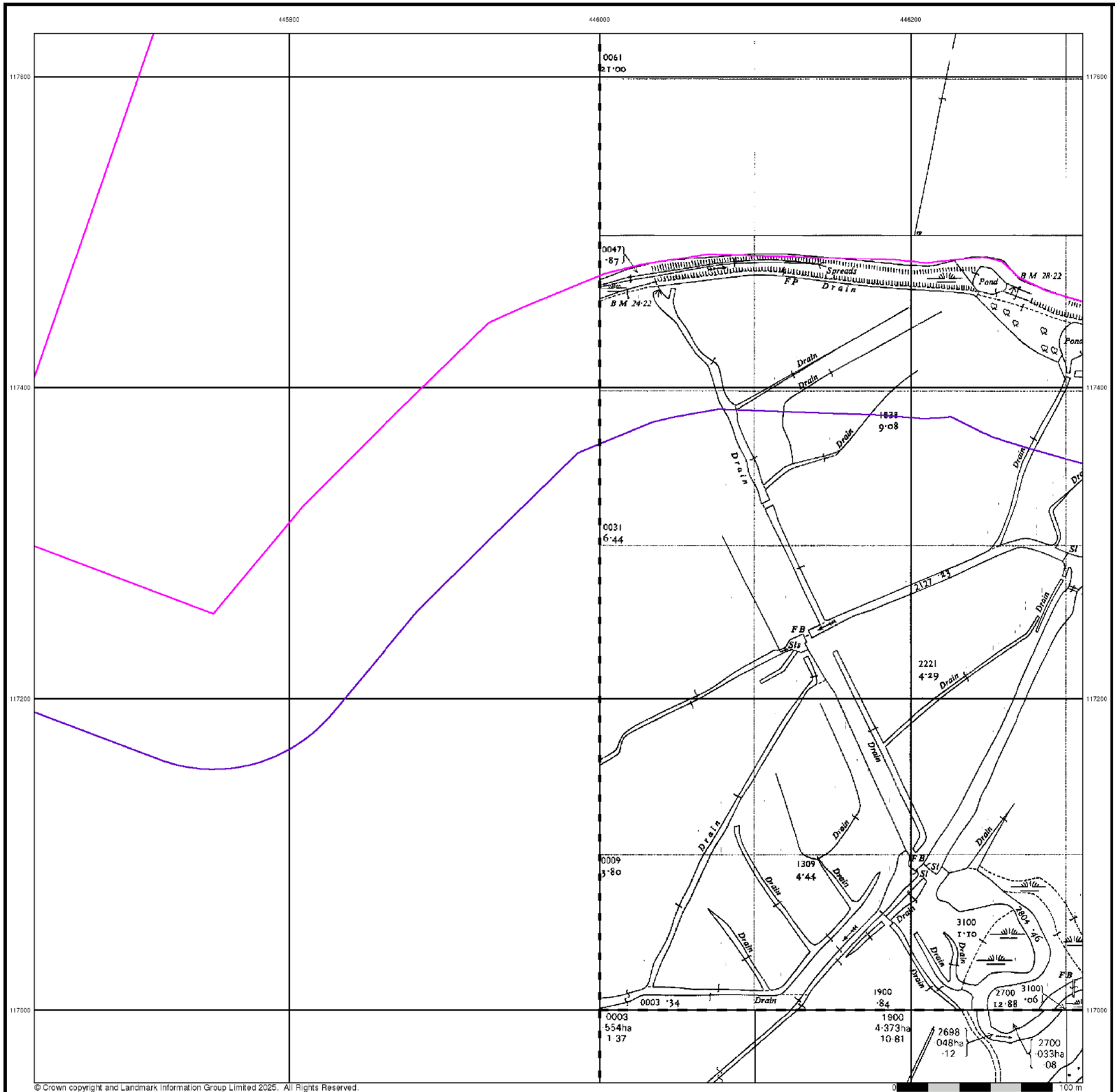

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Geo2™

Ordnance Survey Plan

Published 1963 - 1986

Source map scale - 1:2,500

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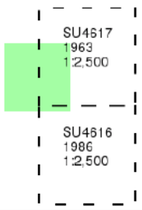
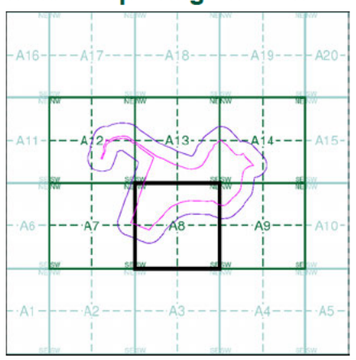
Map Name(s) and Date(s)



Historical Map - Segment A8



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Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

Site Details

Mitchell Way, Southampton, SO50 5QJ

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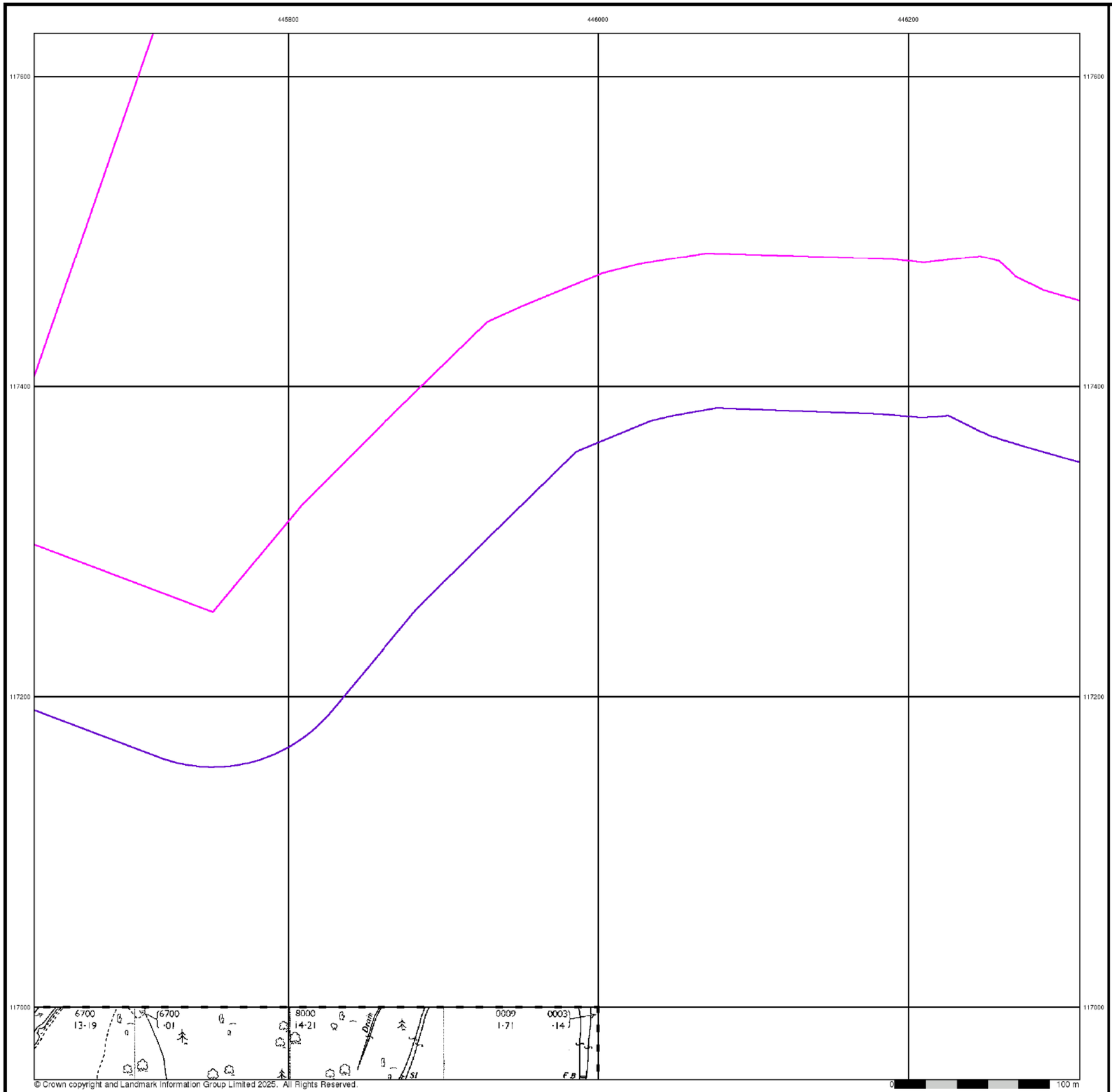
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Geo2™

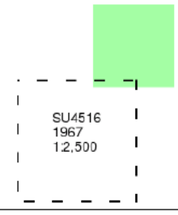
Ordnance Survey Plan

Published 1967

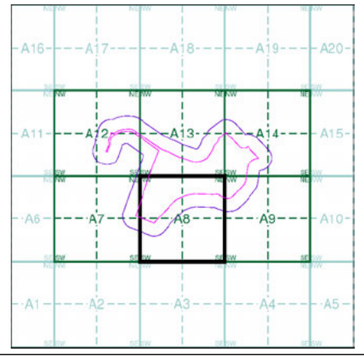
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A8



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

Site Details

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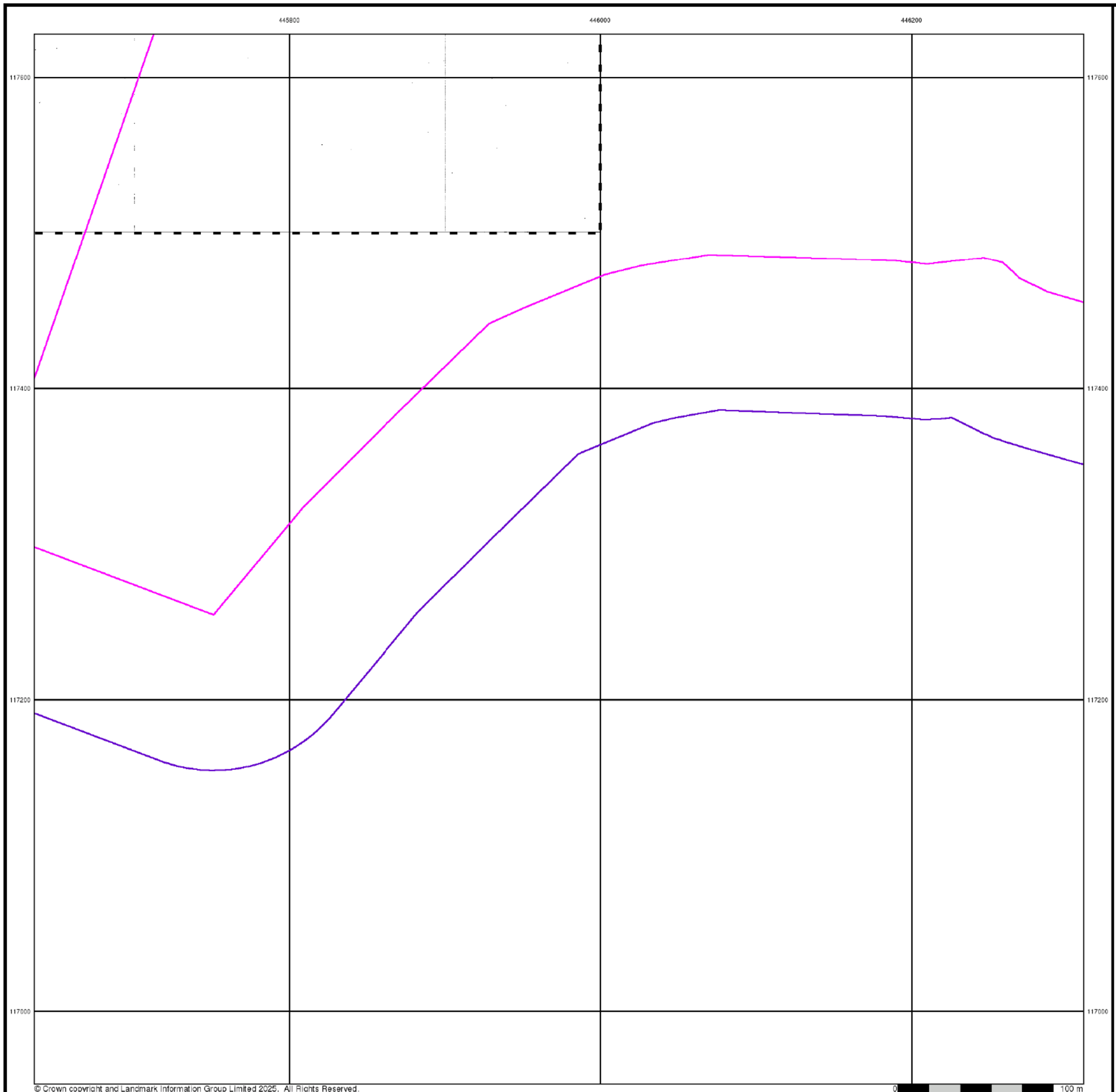

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Geo2™

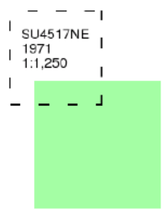
Ordnance Survey Plan

Published 1971

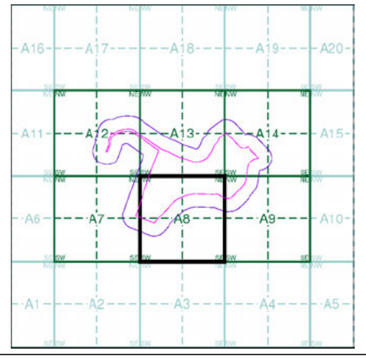
Source map scale - 1:1,250

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 A8



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

Site Details

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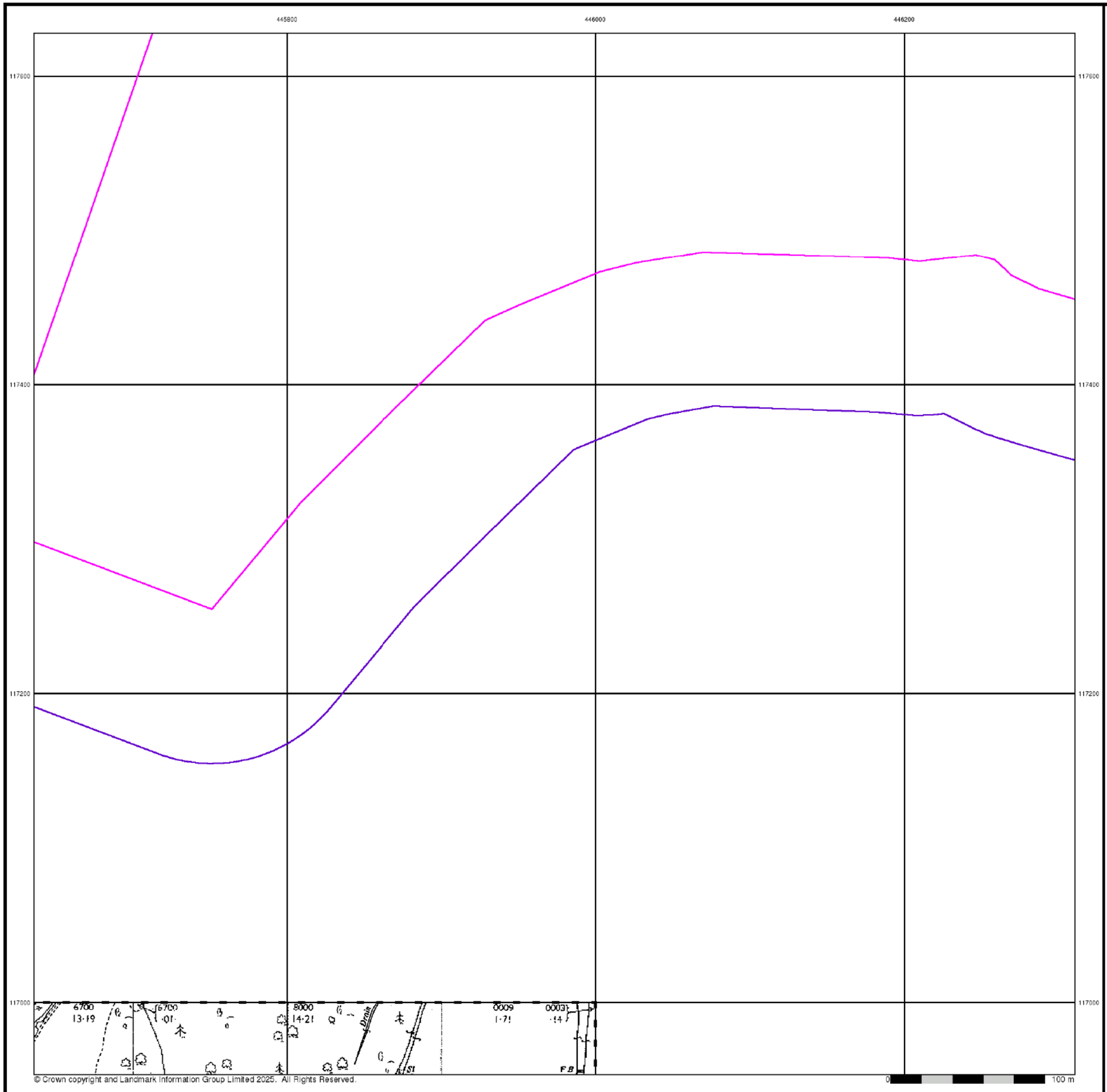

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Geo2™

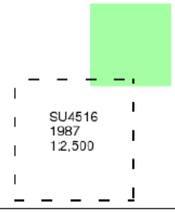
Additional SIMs

Published 1987

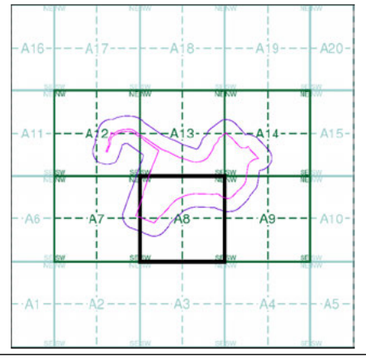
Source map scale - 1:2,500

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 A8



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

Site Details

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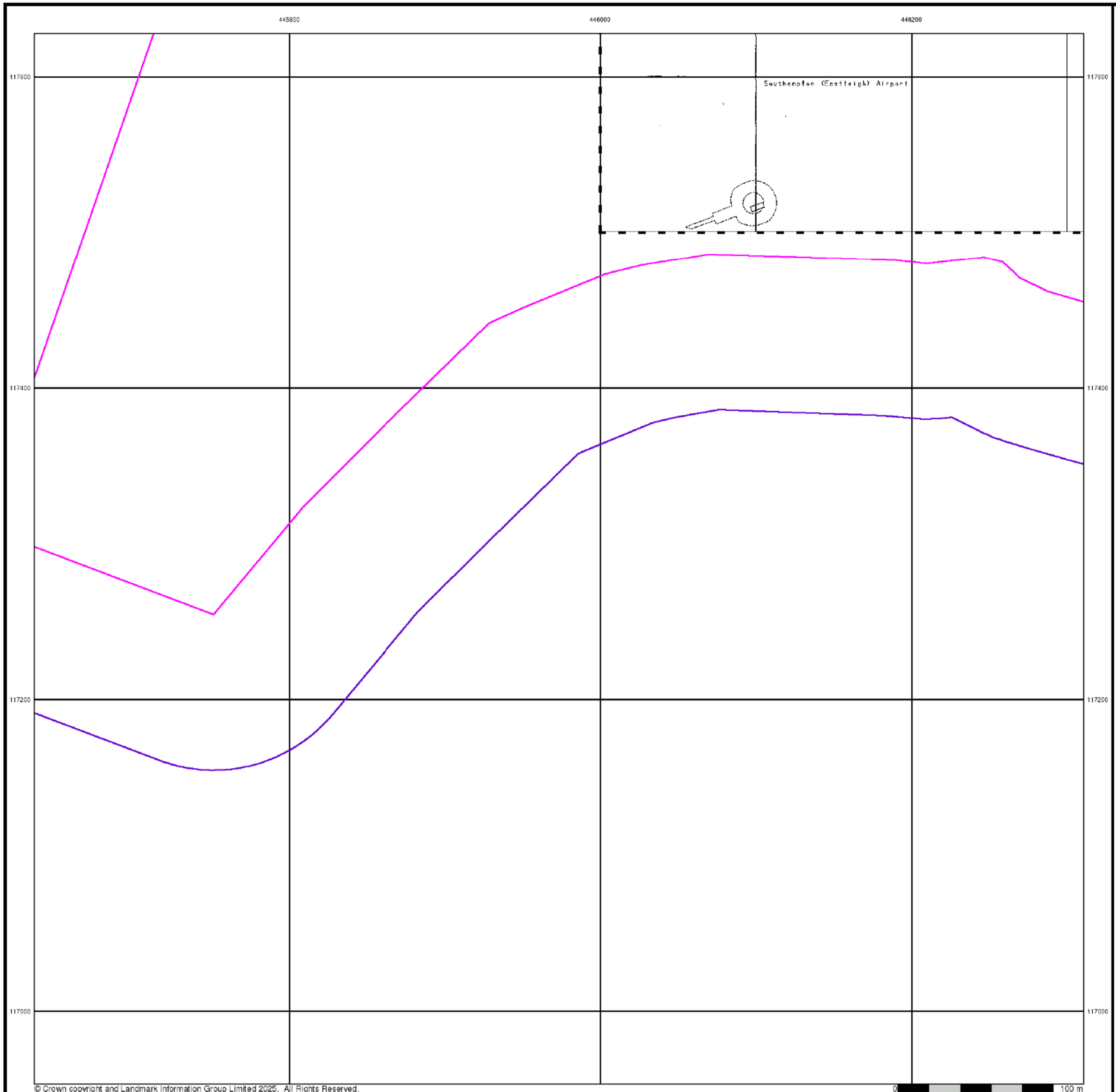

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Geo2™

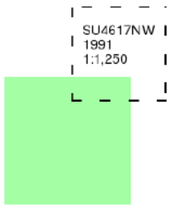
Additional SIMs

Published 1991

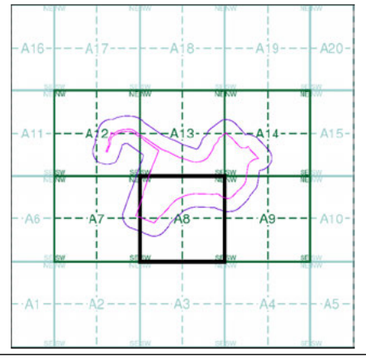
Source map scale - 1:1,250

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)



Historical Map - Segment A8



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
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Site Details

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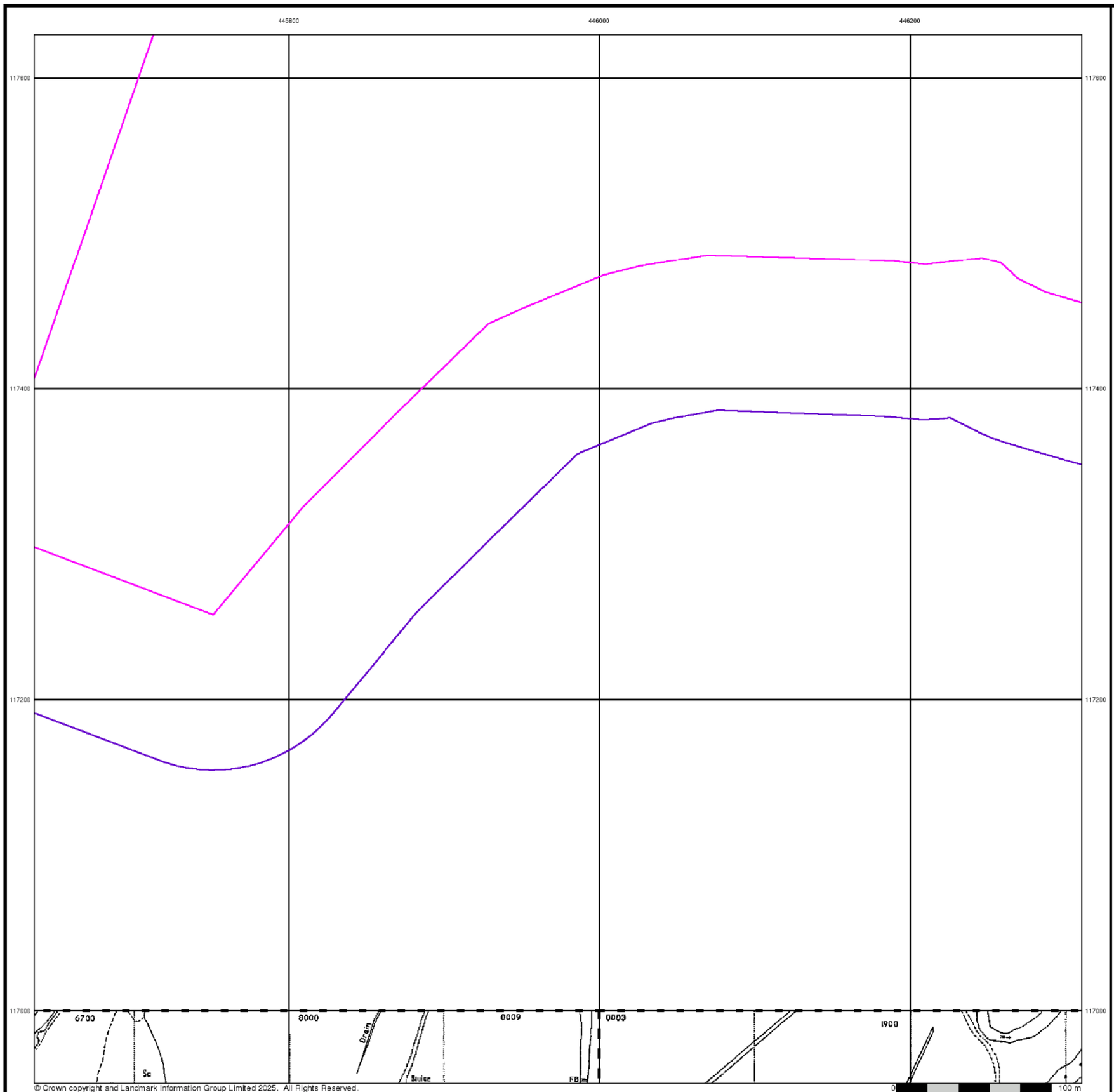

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0 100 m

Geo2™

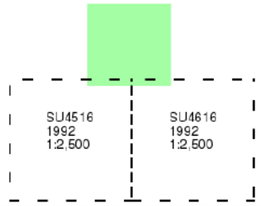
Large-Scale National Grid Data

Published 1992

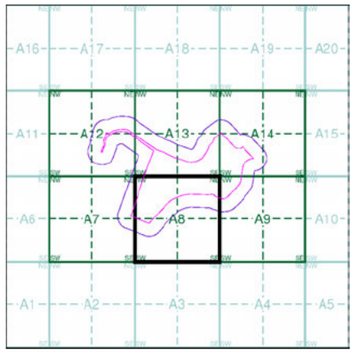
Source map scale - 1:2,500

'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



Order Details

Order Number:	366723883_1_1
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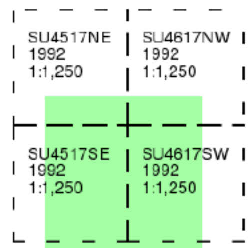
Large-Scale National Grid Data

Published 1992

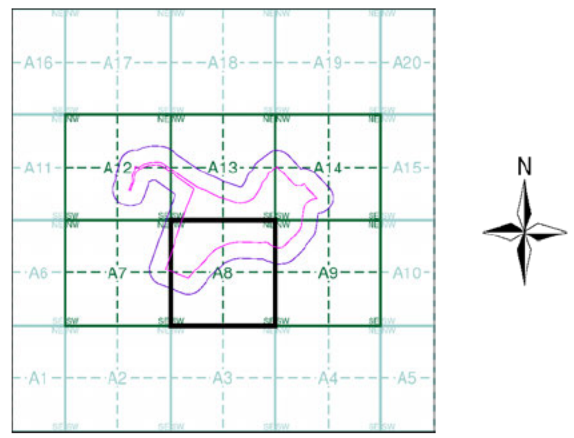
Source map scale - 1:1,250

'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 A8



Order Details

Order Number: 366723883_1_1
Customer Ref: 4362
National Grid Reference: 445940, 117680
Slice: A
Site Area (Ha): 32.62
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Site Details

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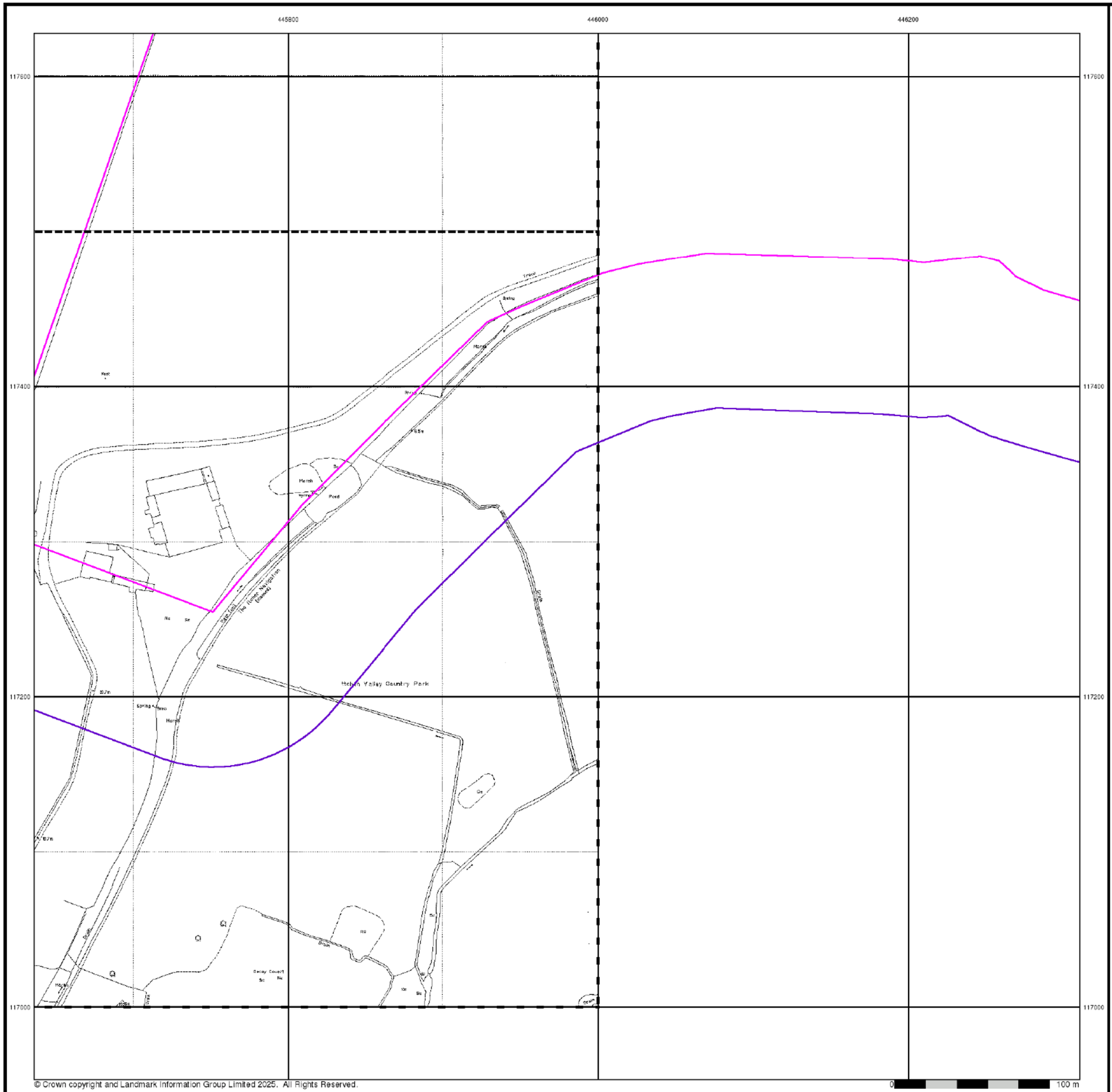

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Geo2™

Large-Scale National Grid Data

Published 1995

Source map scale - 1:1,250

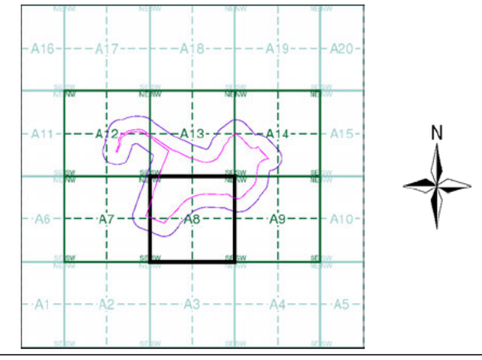
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic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

Map Name(s) and Date(s)

SU4517NE
1995
1:1,250

SU4517SE
1995
1:1,250

Historical Map - Segment A8



Order Details

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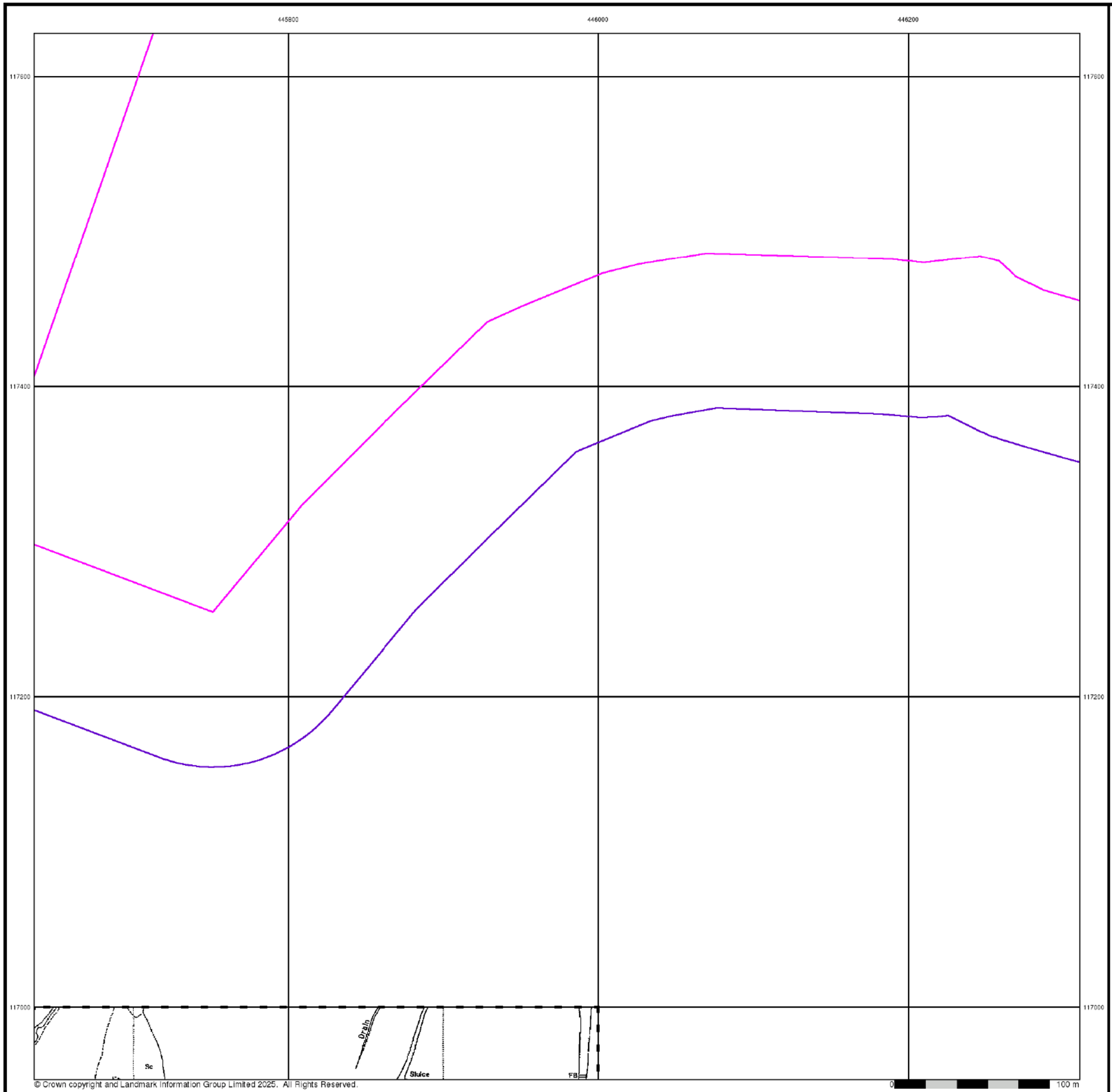

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Geo2™

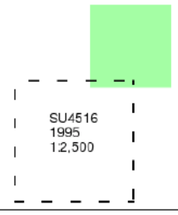
Large-Scale National Grid Data

Published 1995

Source map scale - 1:2,500

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

Map Name(s) and Date(s)



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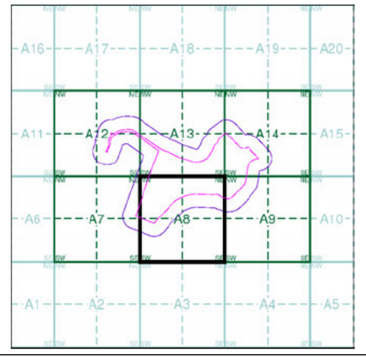

Order Details

Order Number:	366723883_1_1
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National Grid Reference:	445940, 117680
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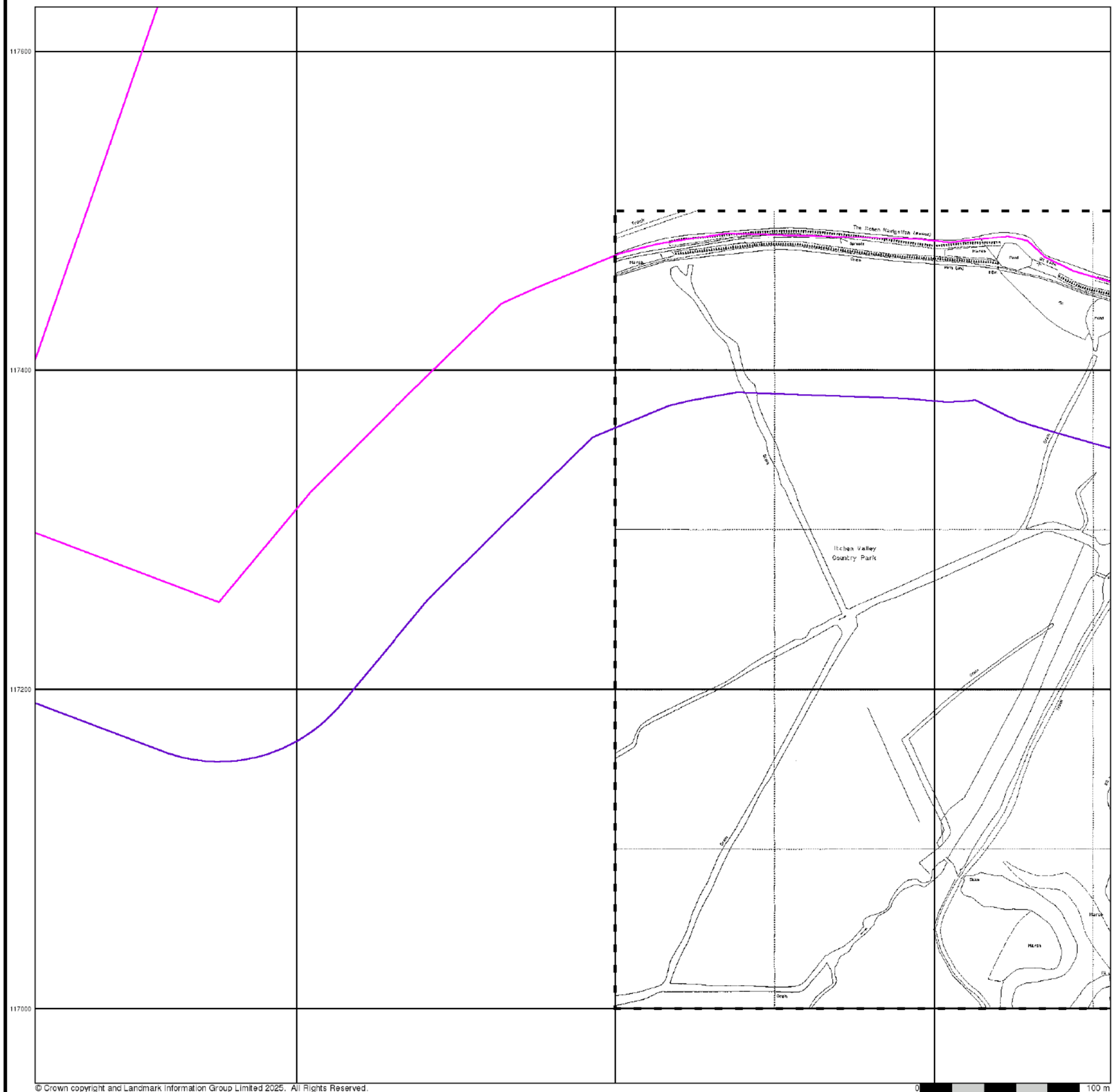

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Geo2™

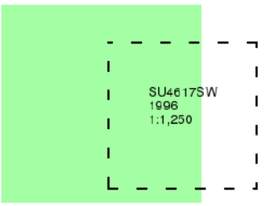
Large-Scale National Grid Data

Published 1996

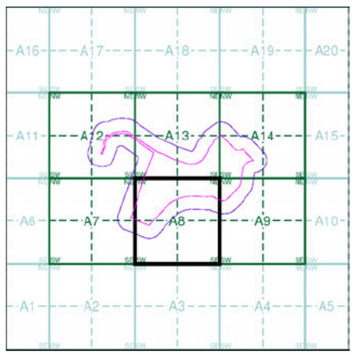
Source map scale - 1:1,250

'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 A8



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
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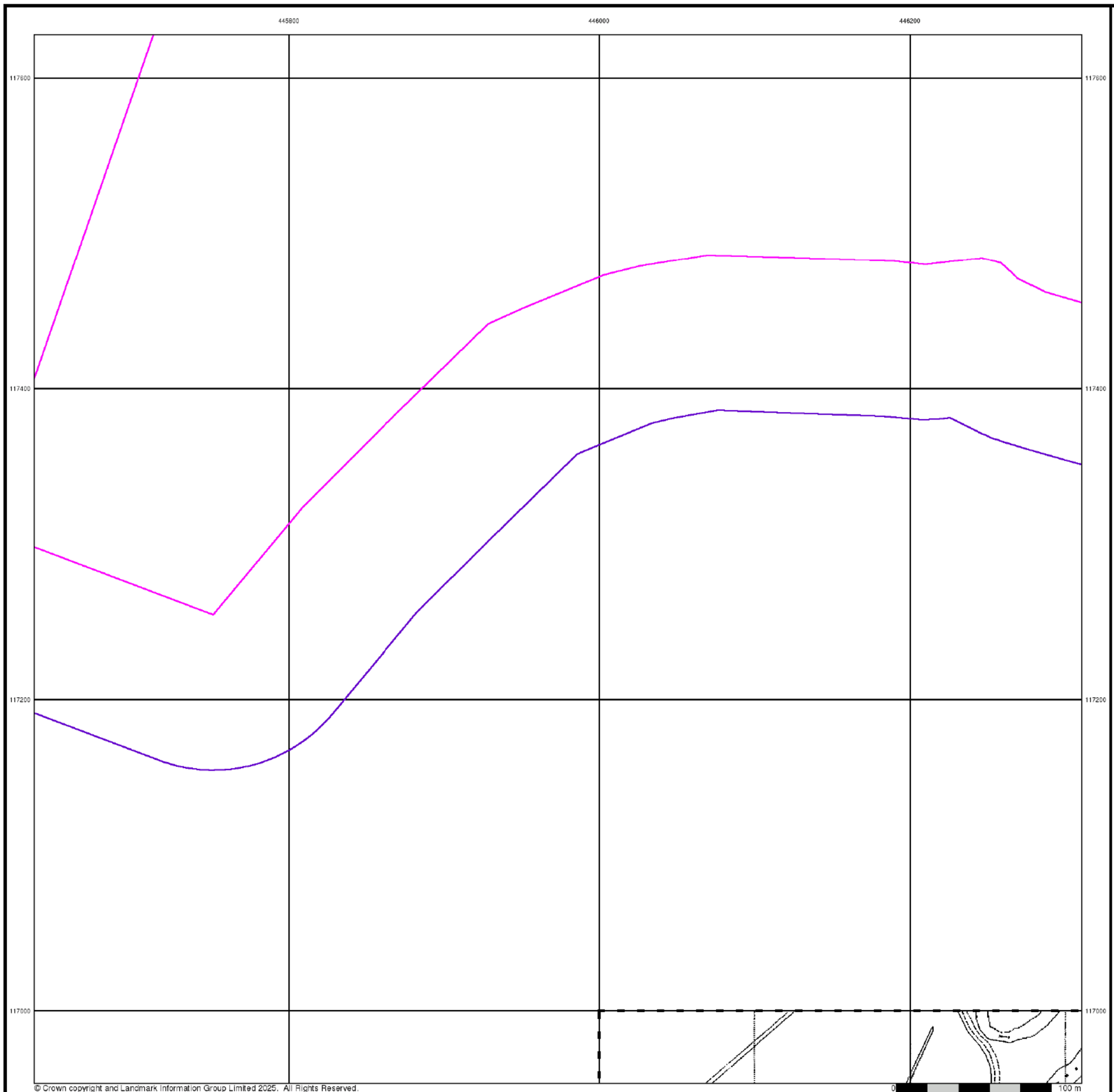

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Geo2™

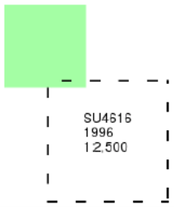
Large-Scale National Grid Data

Published 1996

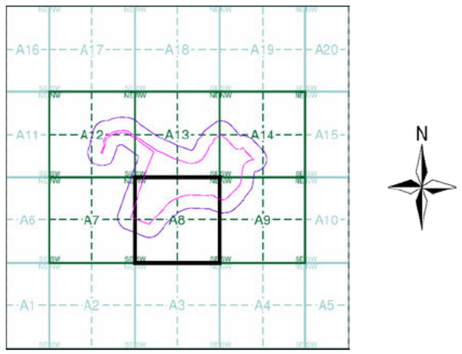
Source map scale - 1:2,500

'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 A8



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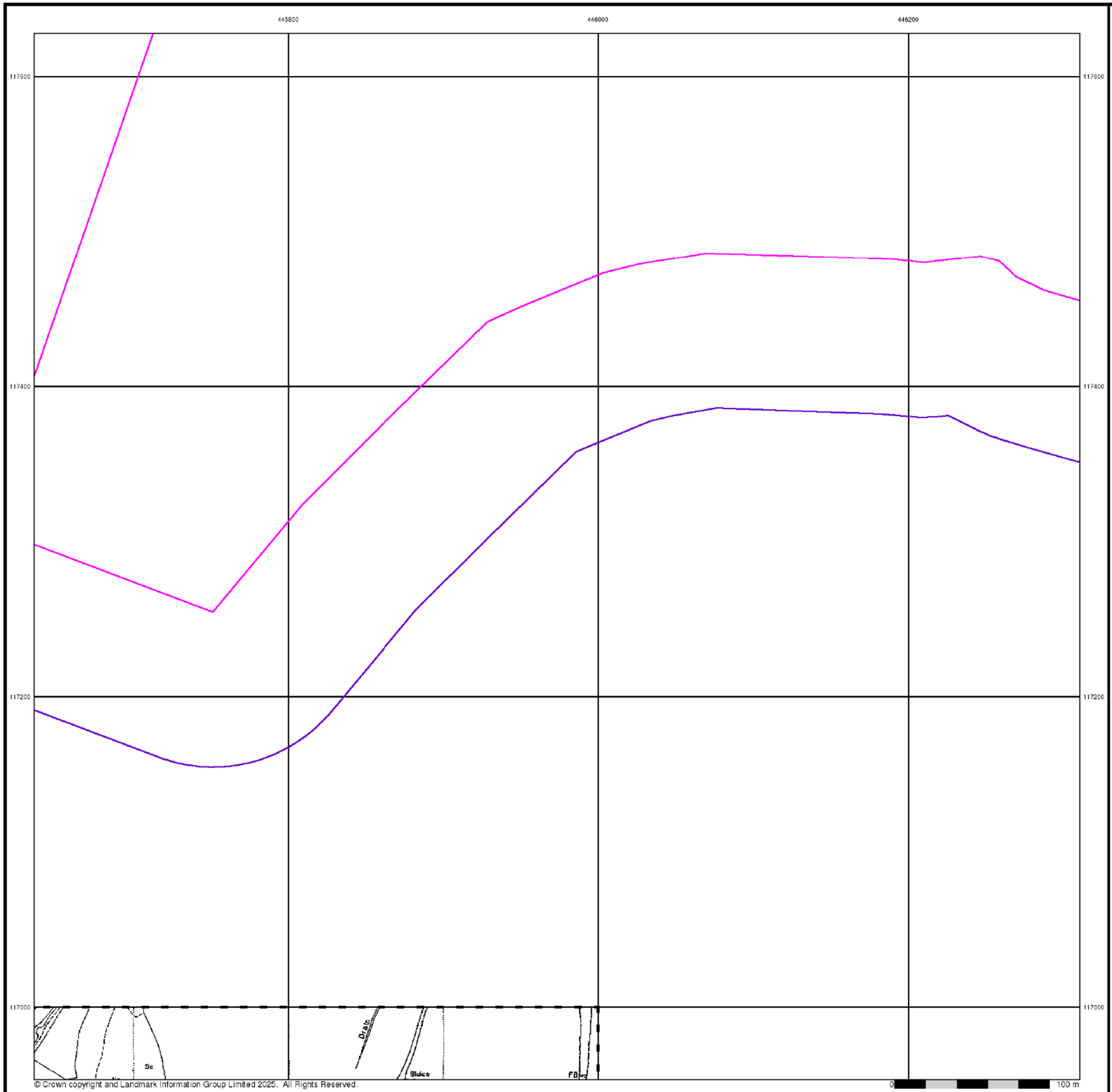

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Large-Scale National Grid Data

Published 1996

Source map scale - 1:2,500

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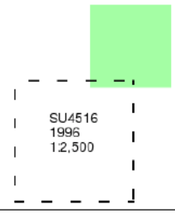
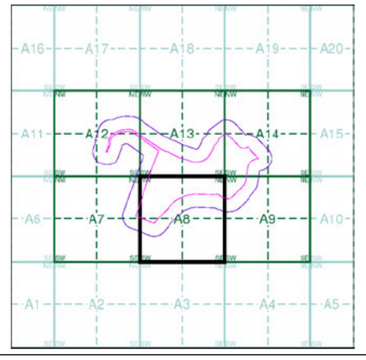
Map Name(s) and Date(s)



Historical Map - Segment A8



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
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Site Details

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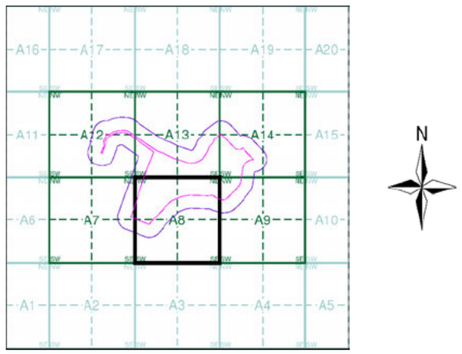
Historical Aerial Photography

Published 1999

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



Order Details

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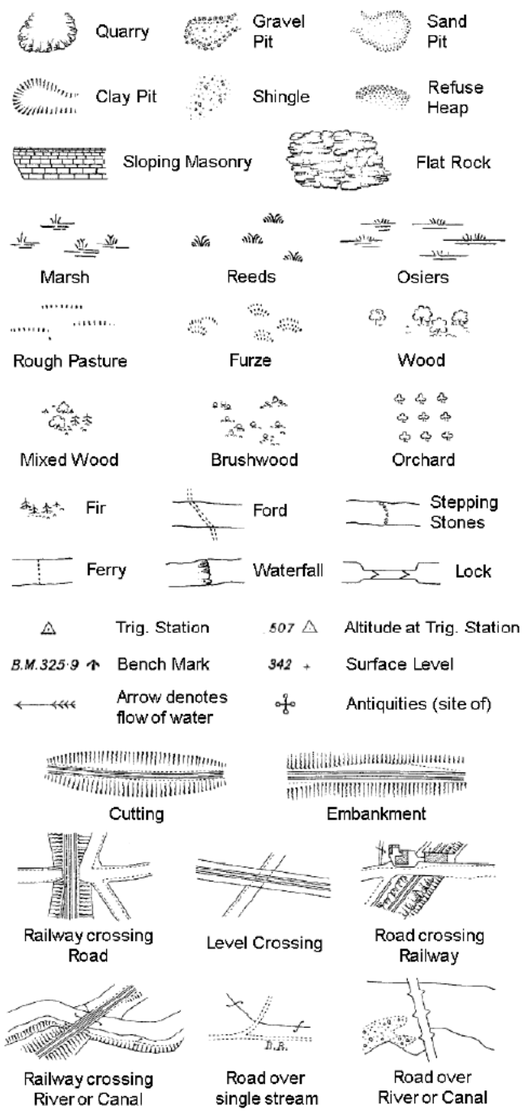
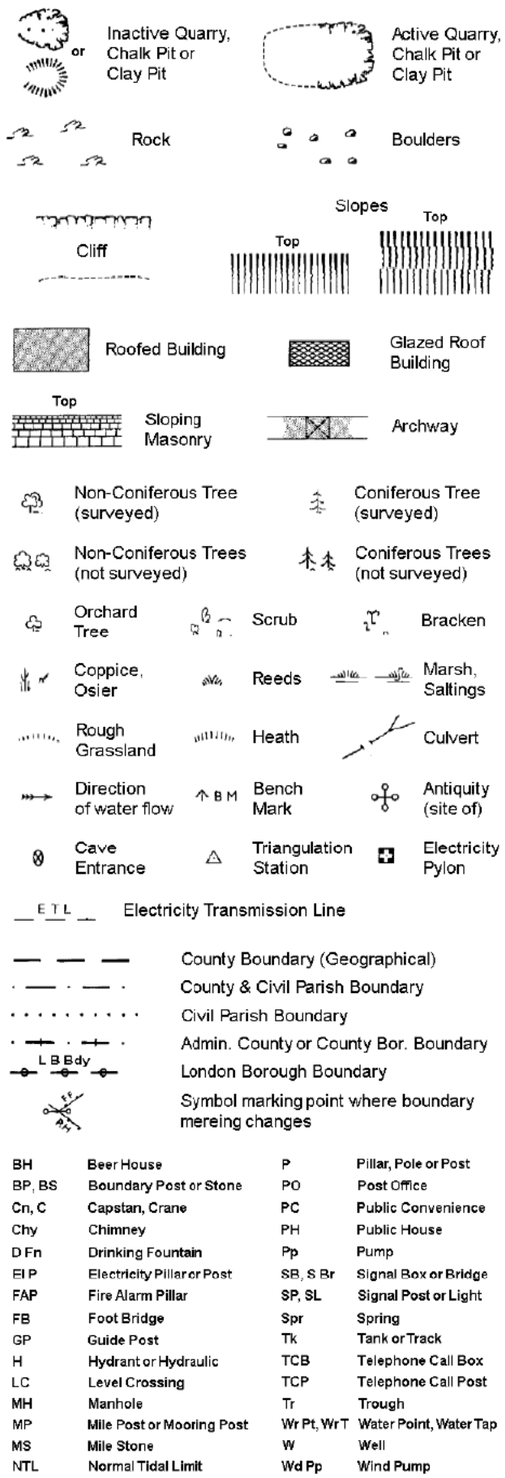
Historical Mapping Legends

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



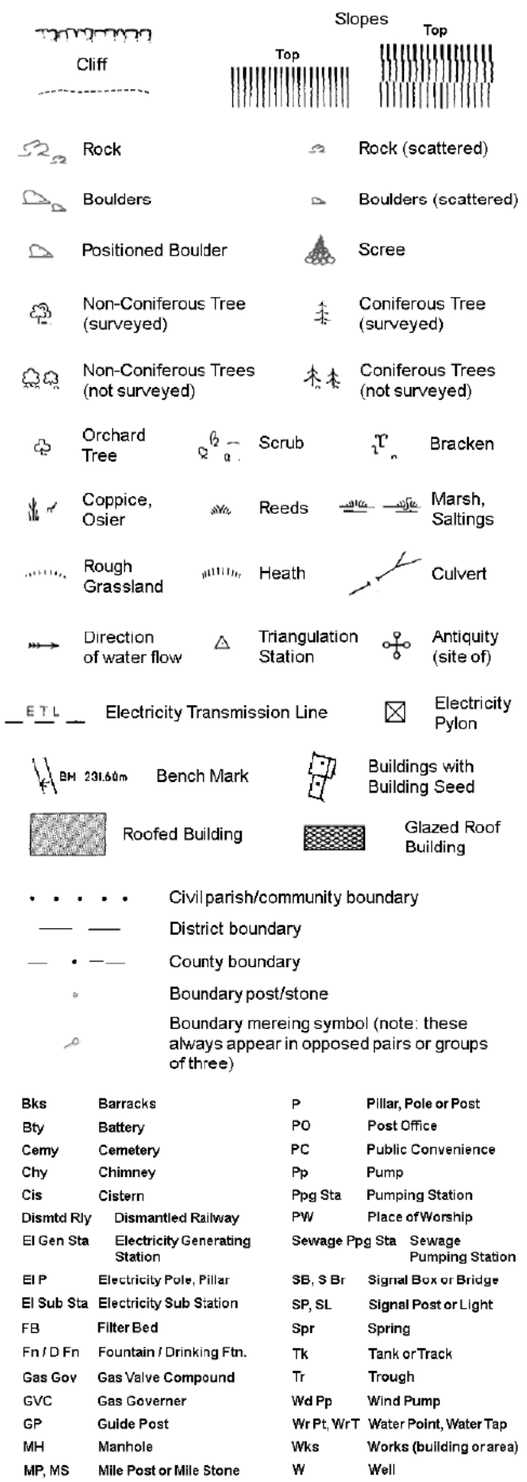
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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



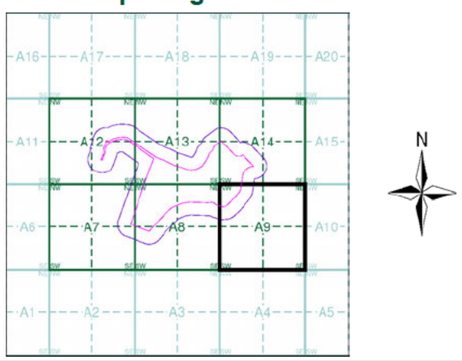
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity 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

Geo2™

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:2,500	1868	2
Hampshire & Isle Of Wight	1:2,500	1869 - 1890	3
Hampshire & Isle Of Wight	1:2,500	1896	4
Hampshire & Isle Of Wight	1:2,500	1909	5
Hampshire & Isle Of Wight	1:2,500	1941 - 1946	6
Ordnance Survey Plan	1:1,250	1951	7
Ordnance Survey Plan	1:2,500	1963	8
Ordnance Survey Plan	1:2,500	1963 - 1986	9
Ordnance Survey Plan	1:1,250	1972	10
Additional SIMs	1:1,250	1991	11
Large-Scale National Grid Data	1:2,500	1992	12
Large-Scale National Grid Data	1:1,250	1992	13
Large-Scale National Grid Data	1:2,500	1996	14
Large-Scale National Grid Data	1:1,250	1996	15
Historical Aerial Photography	1:2,500	1999	16

Historical Map - Segment A9



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

Site Details

Mitchell Way, Southampton, SO50 5QJ

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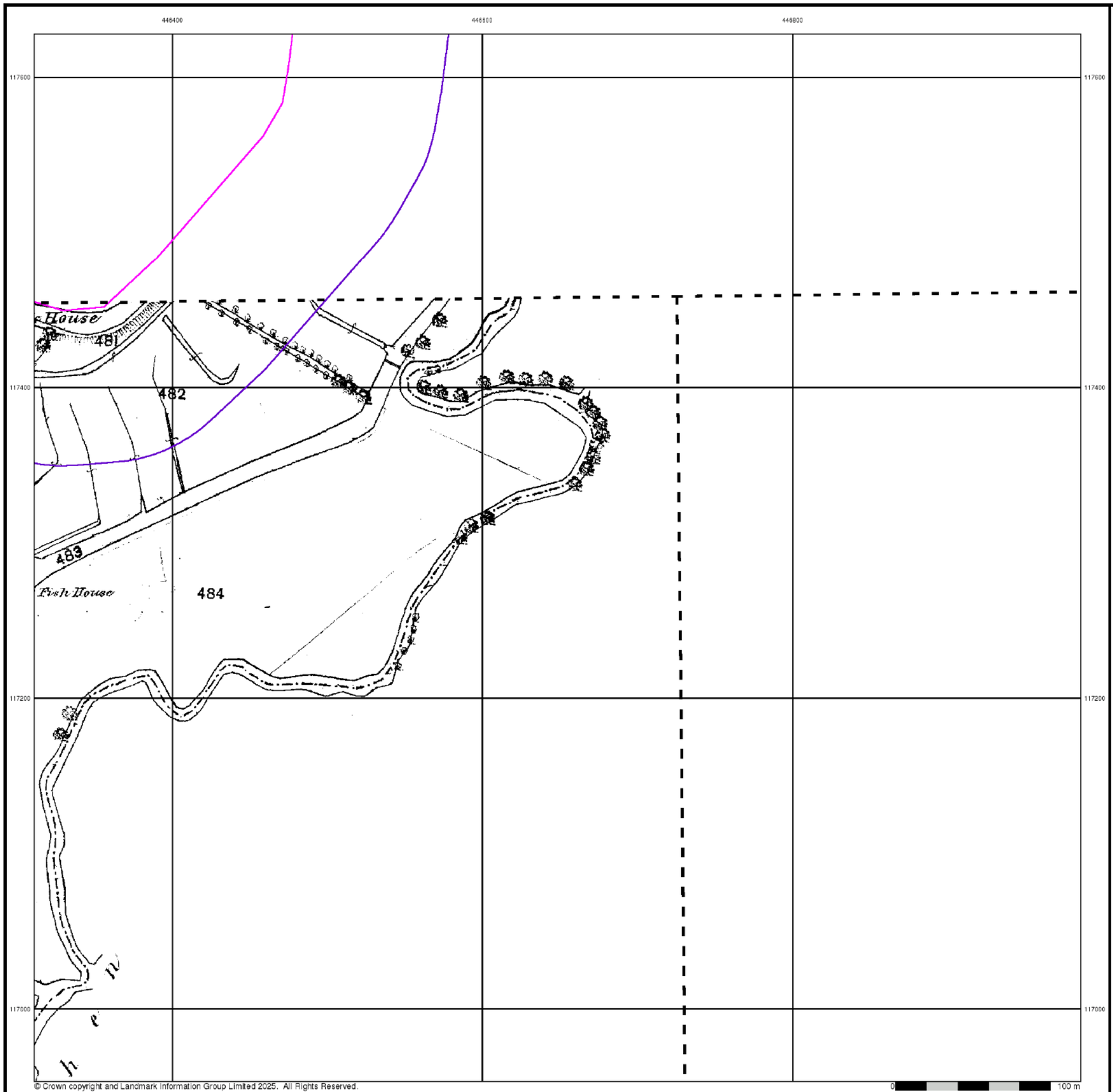

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0 100 m

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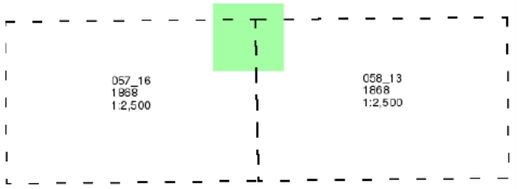
Hampshire & Isle Of Wight

Published 1868

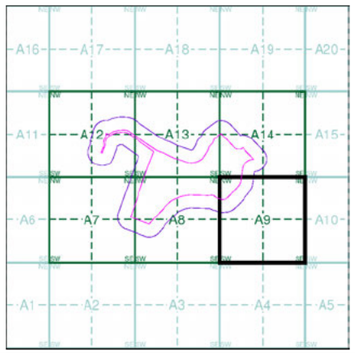
Source map scale - 1:2,500

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 A9



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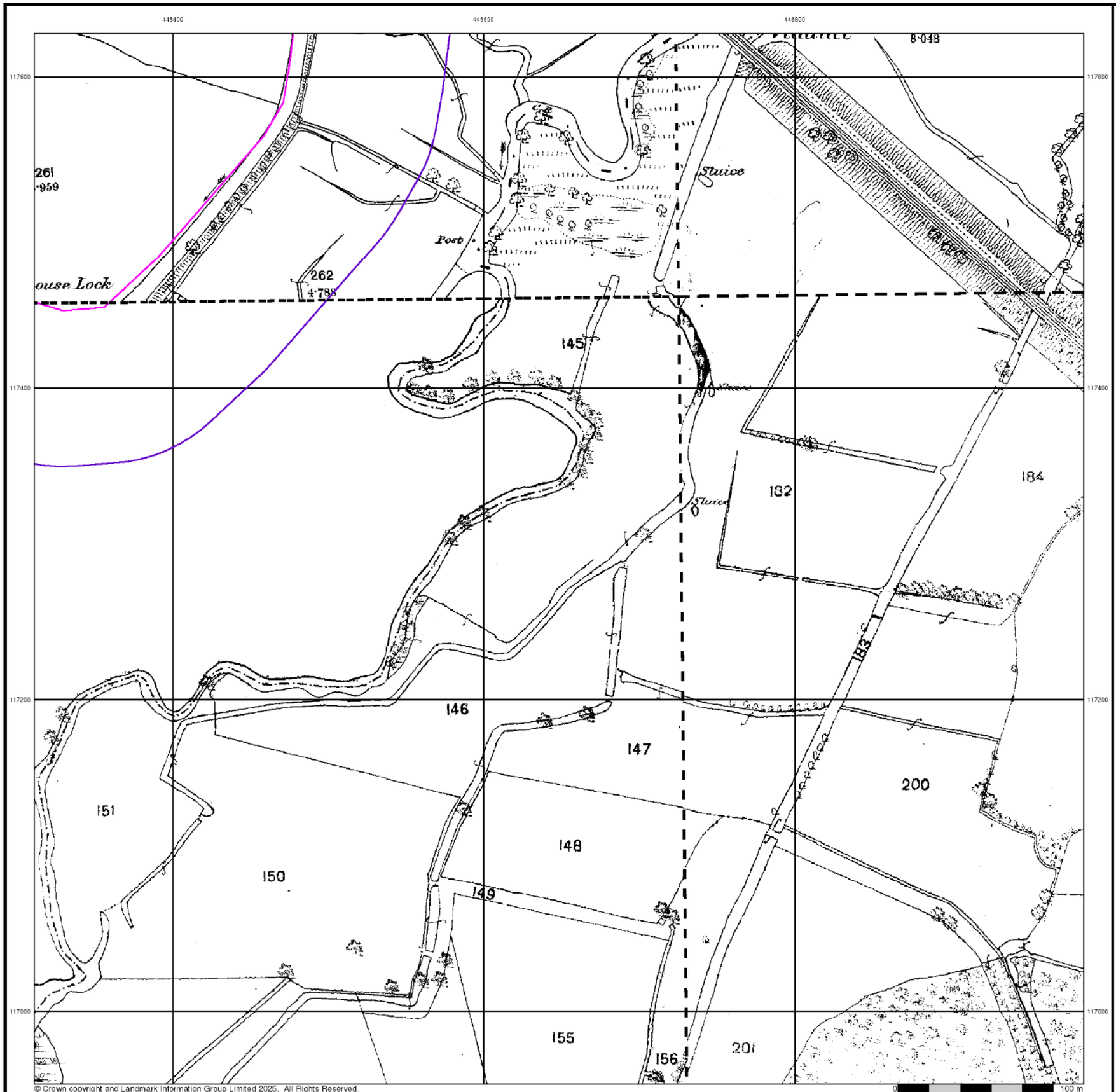

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Hampshire & Isle Of Wight

Published 1869 - 1890

Source map scale - 1:2,500

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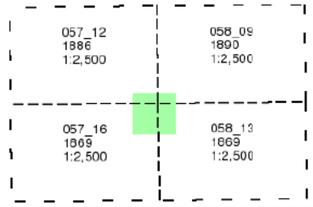
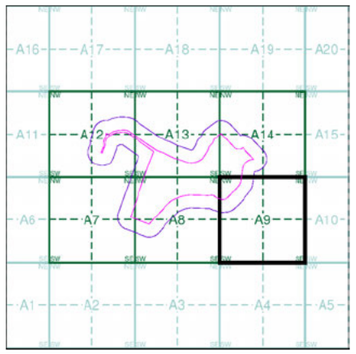


Historical Map - Segment A9



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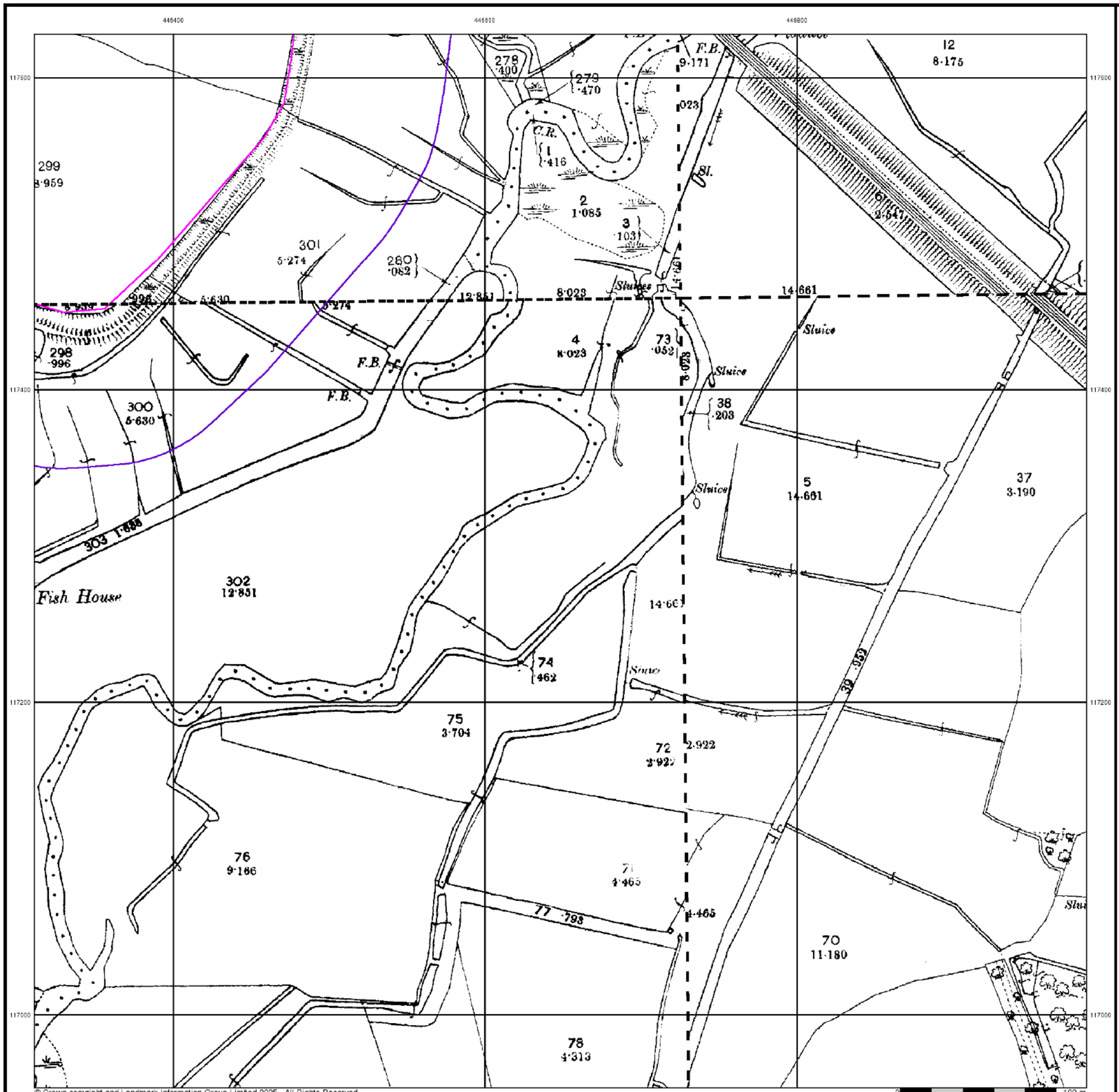

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Hampshire & Isle Of Wight

Published 1896

Source map scale - 1:2,500

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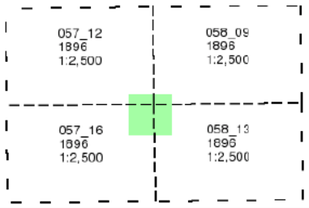
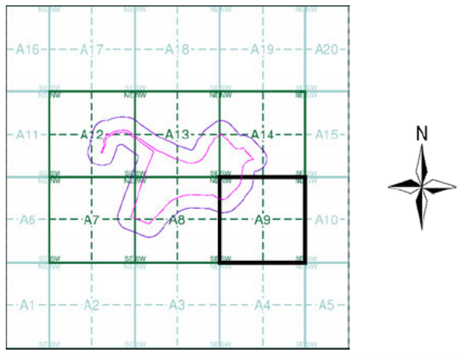


Historical Map - Segment A9



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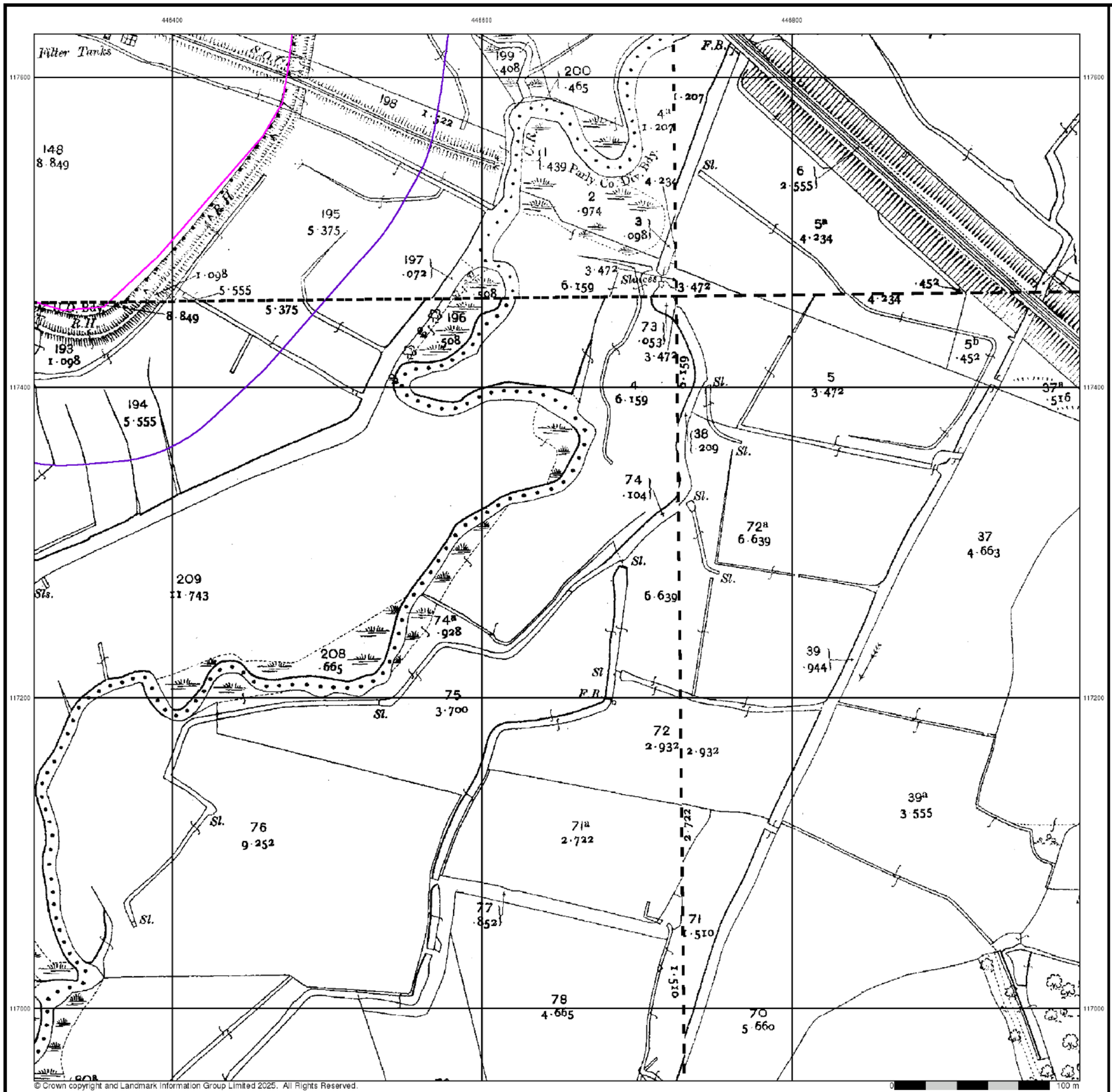

Geo2™

Hampshire & Isle Of Wight

Published 1909

Source map scale - 1:2,500

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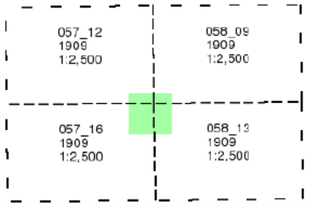
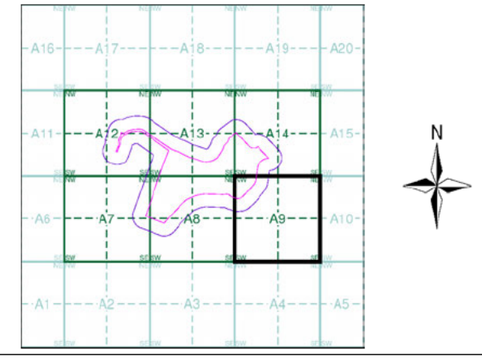
Map Name(s) and Date(s)



Historical Map - Segment A9



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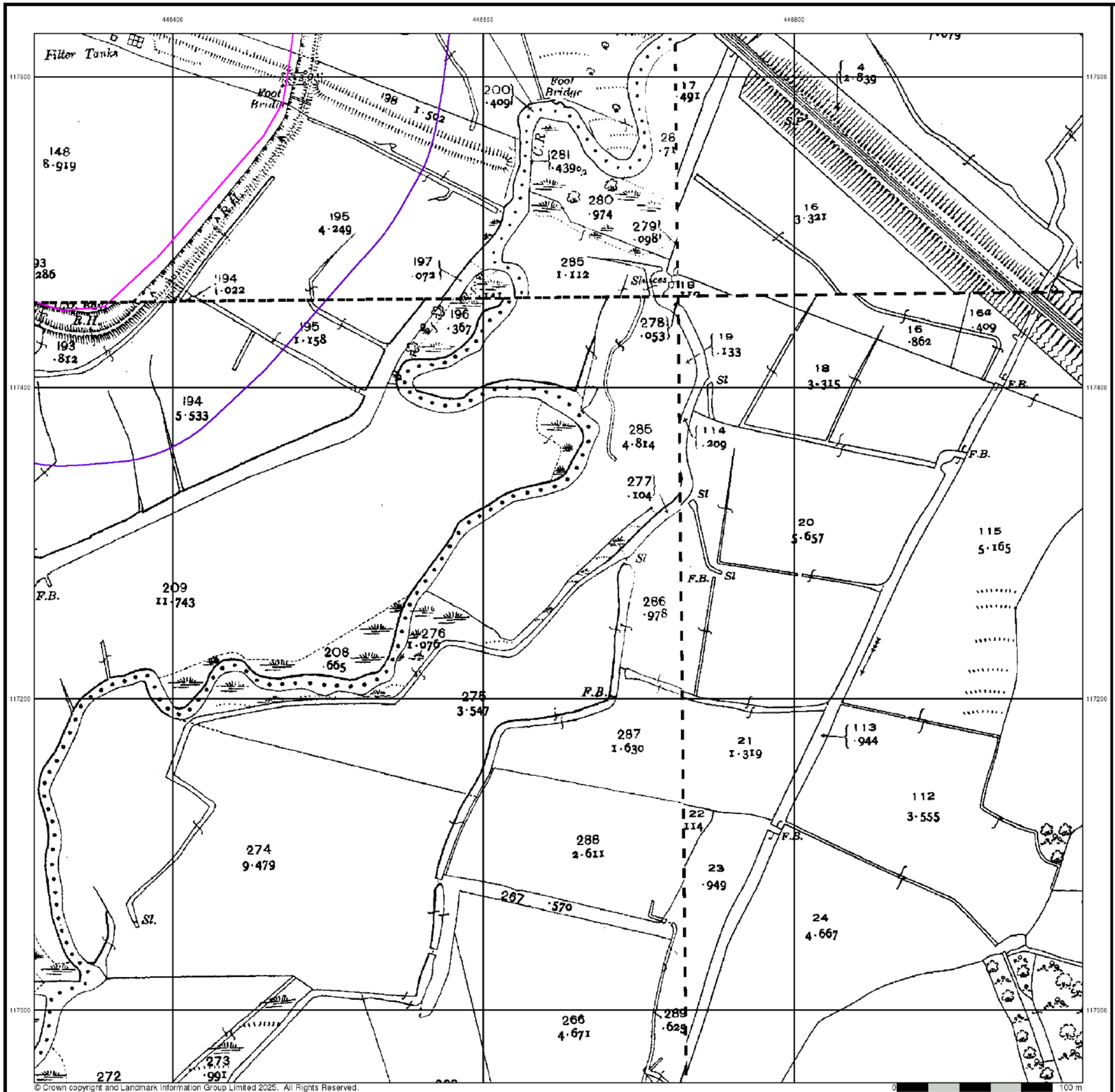

Geo2™

Hampshire & Isle Of Wight

Published 1941 - 1946

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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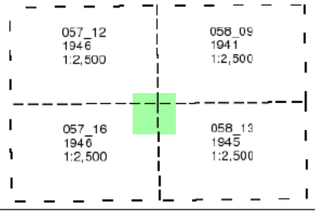
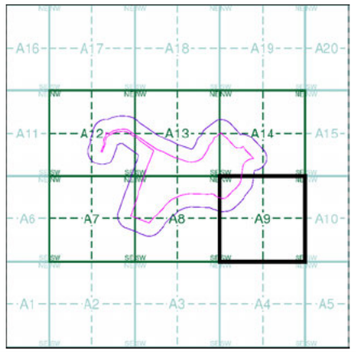


Historical Map - Segment A9



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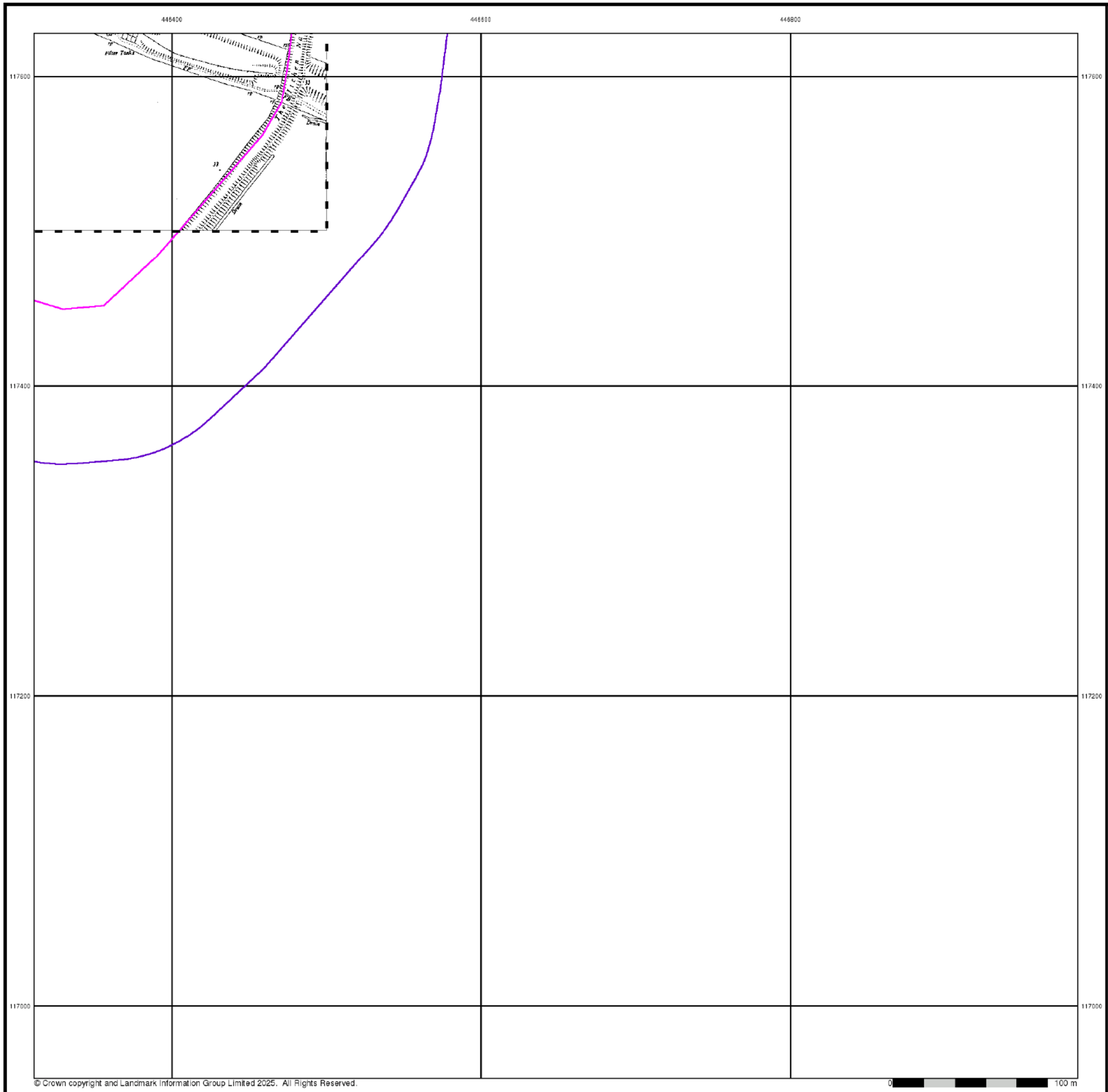


Geo2™

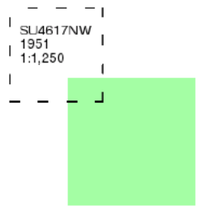
Ordnance Survey Plan

Published 1951

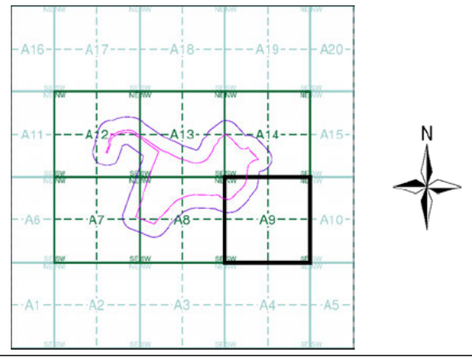
Source map scale - 1:1,250

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)



Historical Map - Segment A9



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

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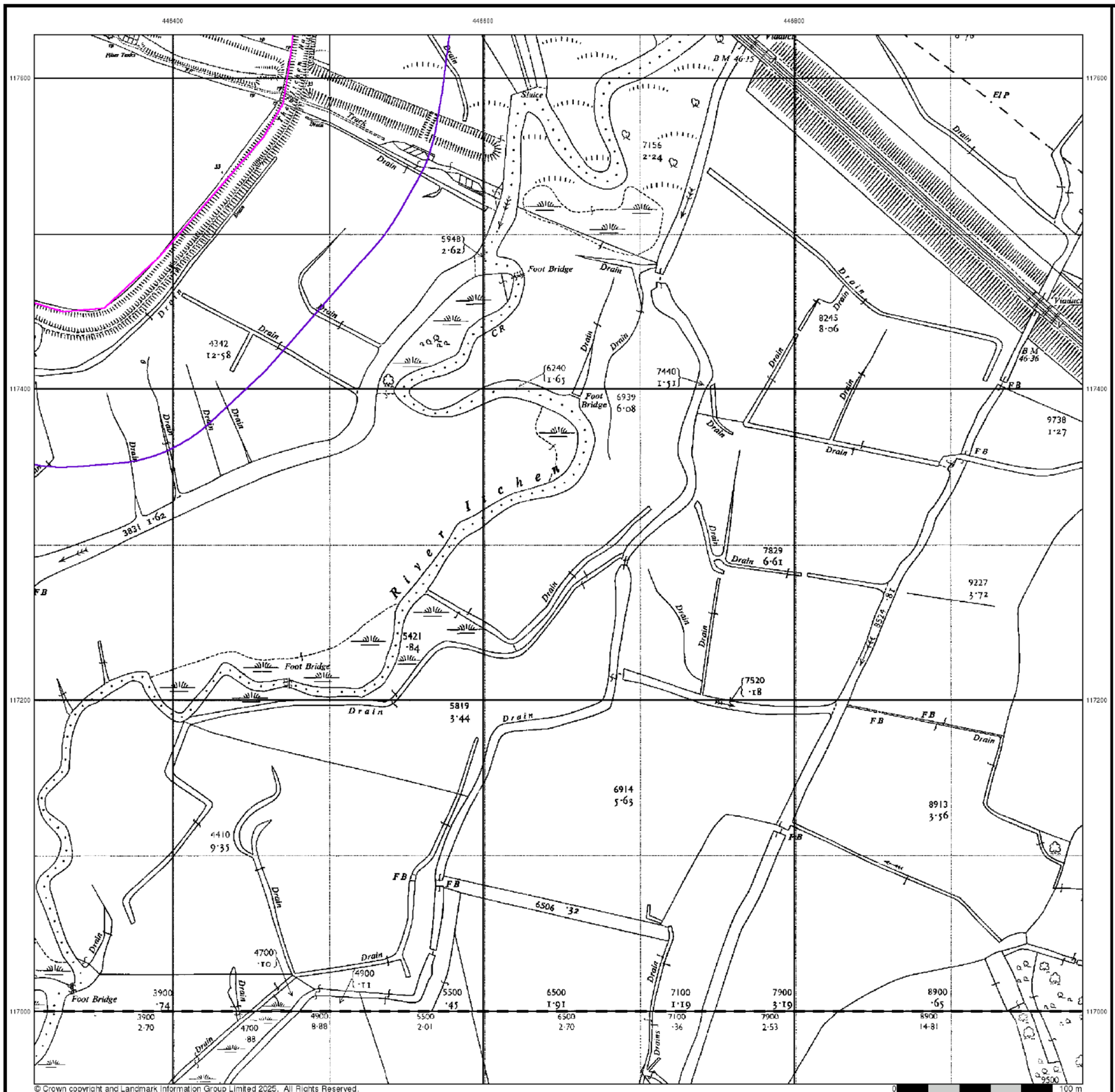


Geo2™

Ordnance Survey Plan

Published 1963

Source map scale - 1:2,500

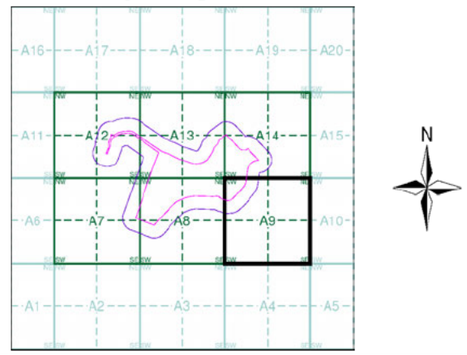
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

Map Name(s) and Date(s)

SU4617
1963
1:2,500

SU4616
1963
1:2,500

Historical Map - Segment A9



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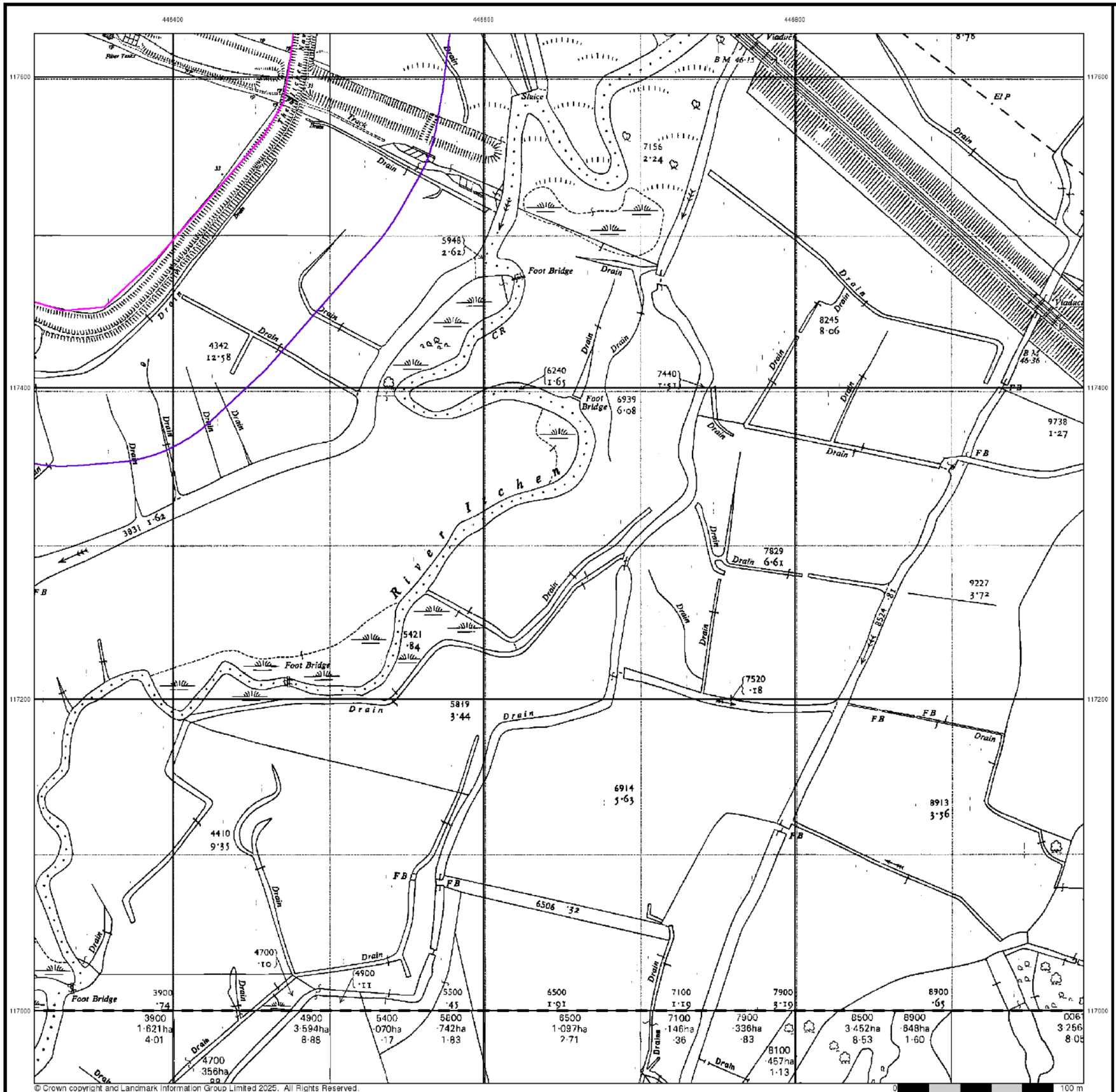

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Geo2™

Ordnance Survey Plan

Published 1963 - 1986

Source map scale - 1:2,500

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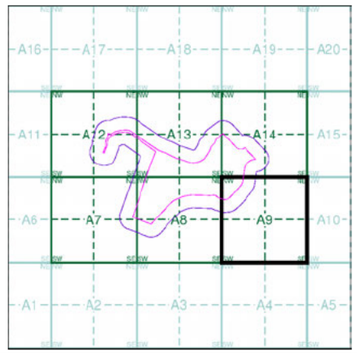
Map Name(s) and Date(s)

SU4617
1963
1:2,500

SU4616
1986
1:2,500

Historical Map - Segment A9



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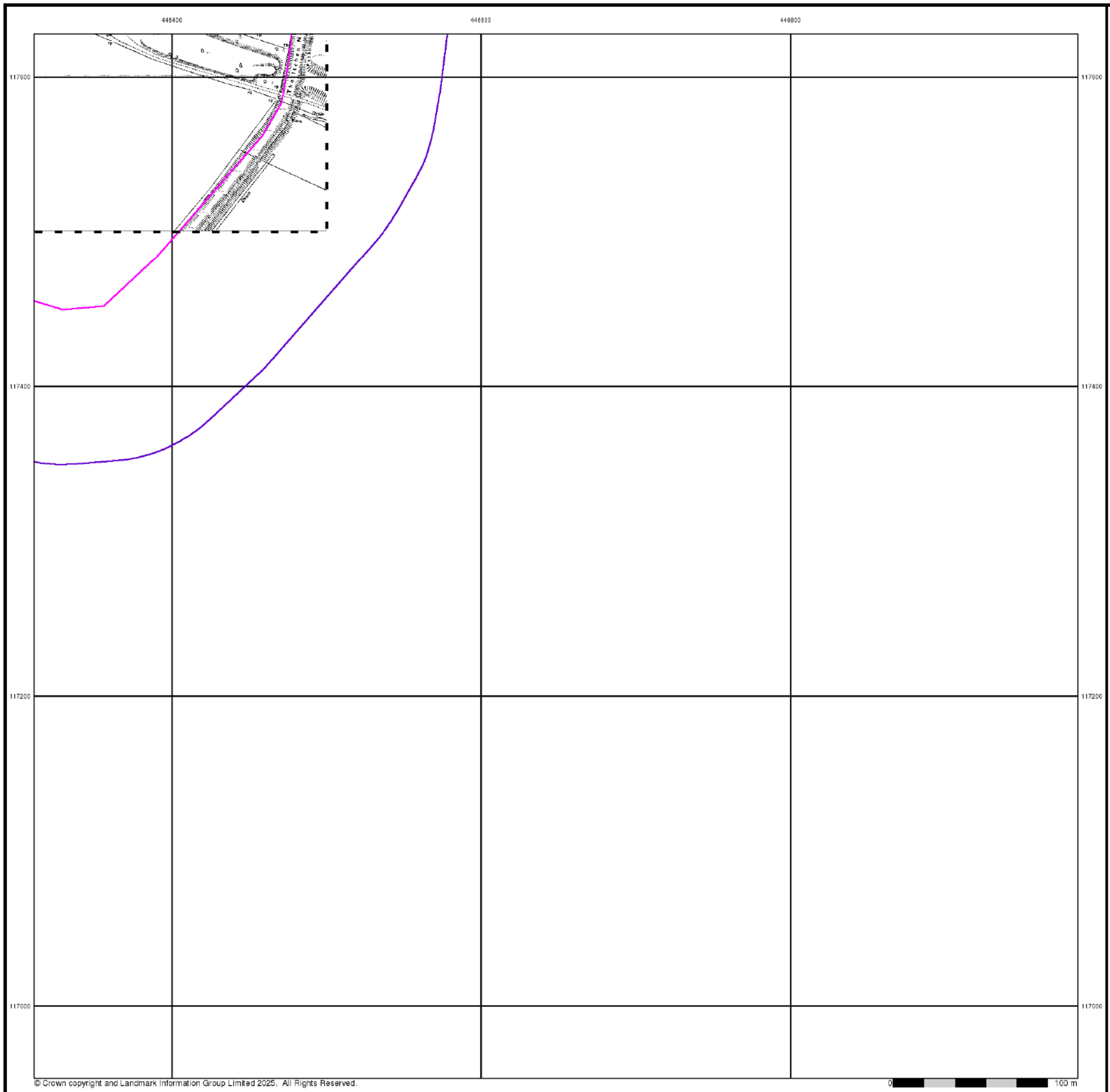

Ordnance Survey Plan

Published 1972

Source map scale - 1:1,250

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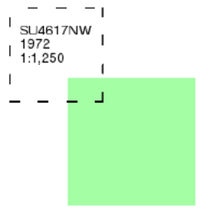
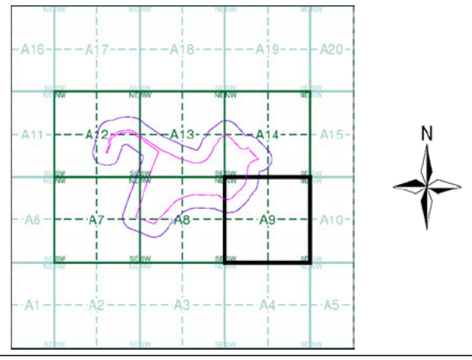


Historical Map - Segment A9



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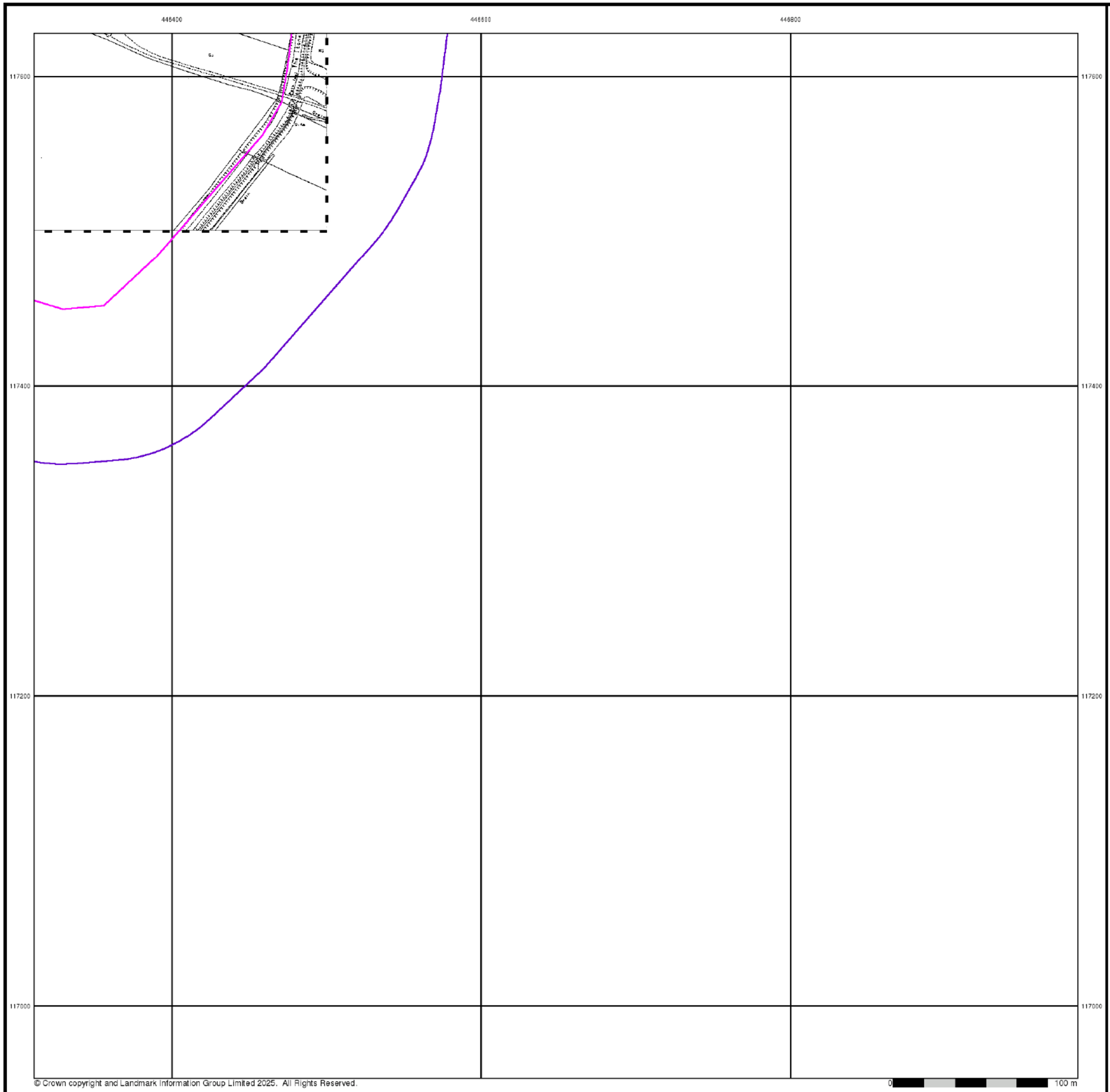


Geo2™

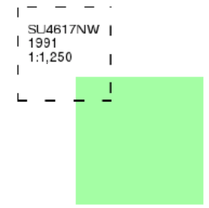
Additional SIMs

Published 1991

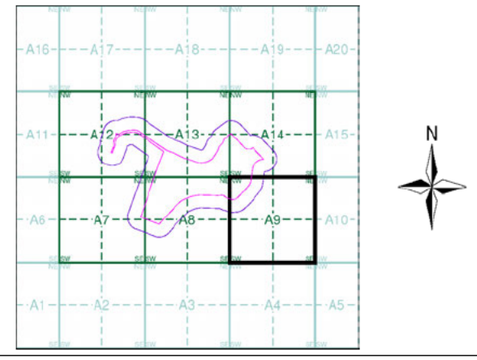
Source map scale - 1:1,250

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)



Historical Map - Segment A9



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

Site Details

Mitchell Way, Southampton, SO50 5QJ

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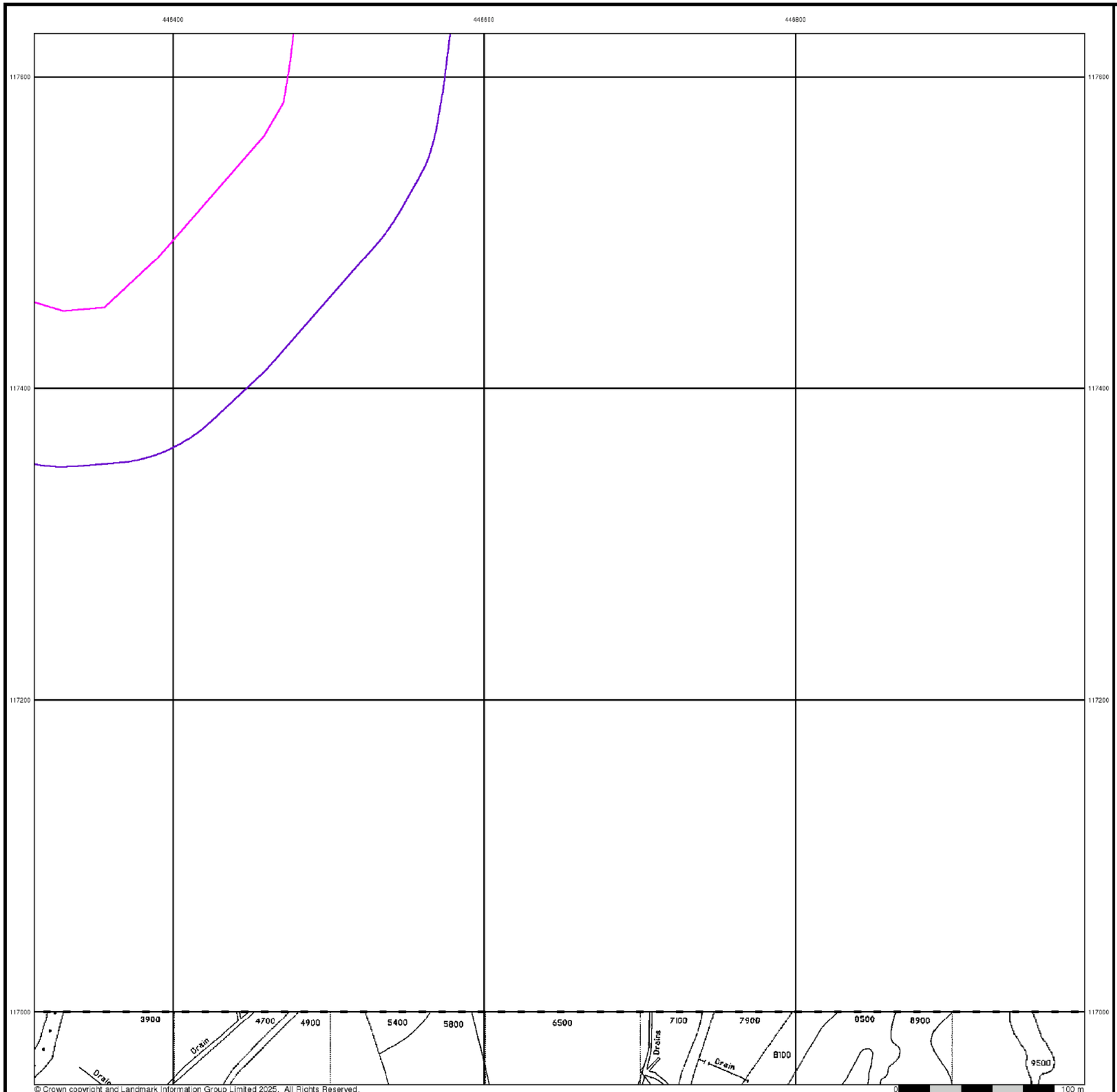

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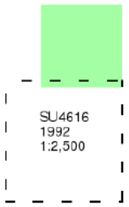
Large-Scale National Grid Data

Published 1992

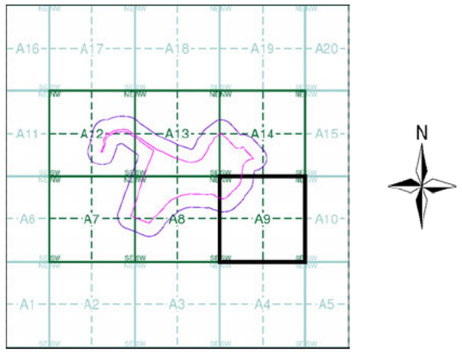
Source map scale - 1:2,500

'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 A9



Order Details

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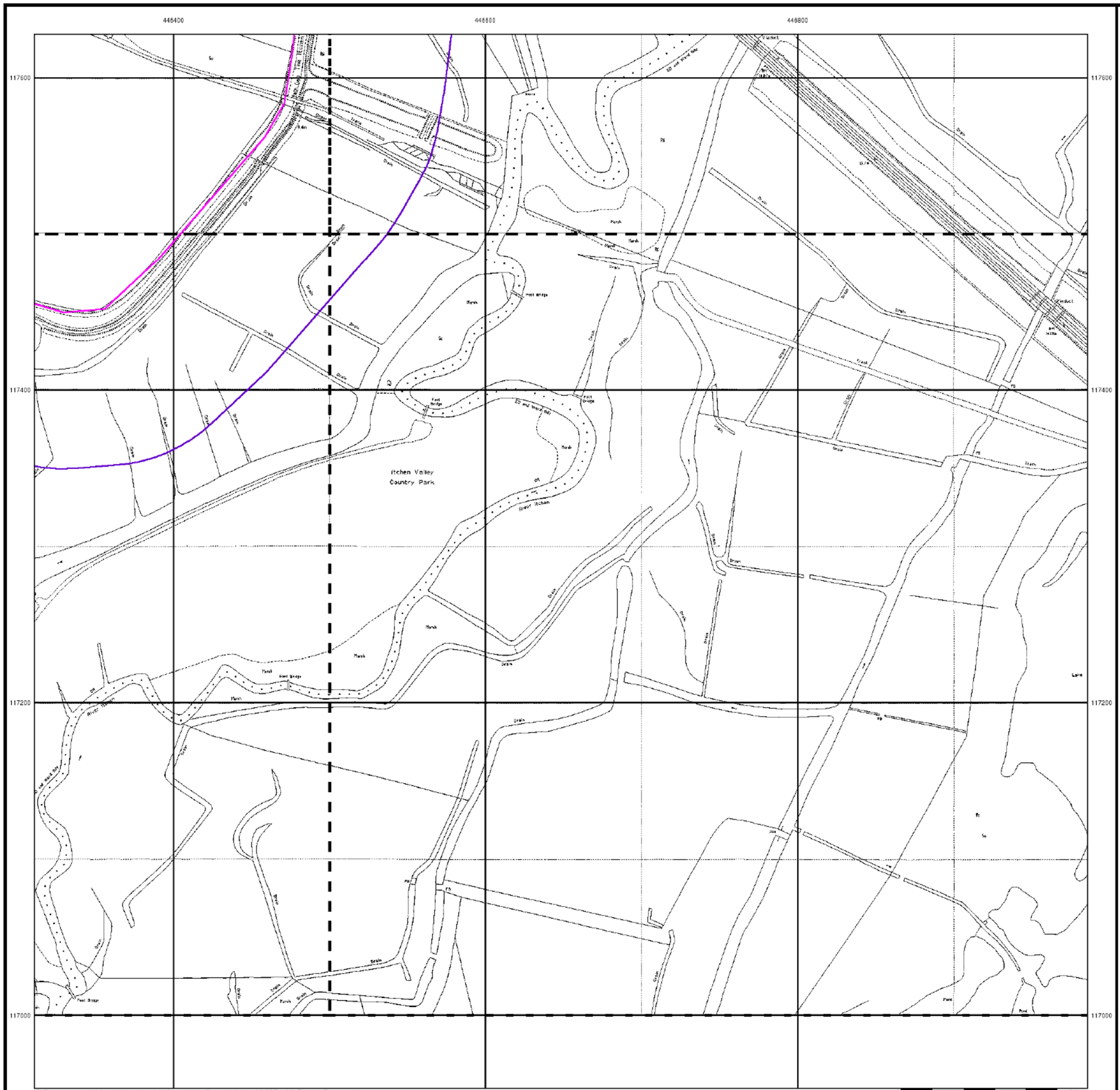

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Geo2™

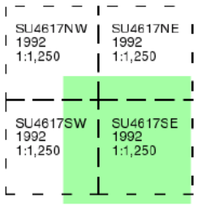
Large-Scale National Grid Data

Published 1992

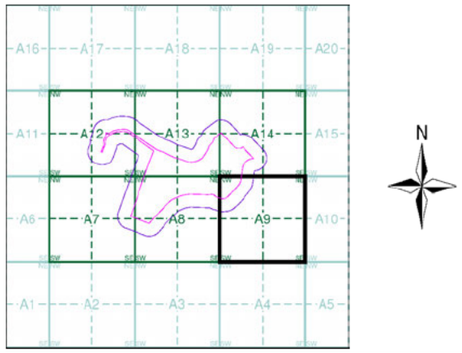
Source map scale - 1:1,250

'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 A9



Order Details

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Site Area (Ha):	32.62
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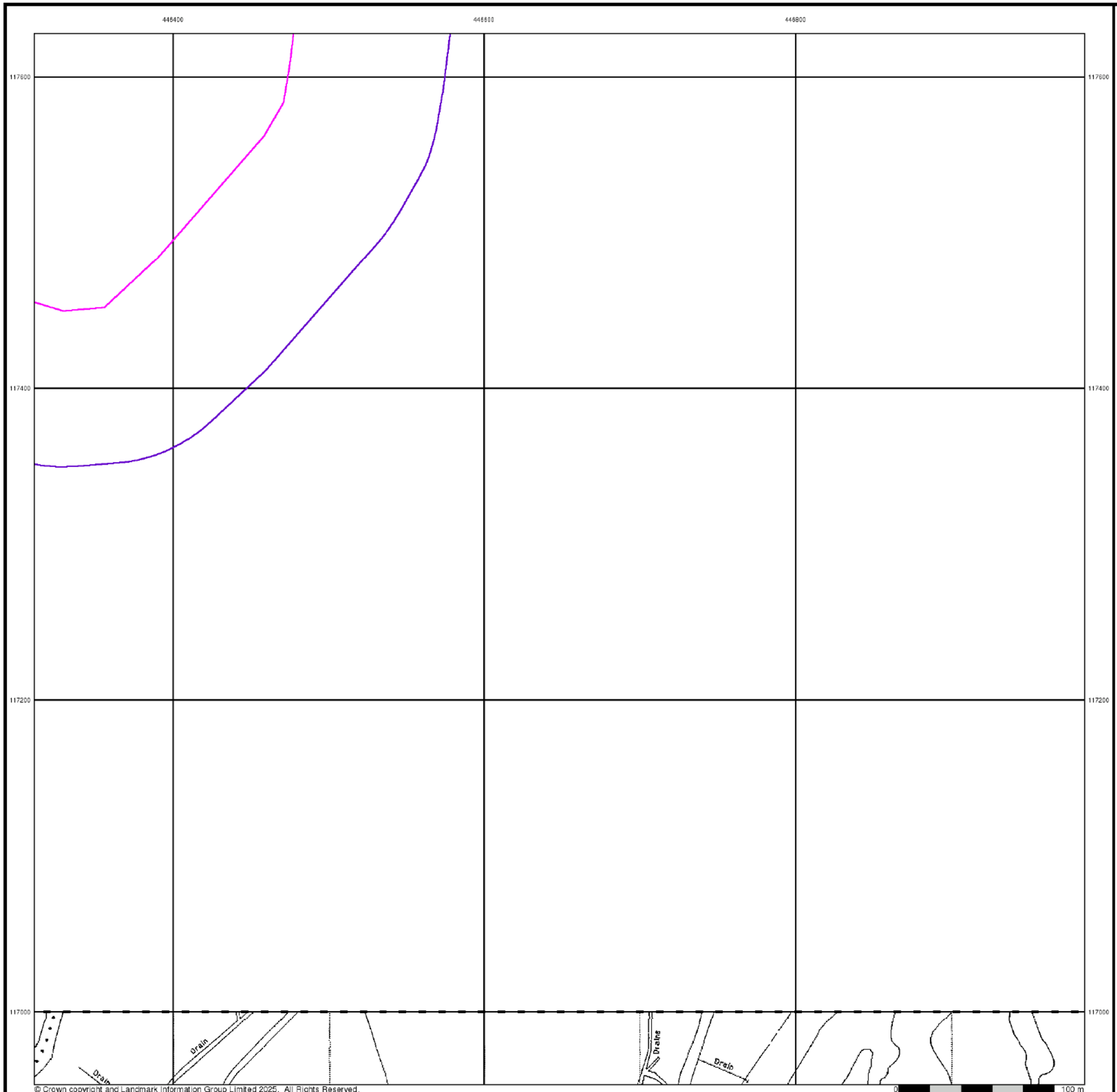

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Geo2™

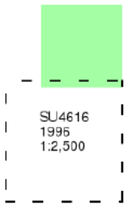
Large-Scale National Grid Data

Published 1996

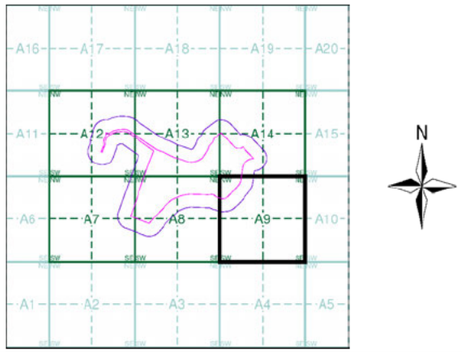
Source map scale - 1:2,500

'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 A9



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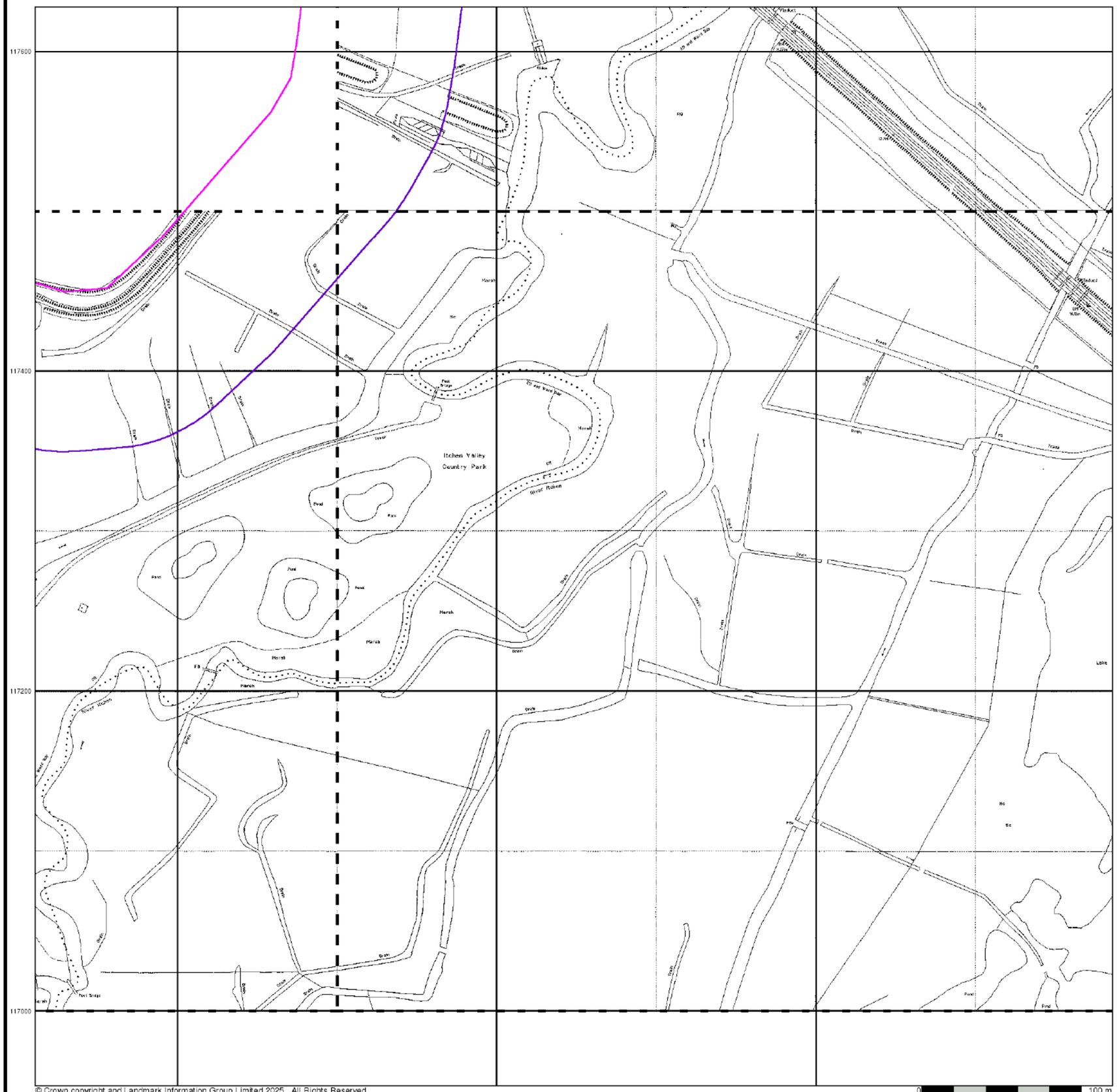

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0 100 m

Geo2™

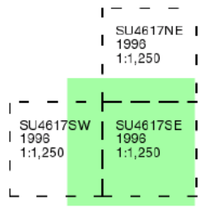
Large-Scale National Grid Data

Published 1996

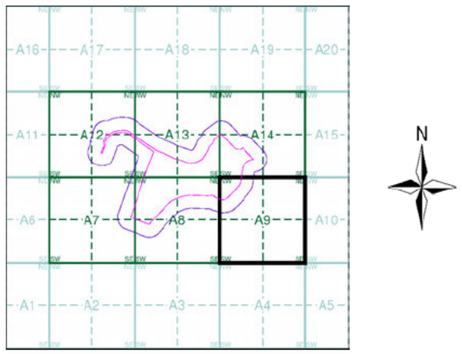
Source map scale - 1:1,250

'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 A9



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

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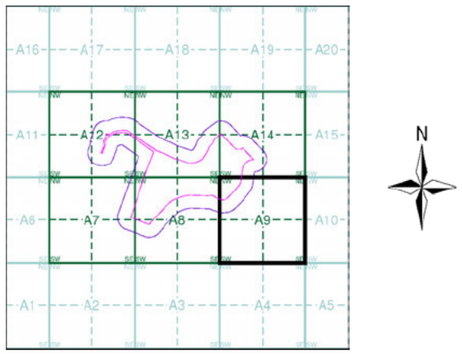
Historical Aerial Photography

Published 1999

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 A9



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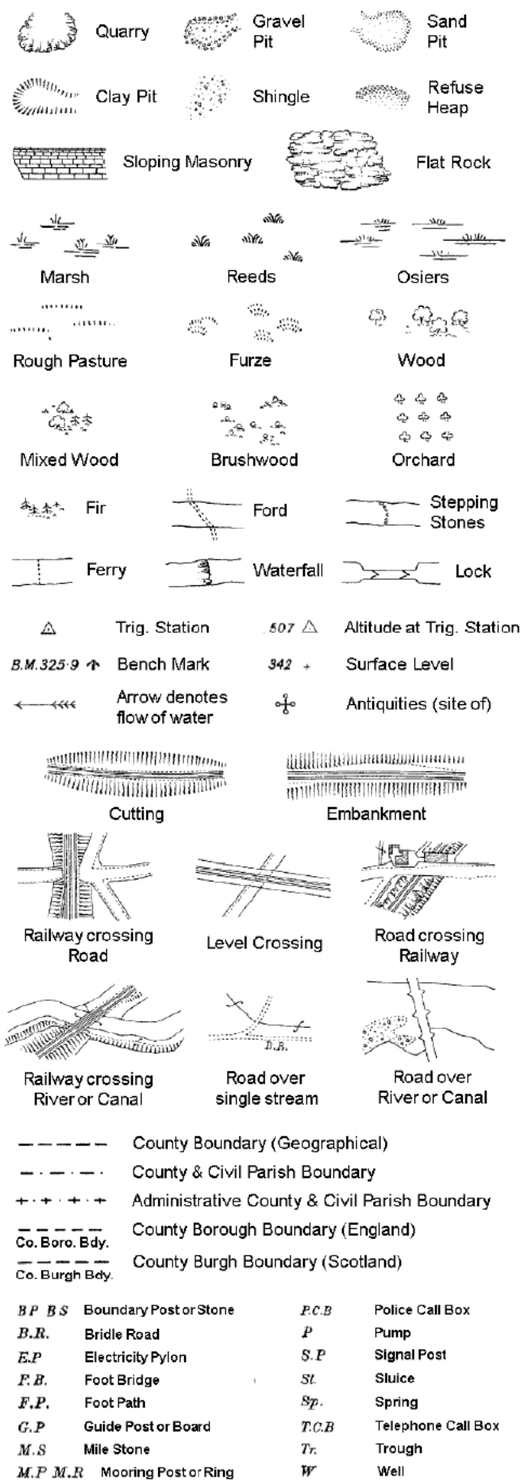
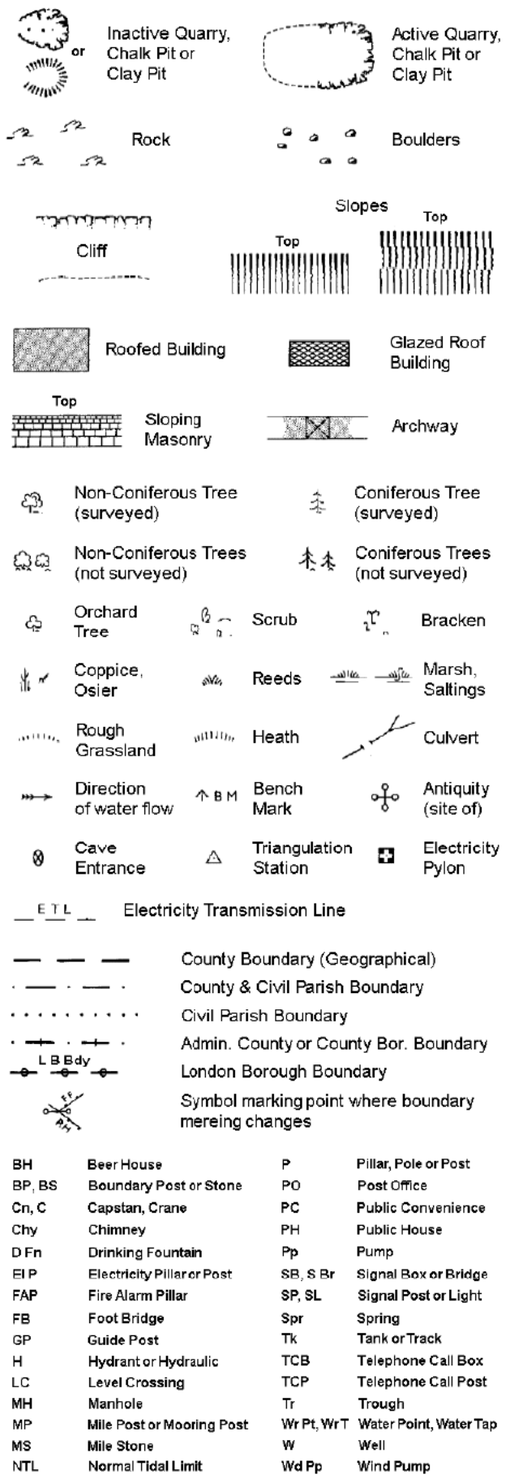
Historical Mapping Legends

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



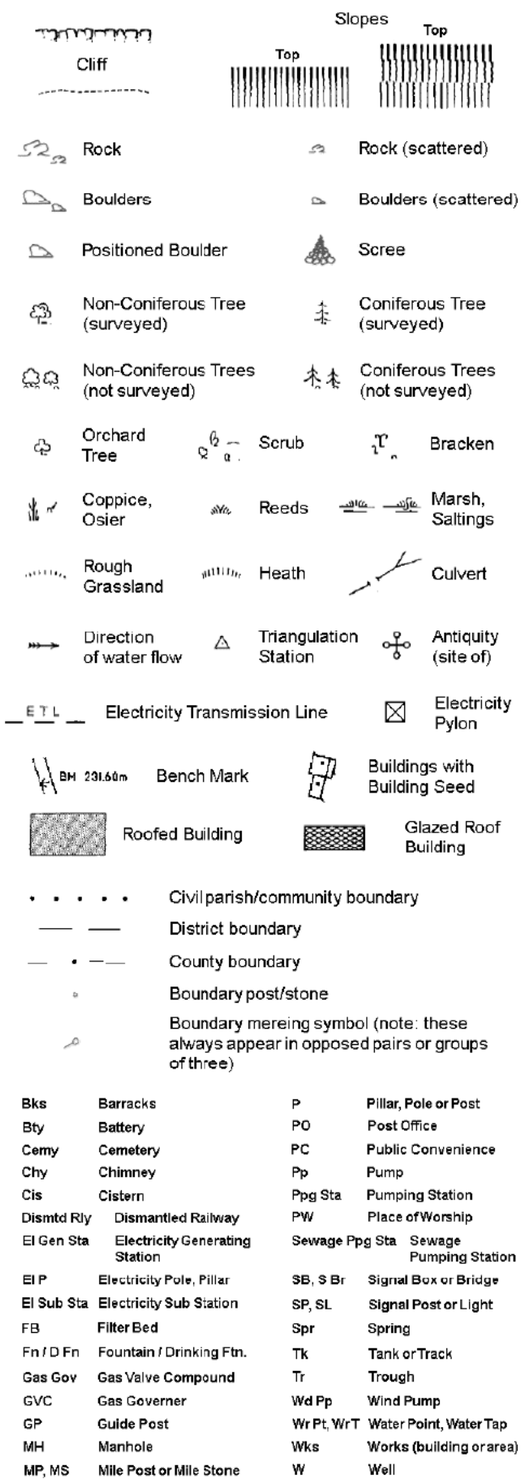
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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



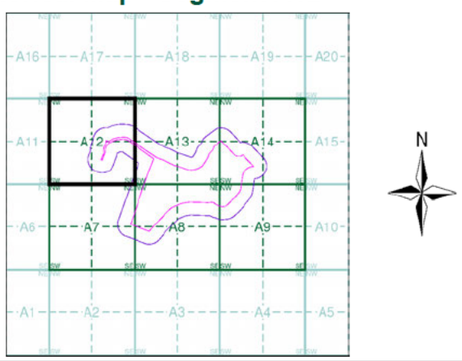
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity 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

Geo2™

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:2,500	1886	2
Hampshire & Isle Of Wight	1:2,500	1896	3
Hampshire & Isle Of Wight	1:2,500	1909	4
Hampshire & Isle Of Wight	1:2,500	1946	5
Ordnance Survey Plan	1:2,500	1951 - 1952	6
Ordnance Survey Plan	1:1,250	1951	7
Additional SIMs	1:1,250	1951 - 1991	8
Ordnance Survey Plan	1:1,250	1953 - 1972	9
Ordnance Survey Plan	1:2,500	1954 - 1968	10
Ordnance Survey Plan	1:1,250	1958 - 1989	11
Ordnance Survey Plan	1:1,250	1967	12
Ordnance Survey Plan	1:2,500	1968	13
Additional SIMs	1:1,250	1986	14
Large-Scale National Grid Data	1:1,250	1992	15
Large-Scale National Grid Data	1:1,250	1993 - 1995	16
Historical Aerial Photography	1:2,500	1999	17

Historical Map - Segment A12



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

Site Details

Mitchell Way, Southampton, SO50 5QJ

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Geo2™

Hampshire & Isle Of Wight

Published 1886

Source map scale - 1:2,500

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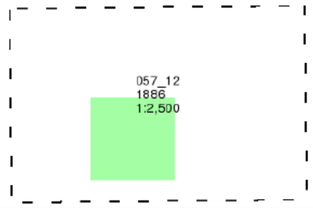
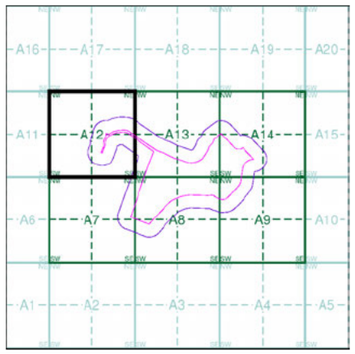
Map Name(s) and Date(s)



Historical Map - Segment A12



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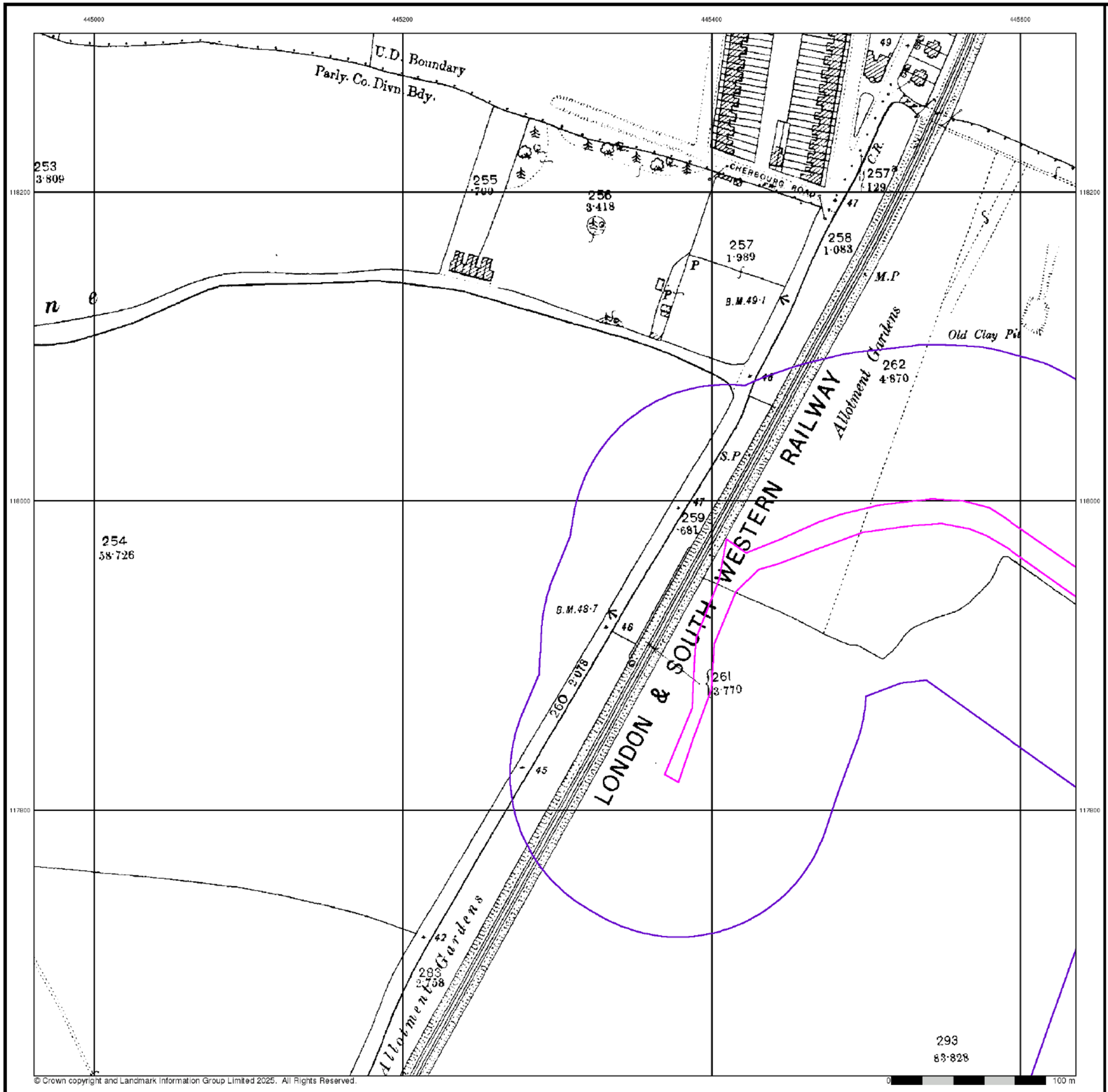

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Hampshire & Isle Of Wight

Published 1896

Source map scale - 1:2,500

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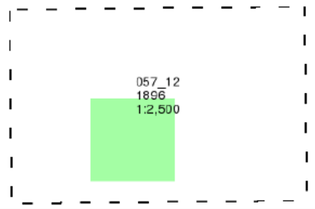
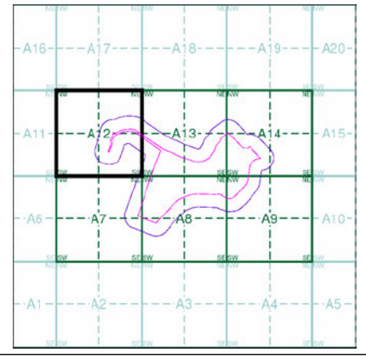
Map Name(s) and Date(s)



Historical Map - Segment A12



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Hampshire & Isle Of Wight

Published 1909

Source map scale - 1:2,500

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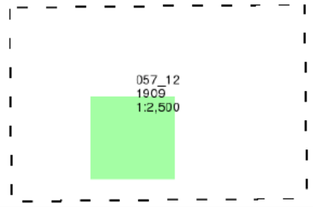
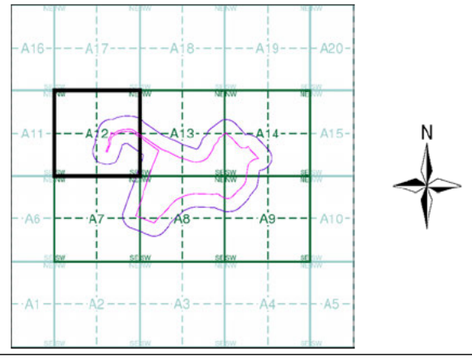


Historical Map - Segment A12



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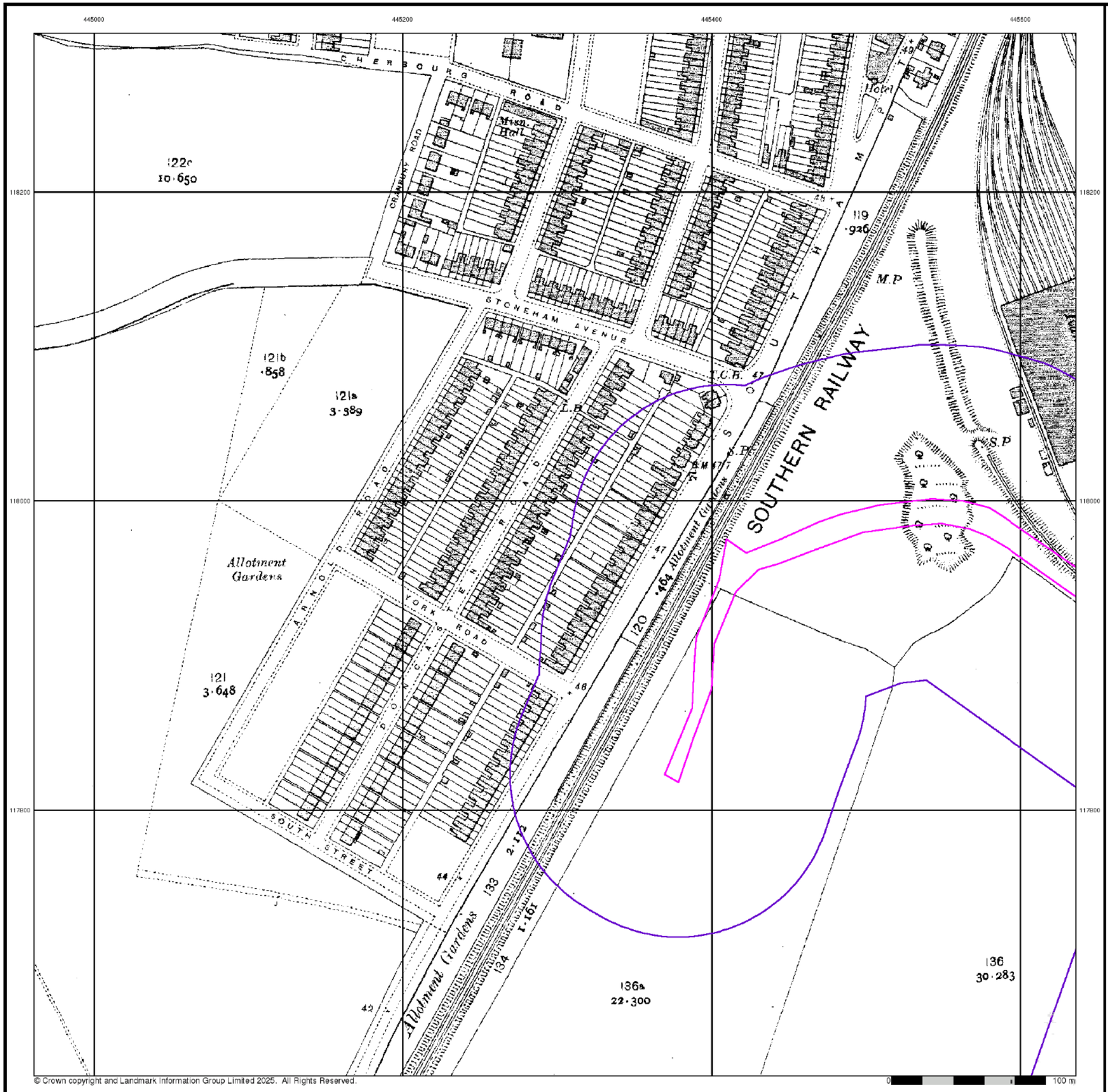

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Hampshire & Isle Of Wight

Published 1946

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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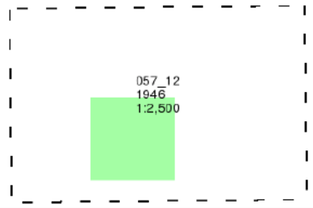
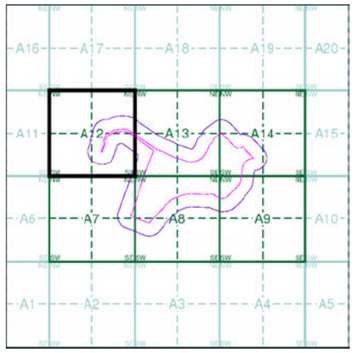


Historical Map - Segment A12



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

Site Details

Mitchell Way, Southampton, SO50 5QJ

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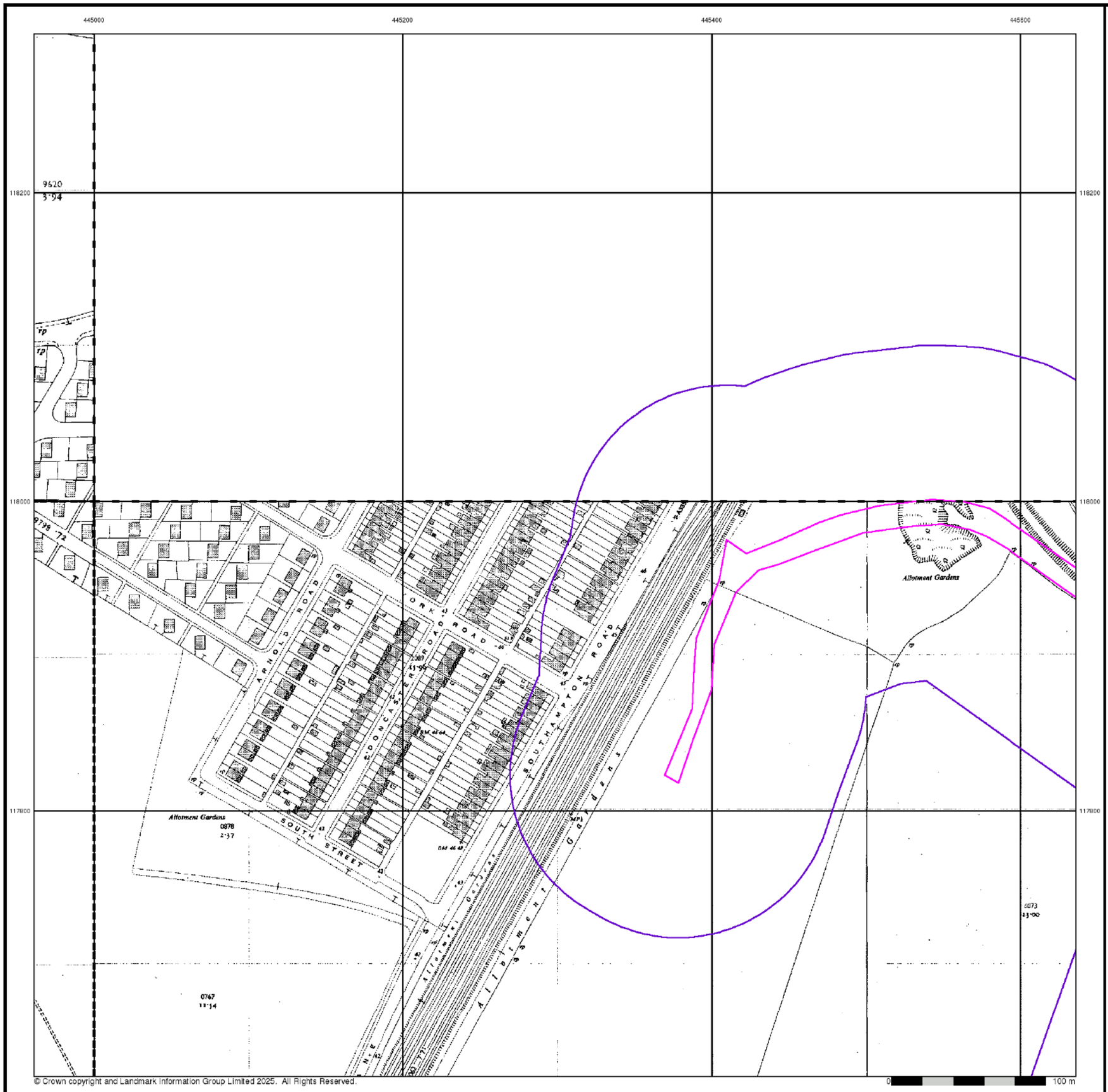

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Geo2™

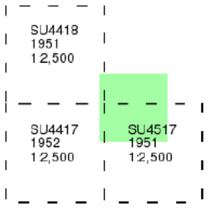
Ordnance Survey Plan

Published 1951 - 1952

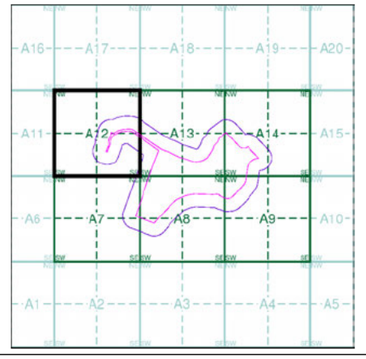
Source map scale - 1:2,500

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:	366723883_1_1
Customer Ref:	4362
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Slice:	A
Site Area (Ha):	32.62
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Site Details

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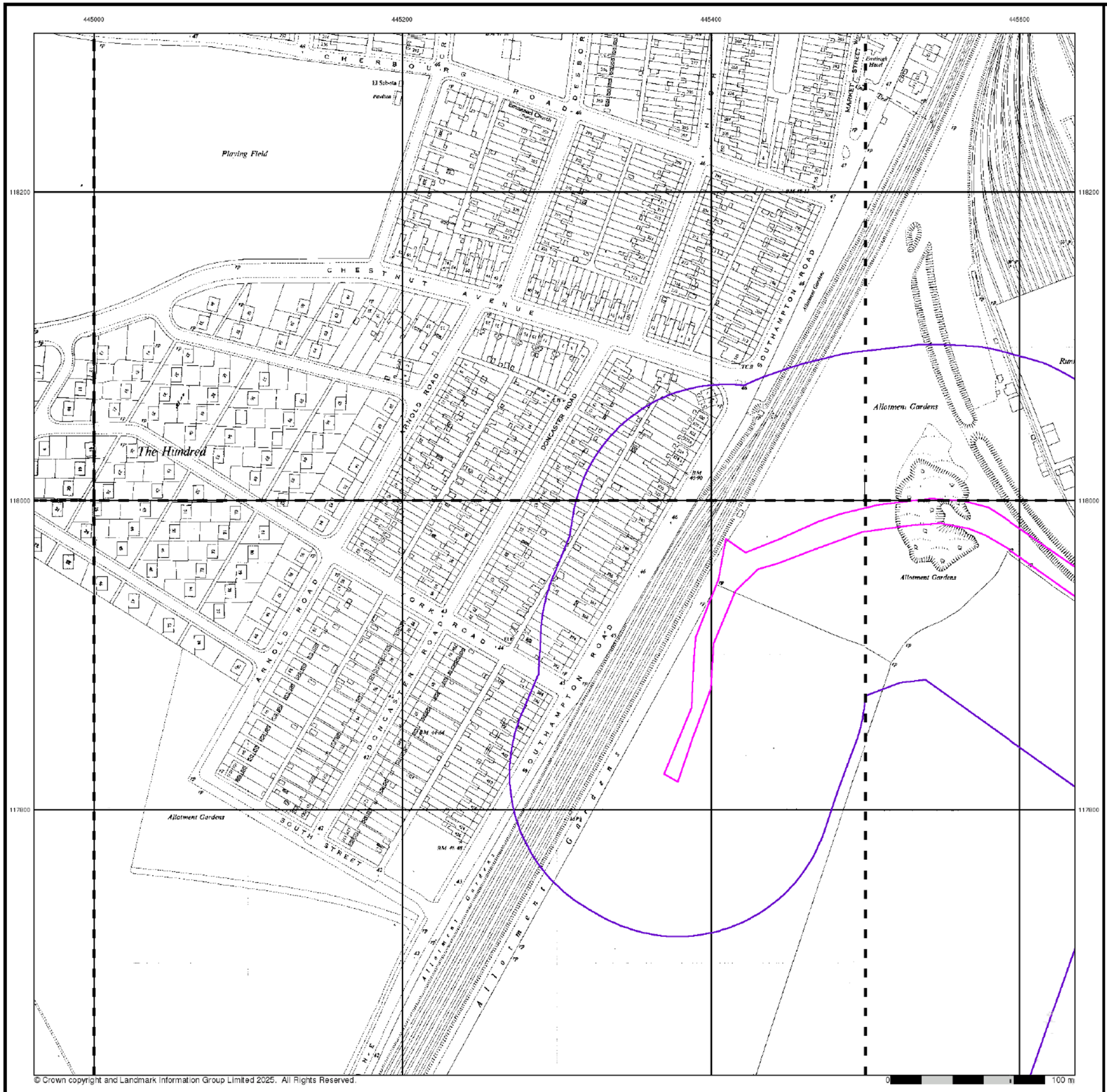

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Geo2™

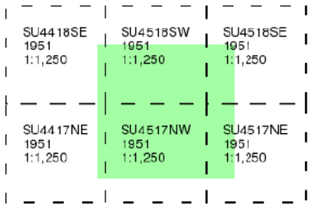
Ordnance Survey Plan

Published 1951

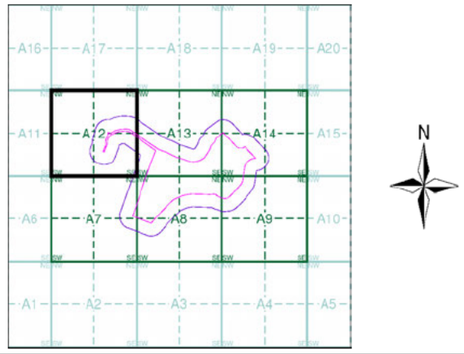
Source map scale - 1:1,250

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)



Historical Map - Segment A12



Order Details

Order Number:	366723883_1_1
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Site Area (Ha):	32.62
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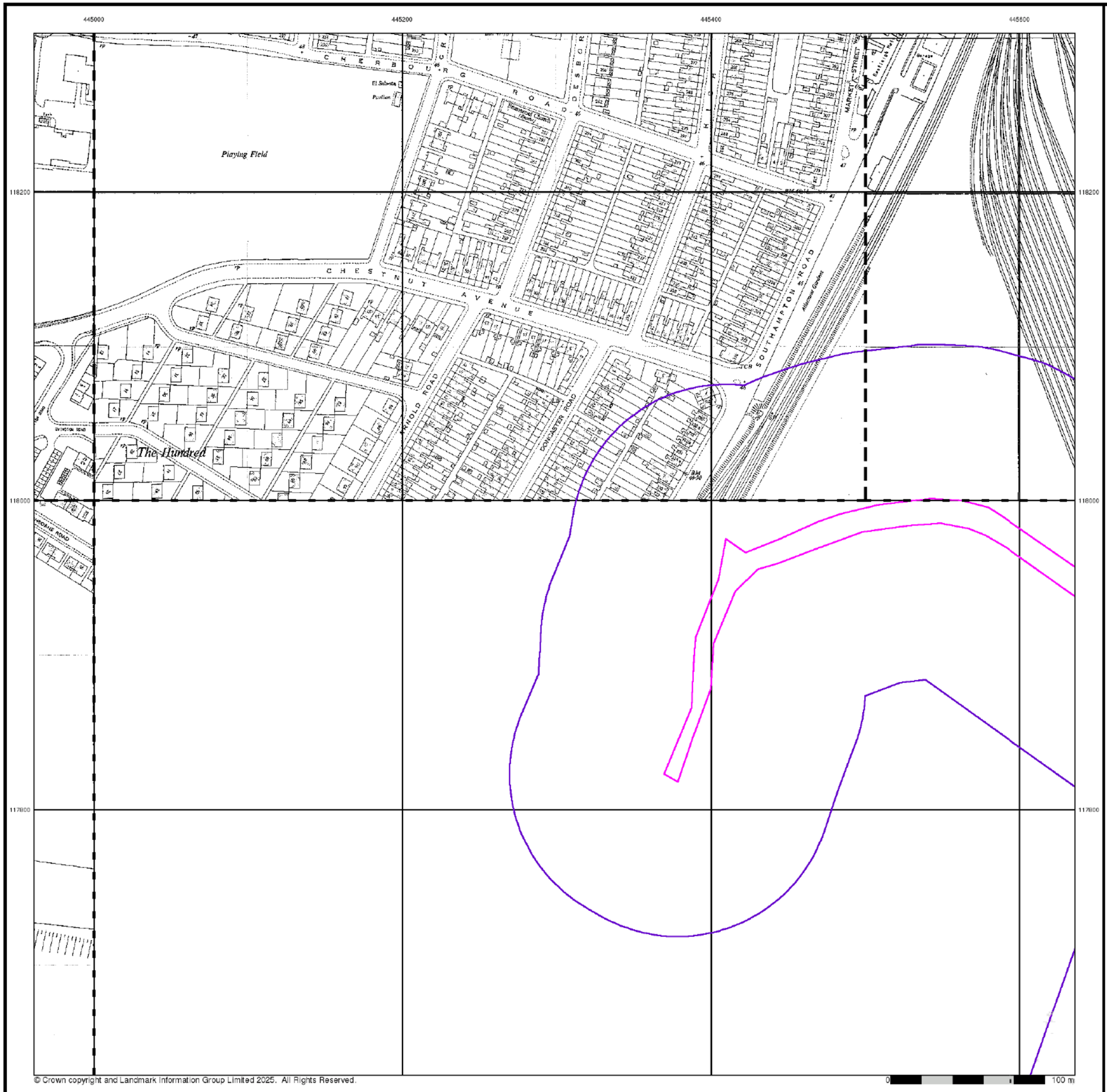

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Geo2™

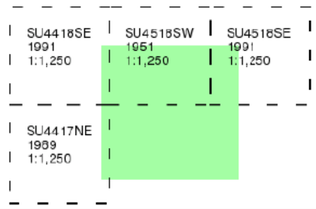
Additional SIMs

Published 1951 - 1991

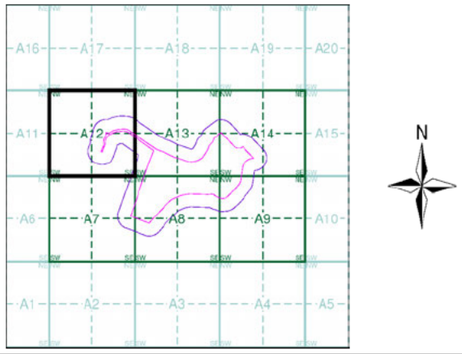
Source map scale - 1:1,250

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)



Historical Map - Segment A12



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
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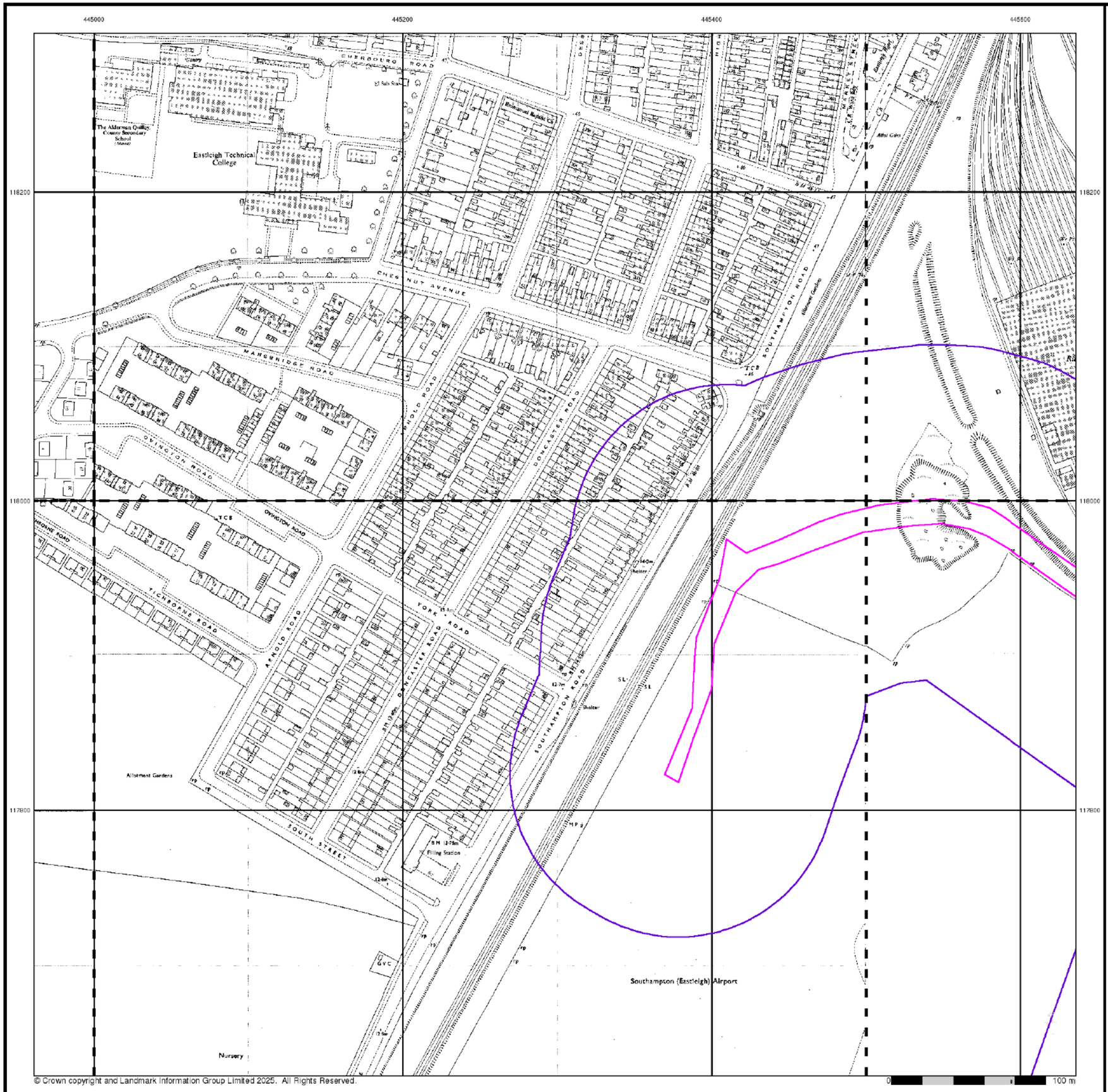

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Geo2™

Ordnance Survey Plan

Published 1953 - 1972

Source map scale - 1:1,250

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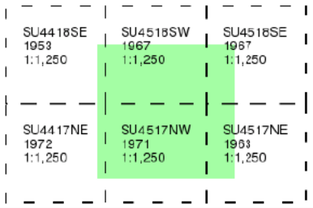
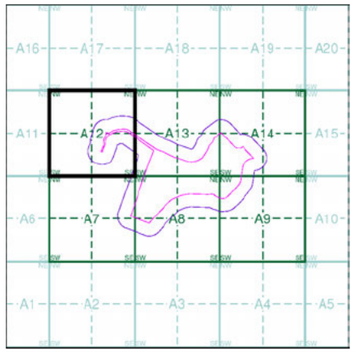
Map Name(s) and Date(s)



Historical Map - Segment A12



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

Site Details

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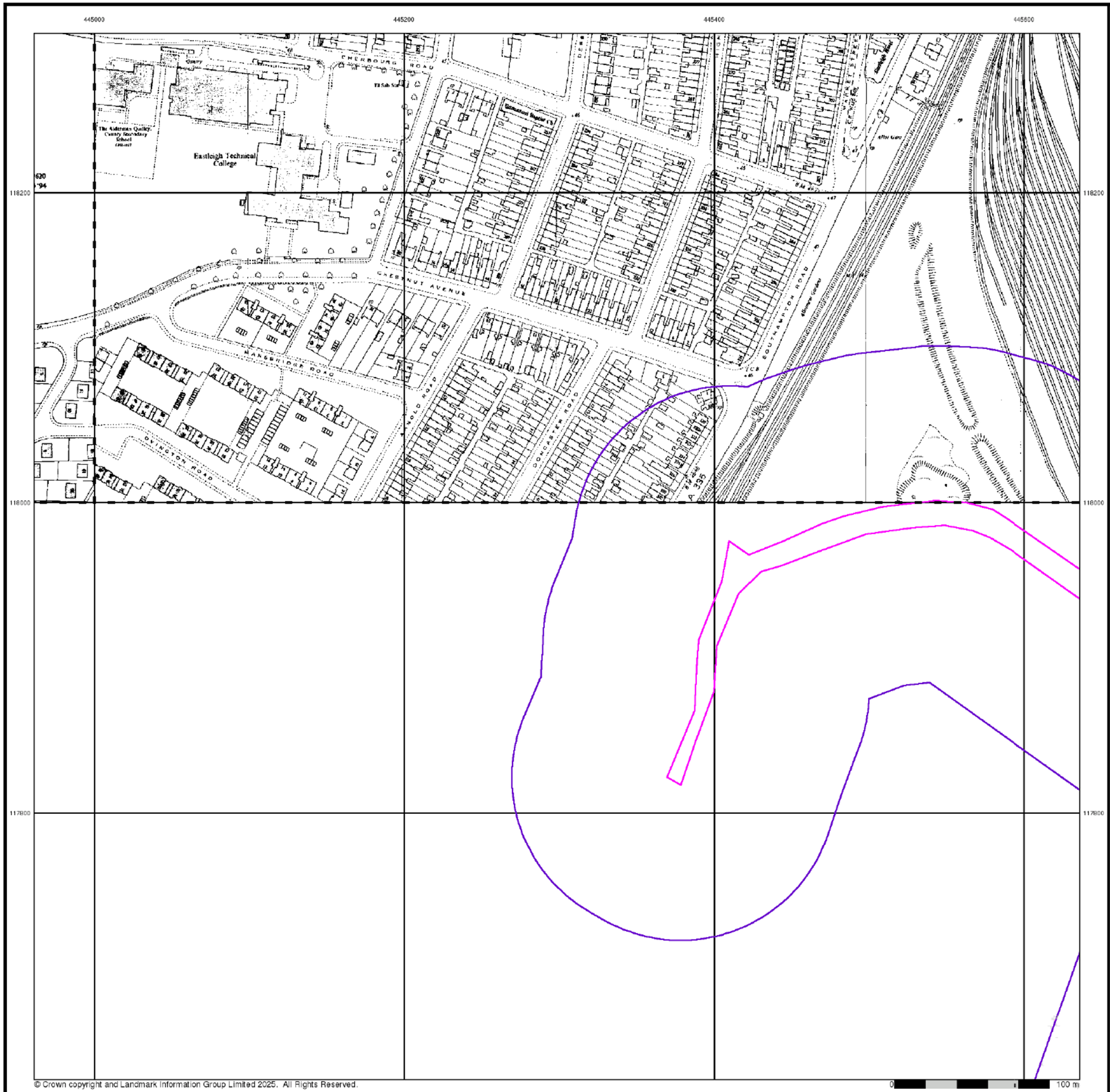

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Geo2™

Ordnance Survey Plan

Published 1954 - 1968

Source map scale - 1:2,500

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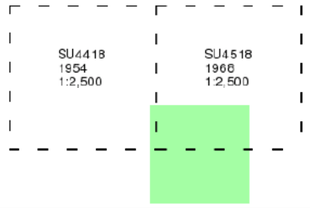
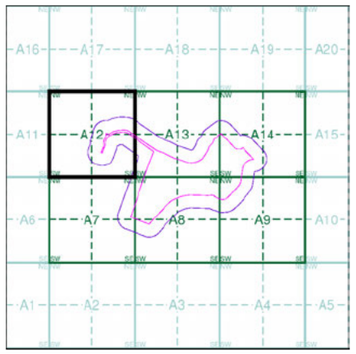
Map Name(s) and Date(s)



Historical Map - Segment A12



Order Details

Order Number:	366723883_1_1
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Site Area (Ha):	32.62
Search Buffer (m):	100

Site Details

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Geo2™

Ordnance Survey Plan

Published 1958 - 1989

Source map scale - 1:1,250

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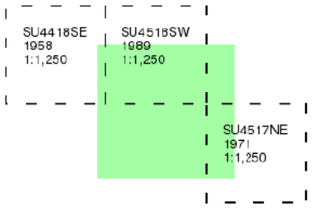
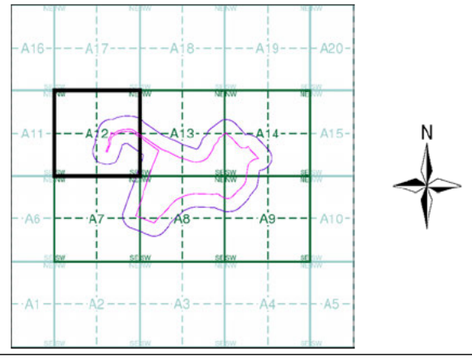
Map Name(s) and Date(s)



Historical Map - Segment A12



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

Site Details

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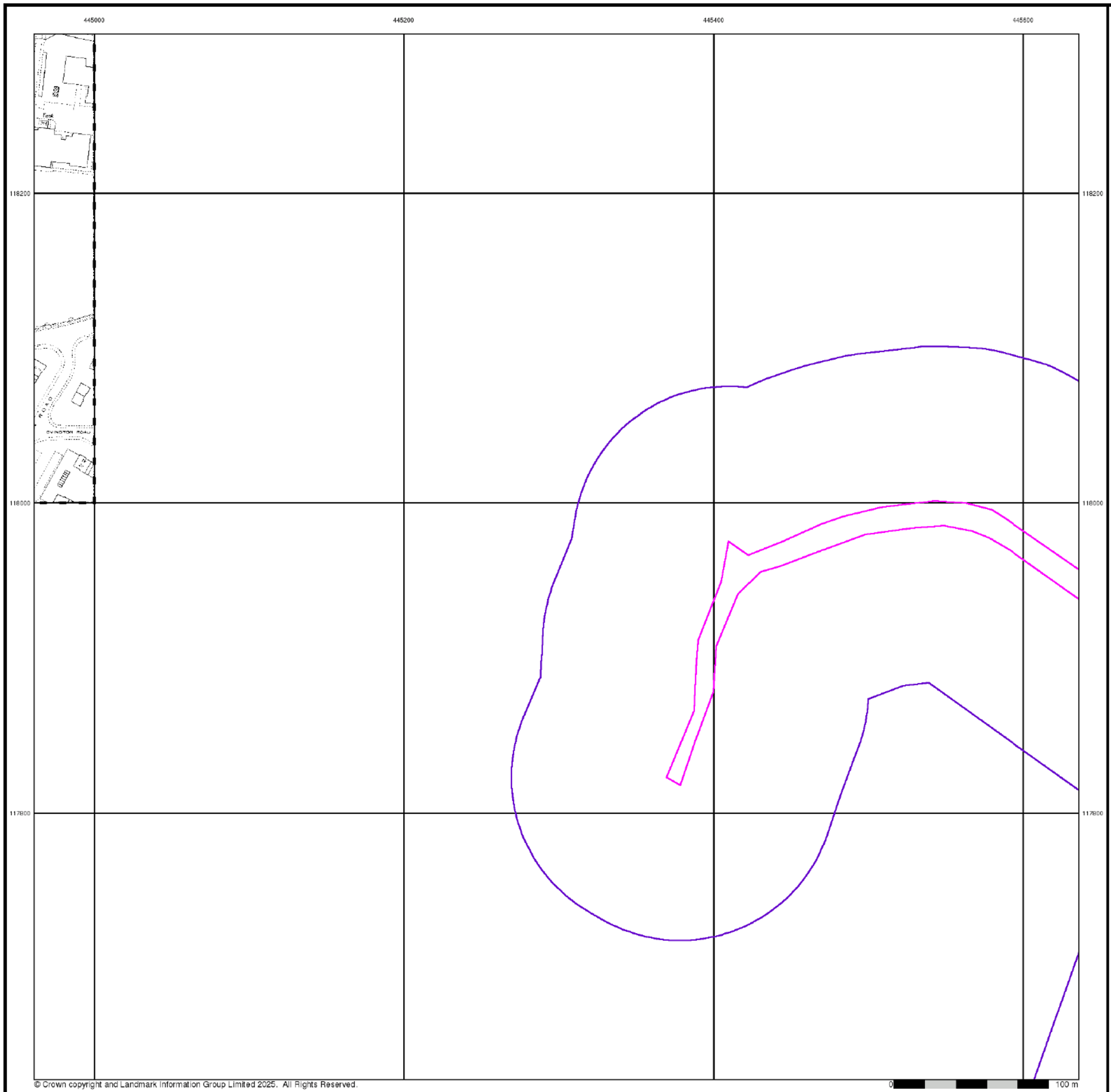

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Geo2™

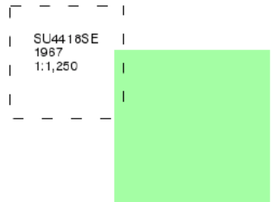
Ordnance Survey Plan

Published 1967

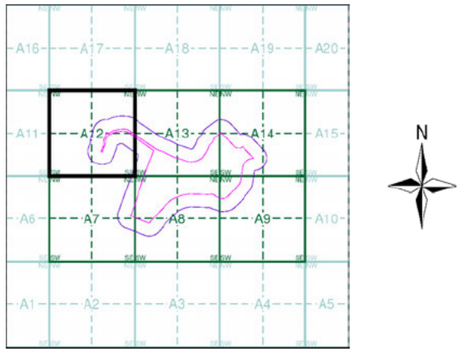
Source map scale - 1:1,250

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 A12



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

Site Details

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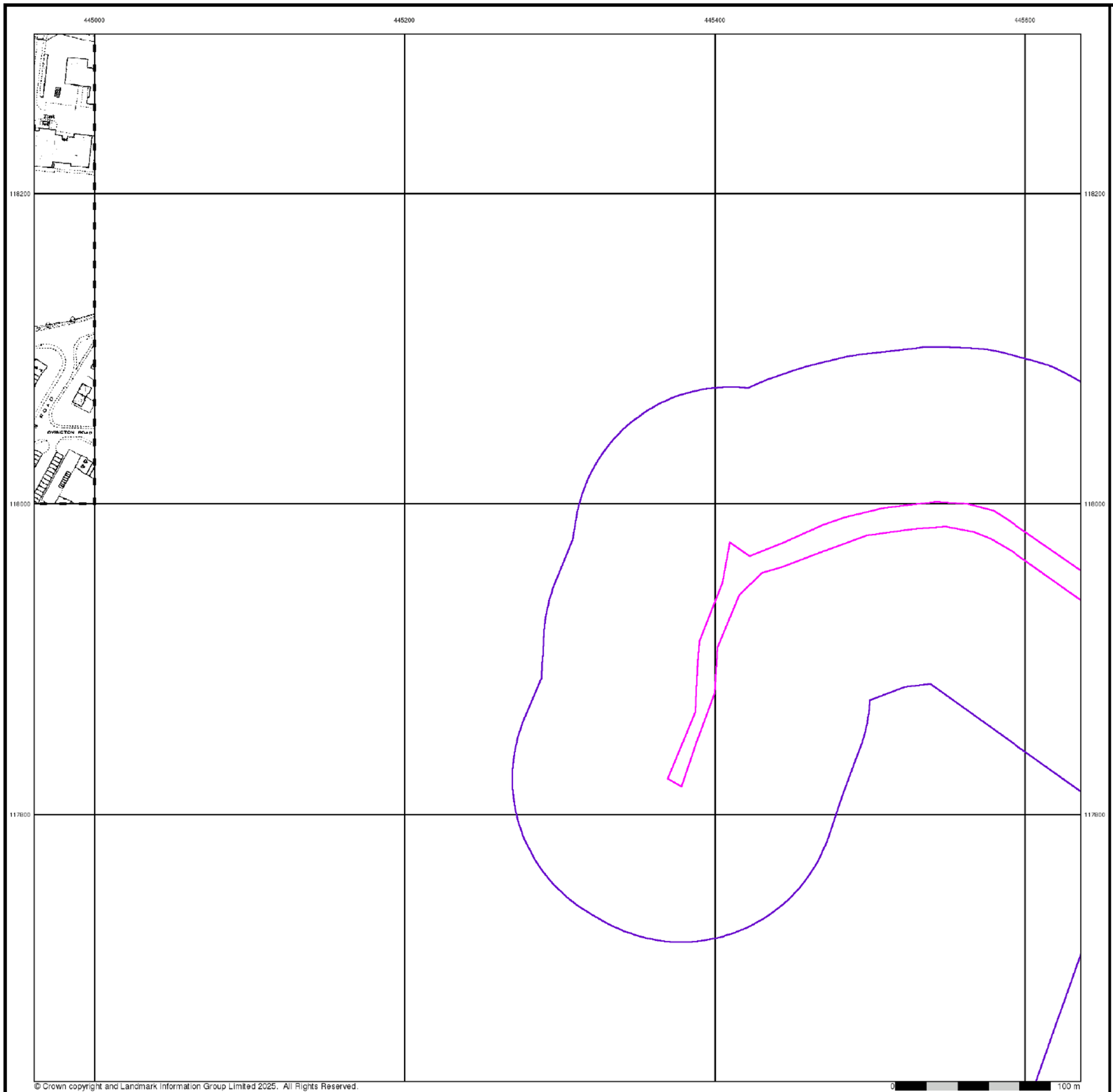

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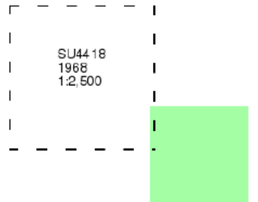
Ordnance Survey Plan

Published 1968

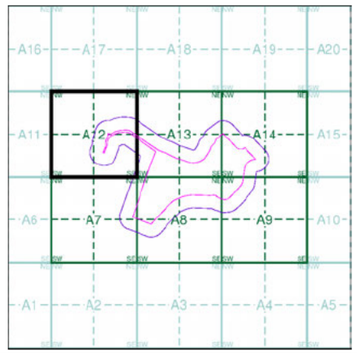
Source map scale - 1:2,500

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

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Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
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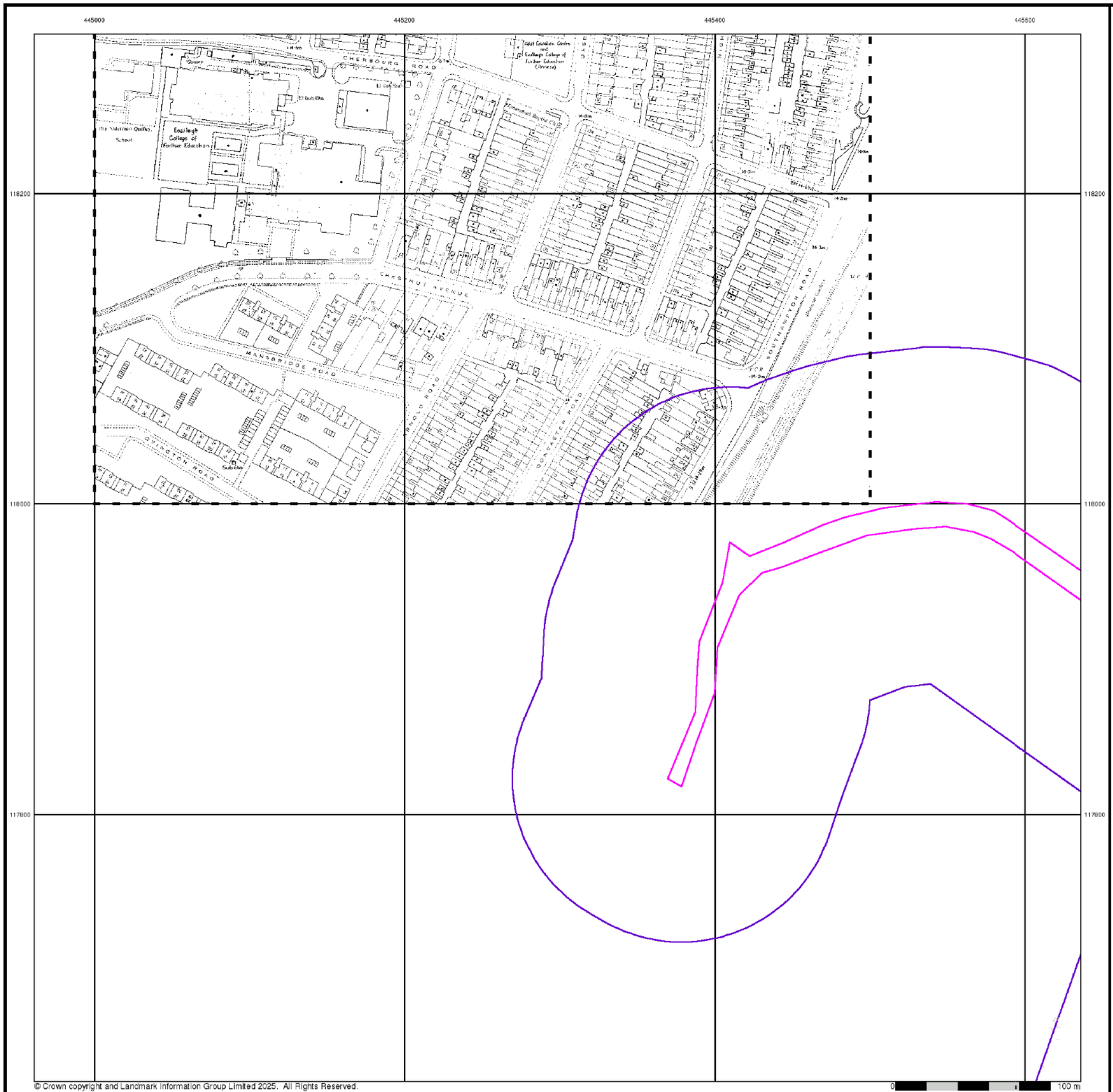

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Geo2™

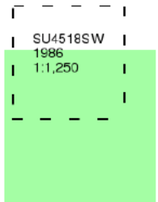
Additional SIMs

Published 1986

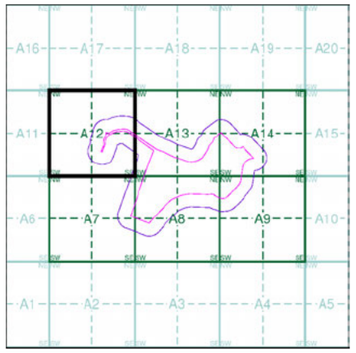
Source map scale - 1:1,250

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)



Historical Map - Segment A12



Order Details

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Site Details

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Geo2™

Large-Scale National Grid Data

Published 1992

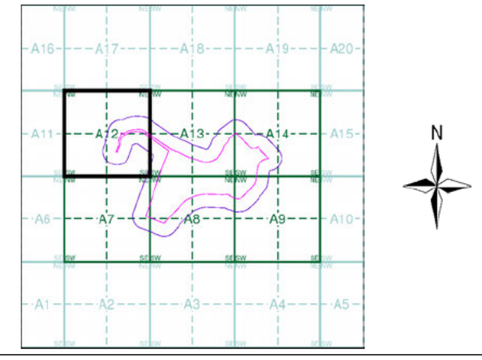
Source map scale - 1:1,250

'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)

SU4418SE 1992 1:1,250	SU4518SW 1992 1:1,250	SU4518SE 1992 1:1,250
SU4417NE 1992 1:1,250	SU4517NW 1992 1:1,250	SU4517NE 1992 1:1,250

Historical Map - Segment A12



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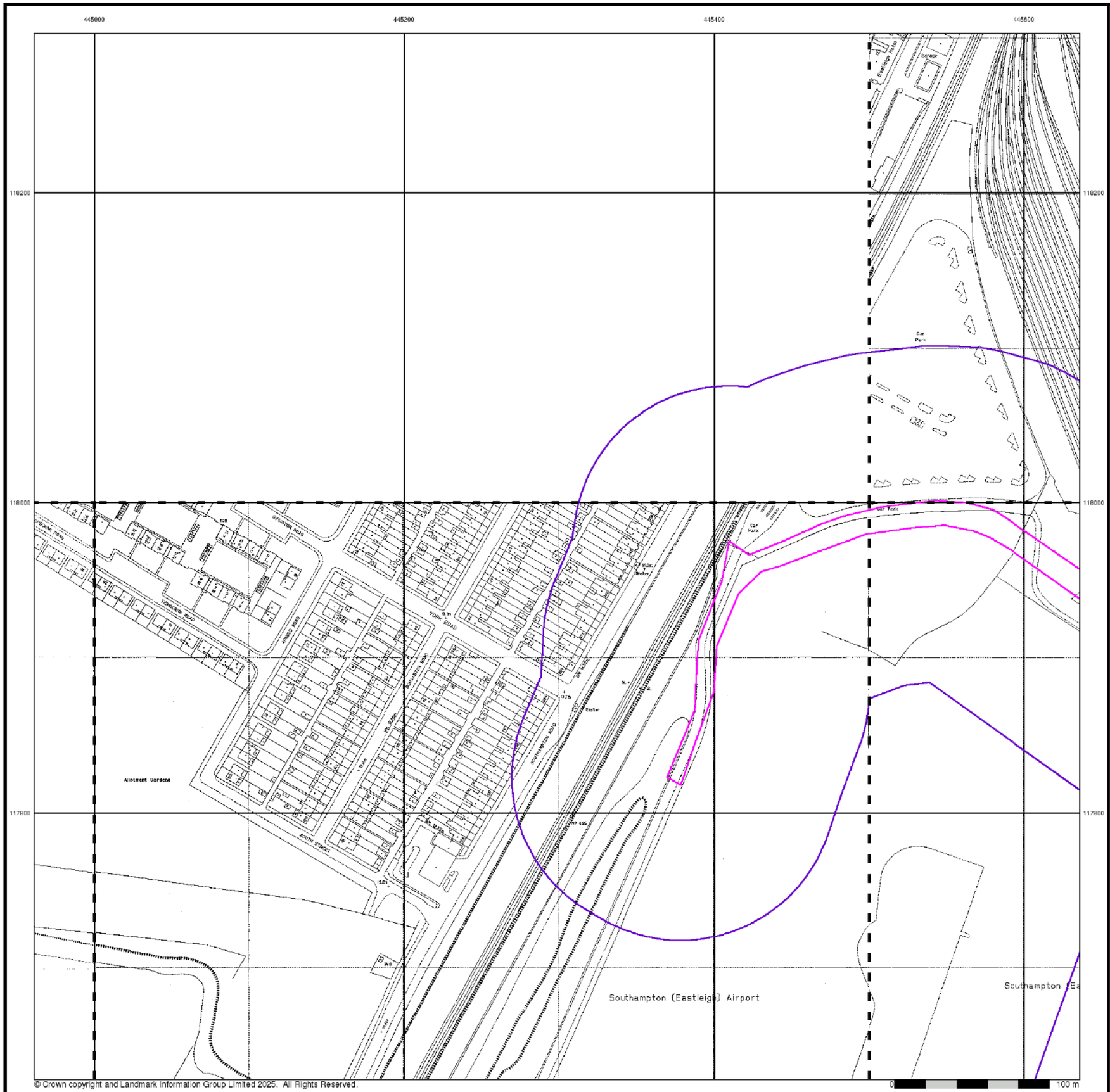


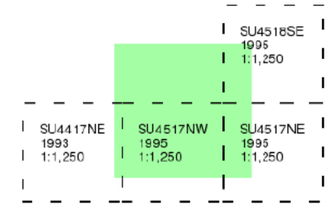
Large-Scale National Grid Data

Published 1993 - 1995

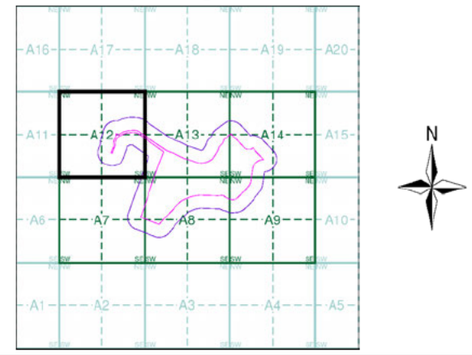
Source map scale - 1:1,250

'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 A12



Order Details

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Search Buffer (m):	100

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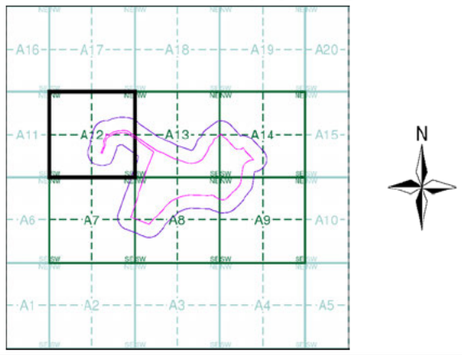
Historical Aerial Photography

Published 1999

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

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

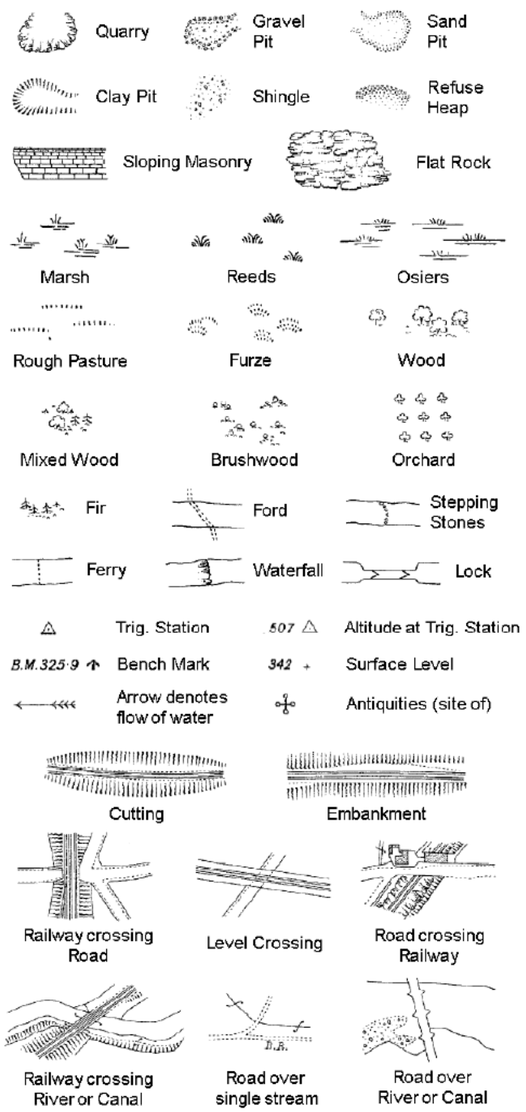
Site Details

Mitchell Way, Southampton, SO50 5QJ

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

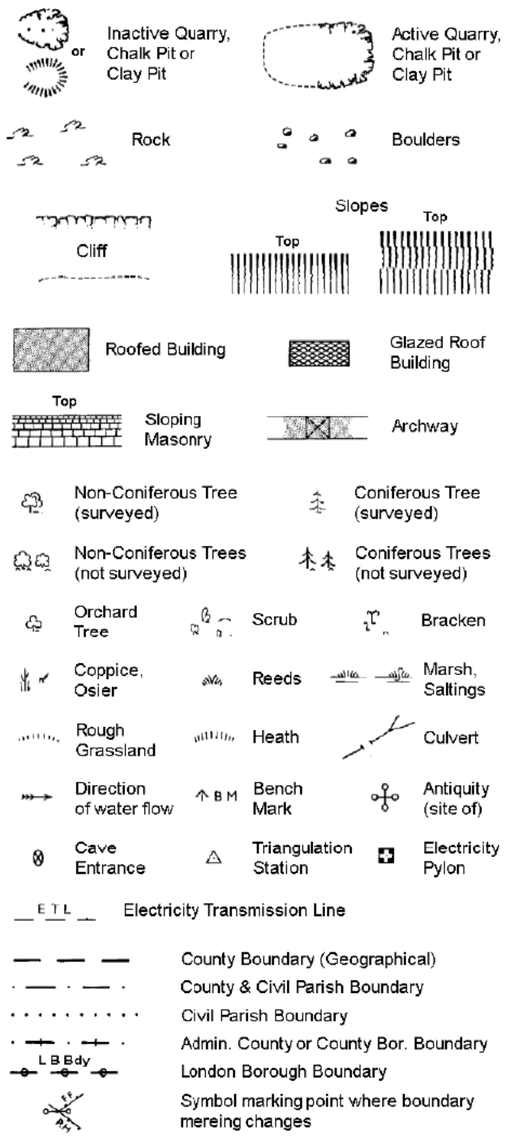
Historical Mapping Legends

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



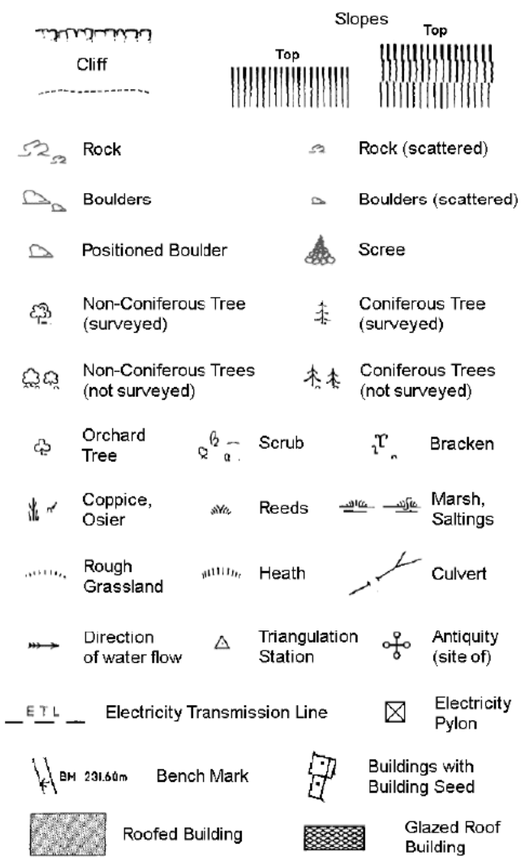
B.P B.S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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



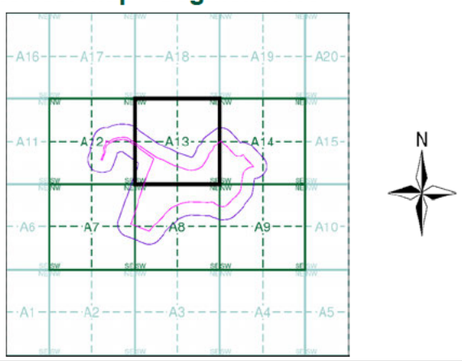
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity 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

Geo2™

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:2,500	1886	2
Hampshire & Isle Of Wight	1:2,500	1896	3
Hampshire & Isle Of Wight	1:2,500	1909	4
Hampshire & Isle Of Wight	1:2,500	1946	5
Ordnance Survey Plan	1:1,250	1951	6
Ordnance Survey Plan	1:2,500	1951 - 1964	7
Ordnance Survey Plan	1:2,500	1963 - 1968	8
Ordnance Survey Plan	1:1,250	1963 - 1972	9
Ordnance Survey Plan	1:1,250	1971	10
Additional SIMs	1:1,250	1984 - 1991	11
Additional SIMs	1:1,250	1986	12
Additional SIMs	1:2,500	1988	13
Additional SIMs	1:1,250	1991	14
Large-Scale National Grid Data	1:1,250	1992	15
Large-Scale National Grid Data	1:1,250	1995	16
Large-Scale National Grid Data	1:1,250	1996	17
Historical Aerial Photography	1:2,500	1999	18

Historical Map - Segment A13



Order Details

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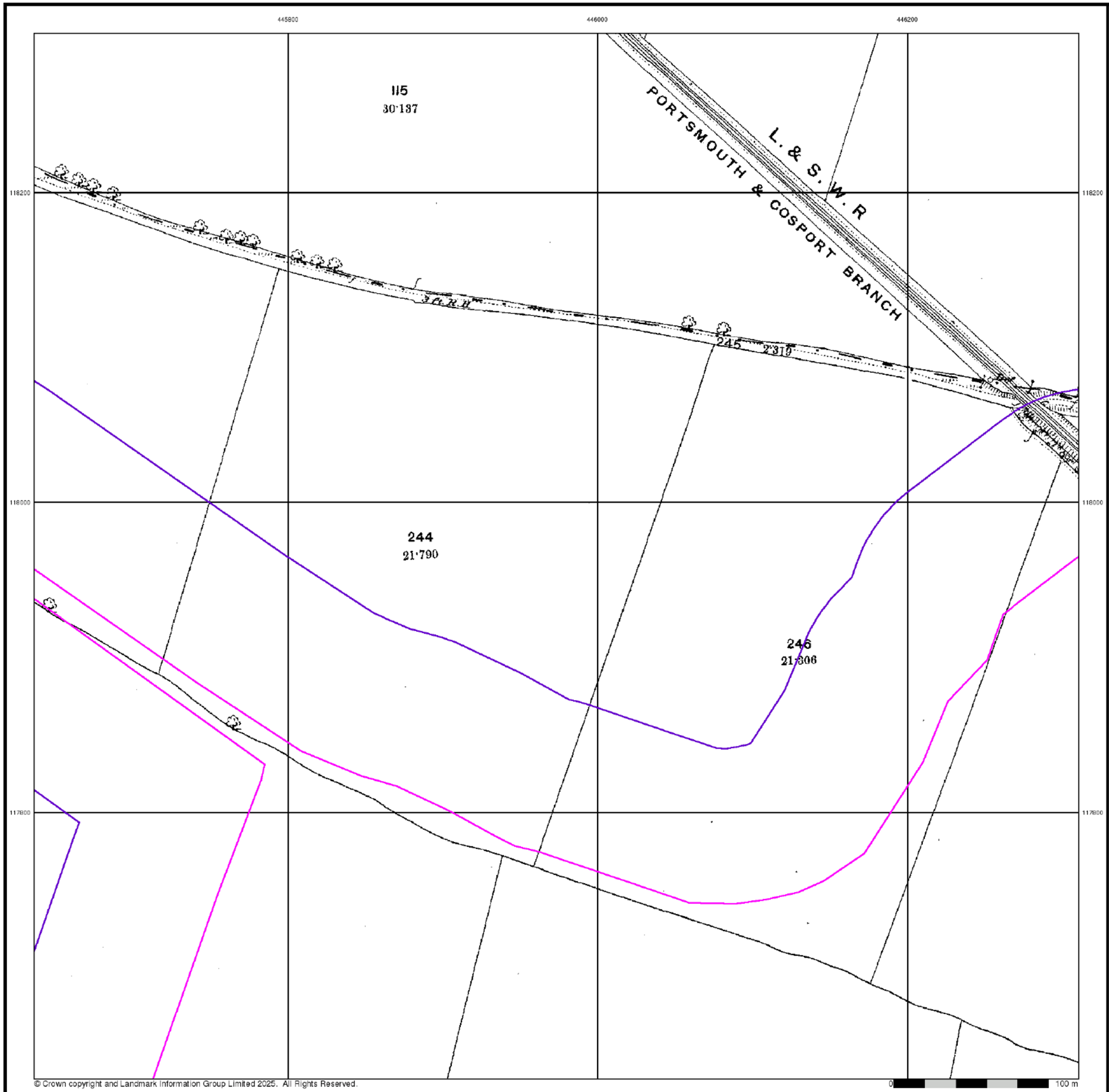

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Geo2™

Hampshire & Isle Of Wight

Published 1886

Source map scale - 1:2,500

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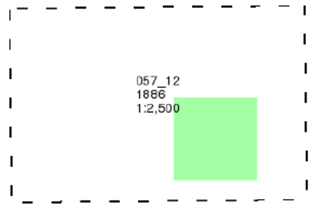
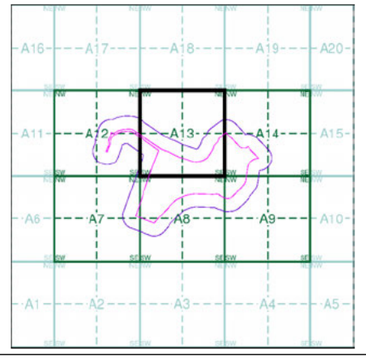
Map Name(s) and Date(s)



Historical Map - Segment A13



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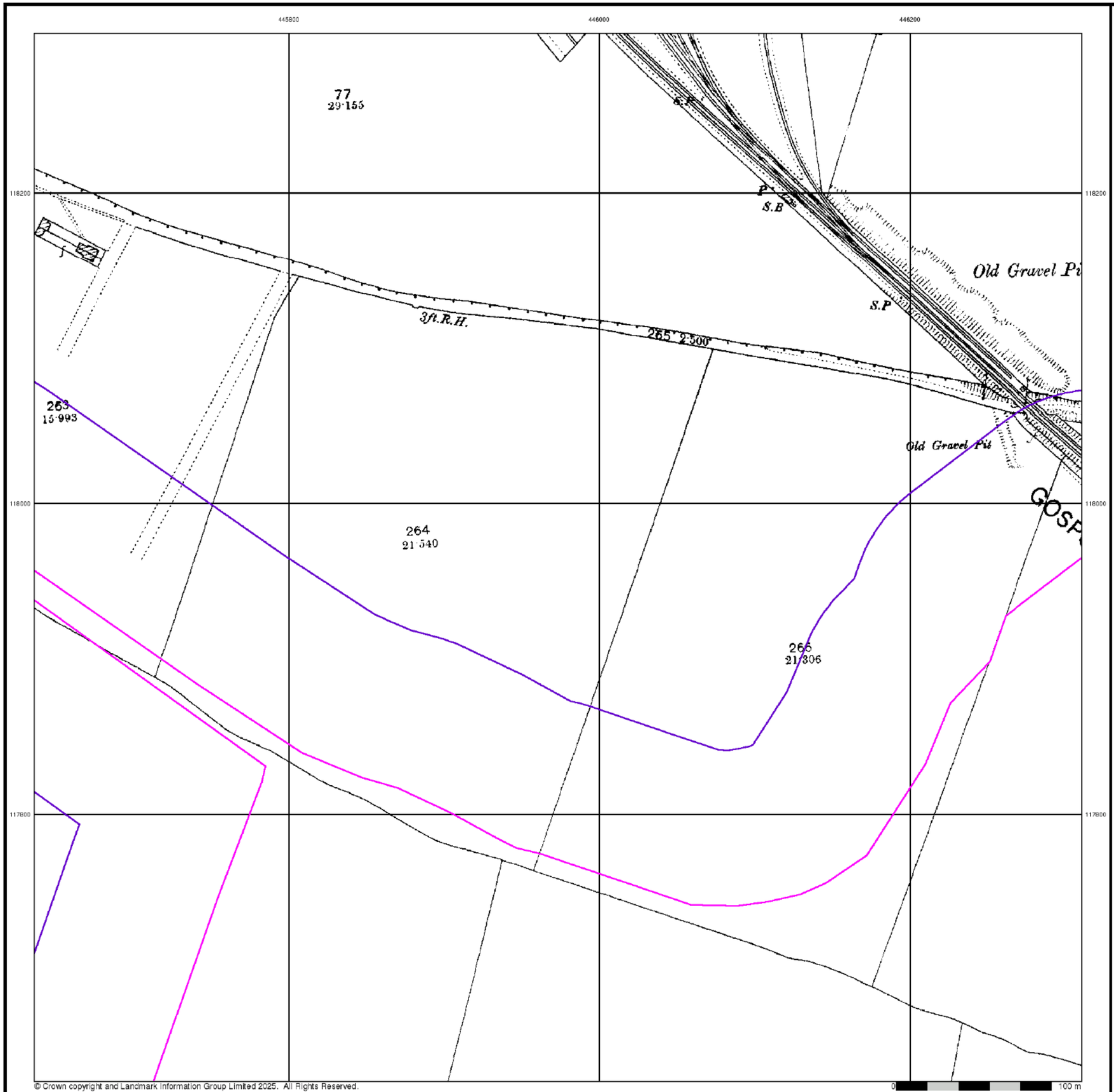

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Geo2™

Hampshire & Isle Of Wight

Published 1896

Source map scale - 1:2,500

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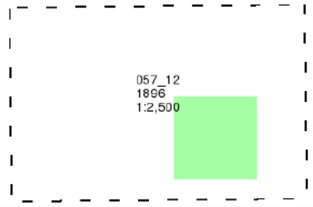
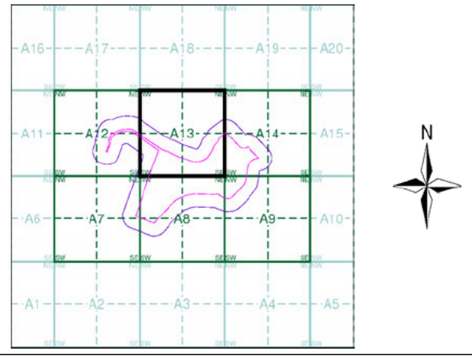
Map Name(s) and Date(s)



Historical Map - Segment A13



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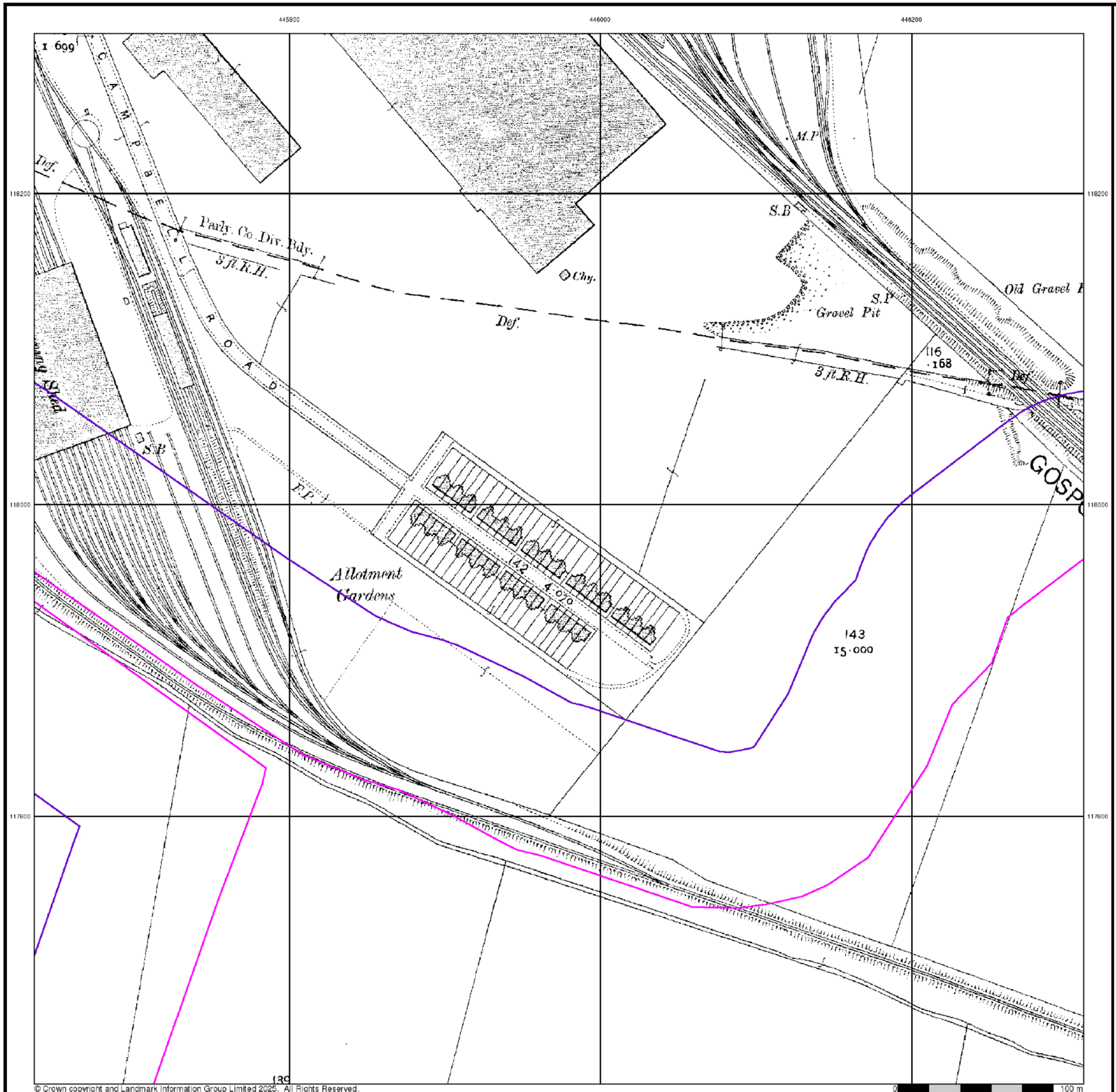

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Hampshire & Isle Of Wight

Published 1909

Source map scale - 1:2,500

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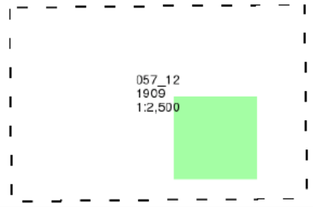
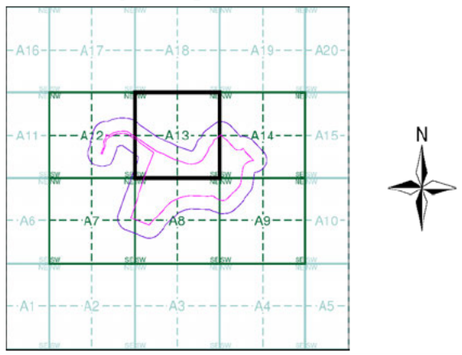
Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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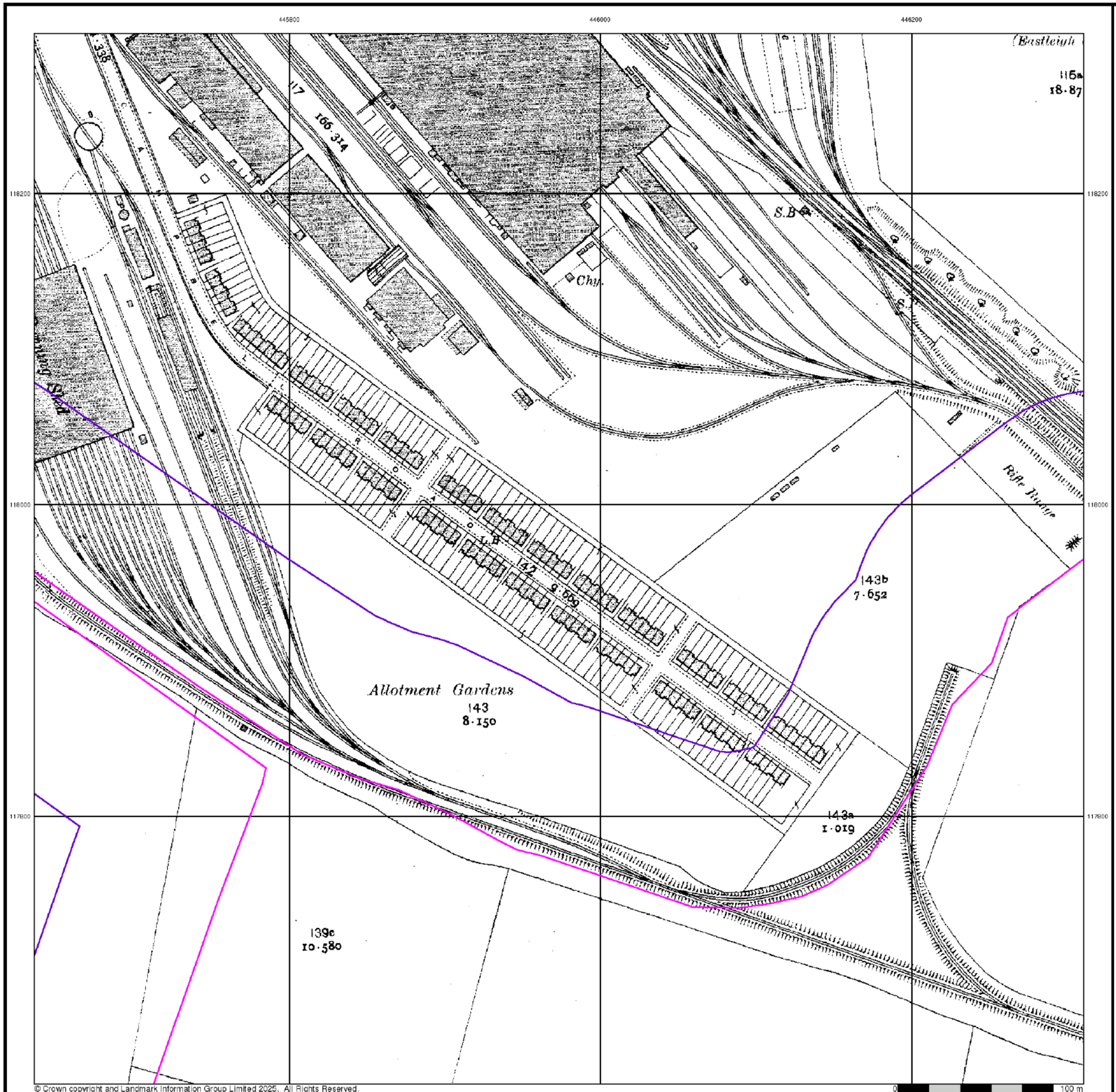

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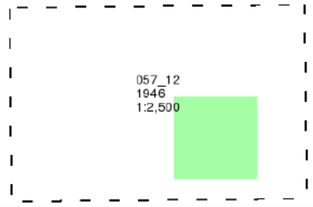
Hampshire & Isle Of Wight

Published 1946

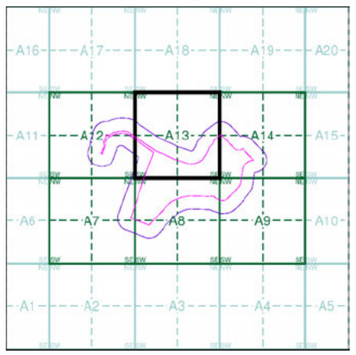
Source map scale - 1:2,500

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

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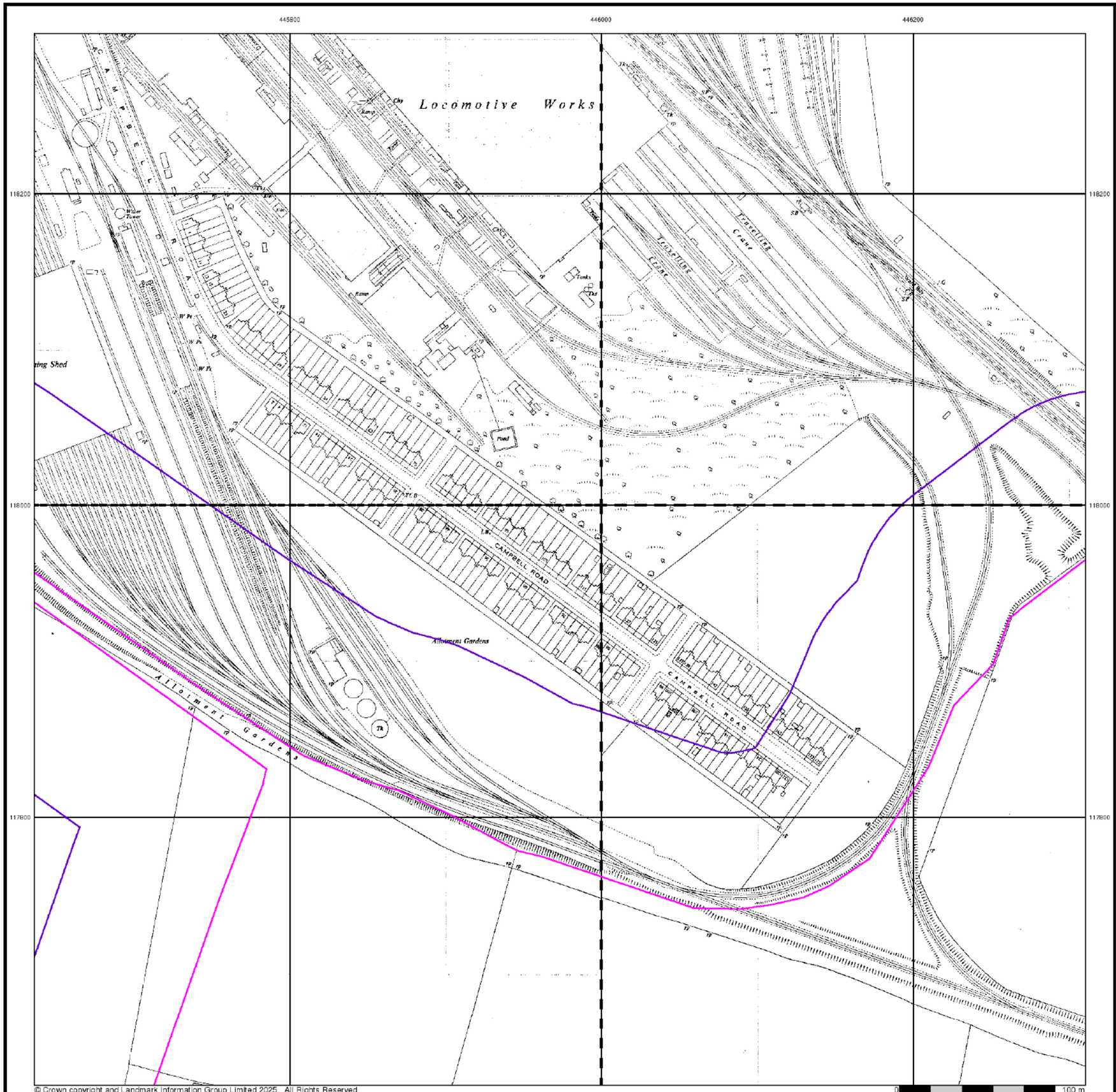

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Geo2™

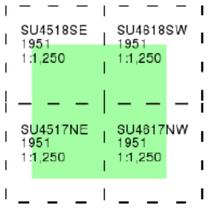
Ordnance Survey Plan

Published 1951

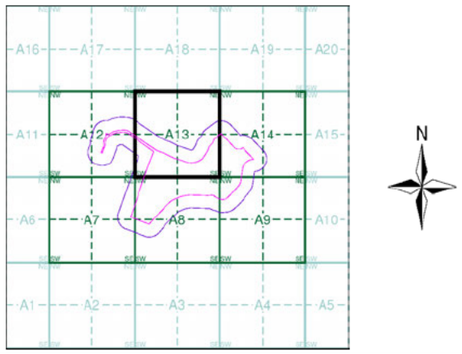
Source map scale - 1:1,250

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)



Historical Map - Segment A13



Order Details

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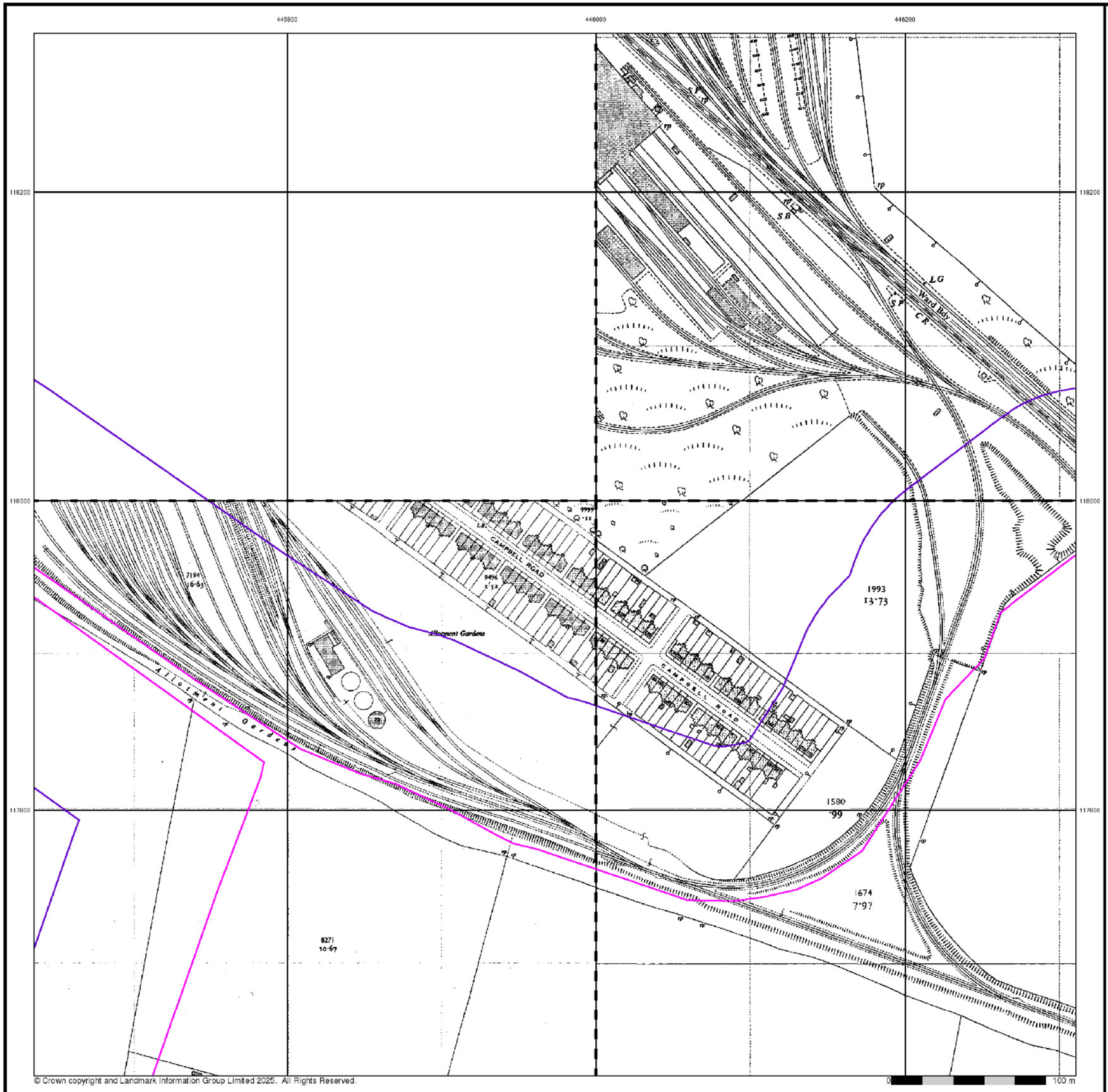

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Geo2™

Ordnance Survey Plan

Published 1951 - 1964

Source map scale - 1:2,500

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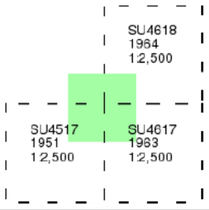
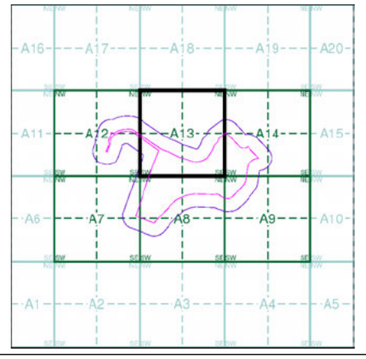
Map Name(s) and Date(s)



Historical Map - Segment A13



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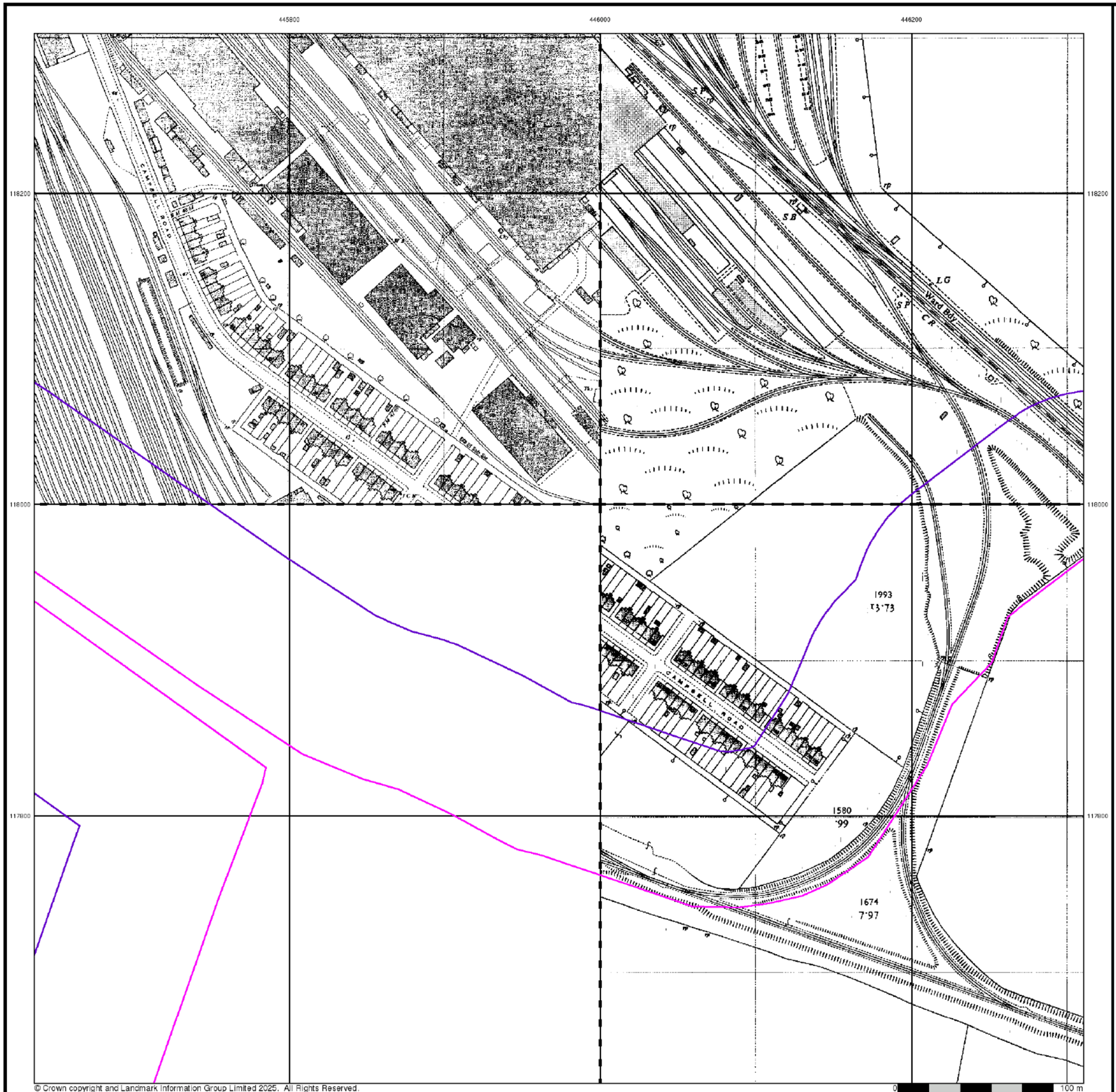

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Ordnance Survey Plan

Published 1963 - 1968

Source map scale - 1:2,500

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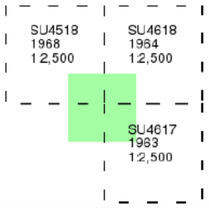
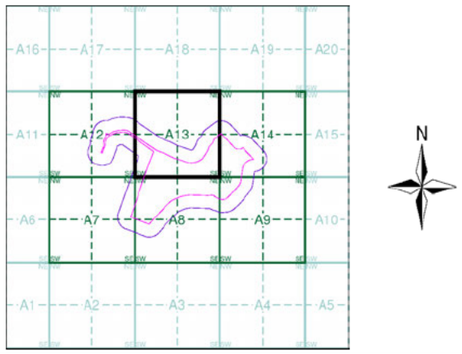
Map Name(s) and Date(s)



Historical Map - Segment A13



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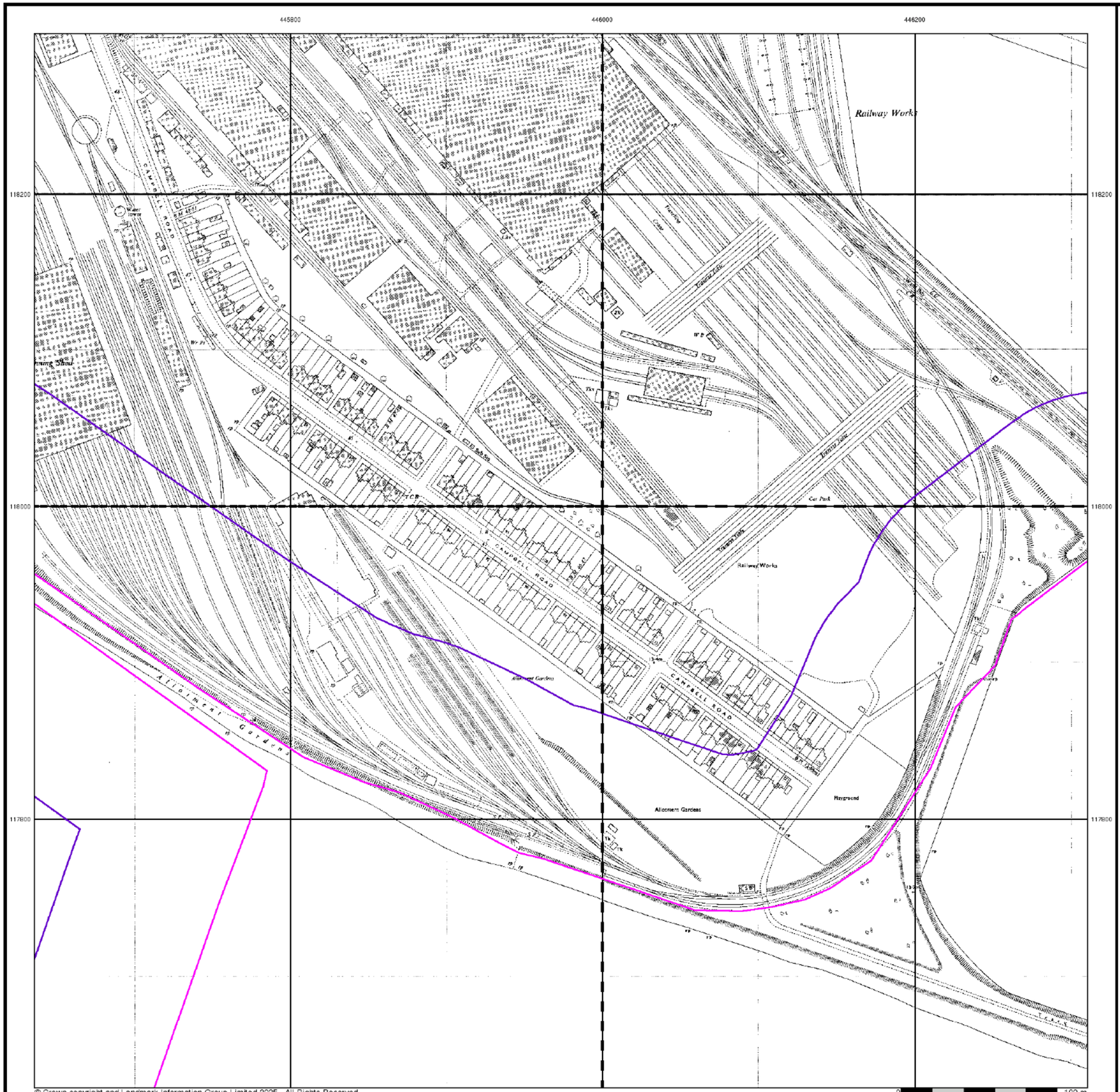

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Ordnance Survey Plan

Published 1963 - 1972

Source map scale - 1:1,250

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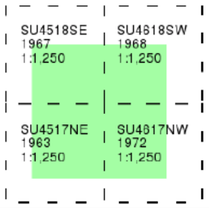
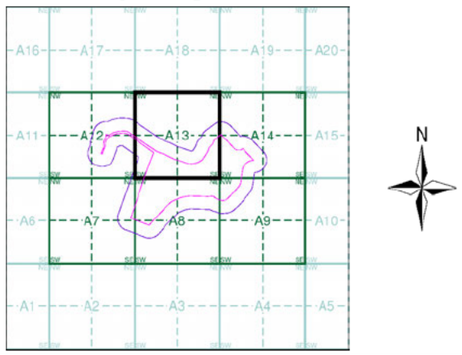


Historical Map - Segment A13



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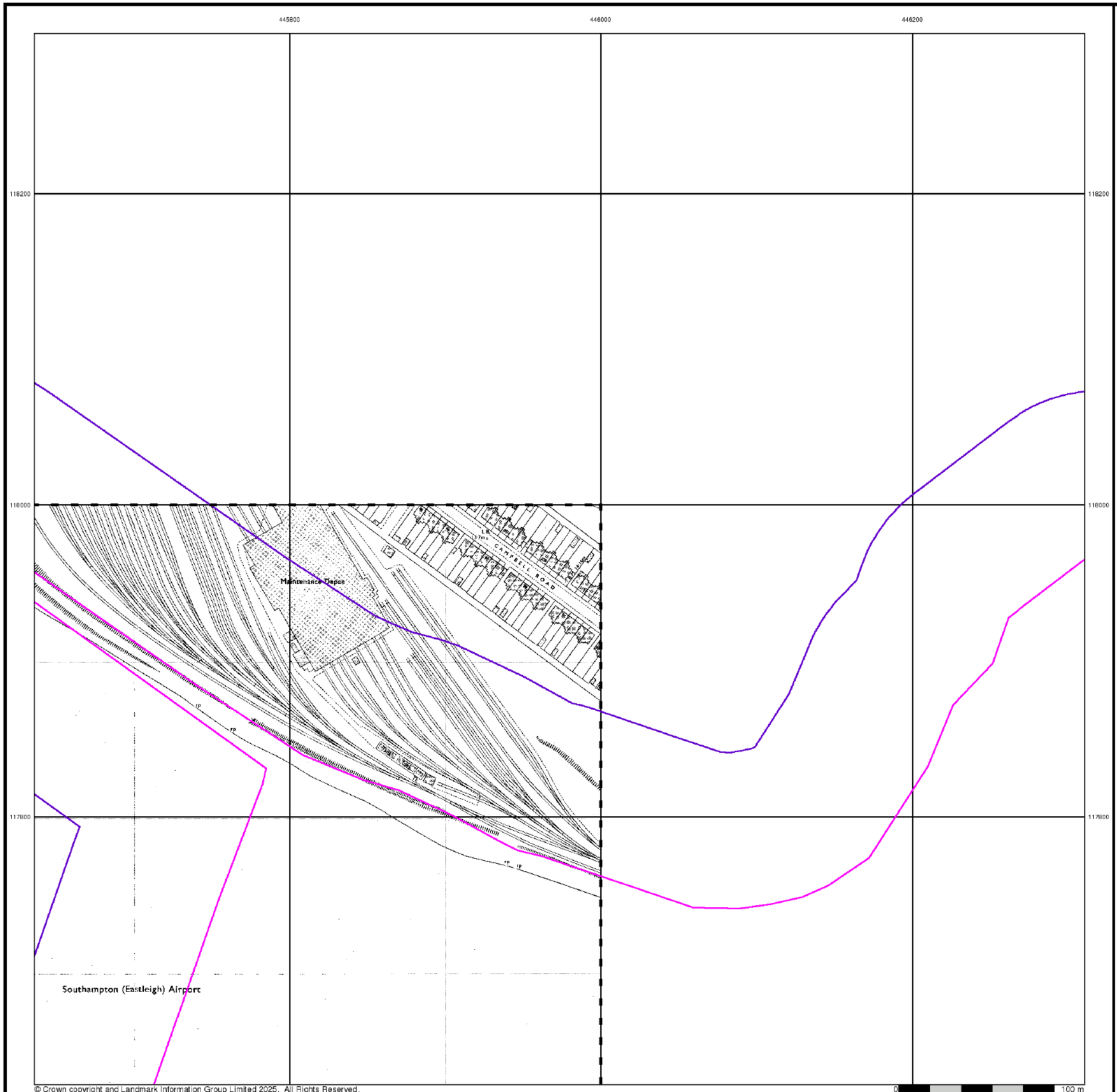

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Geo2™

Ordnance Survey Plan

Published 1971

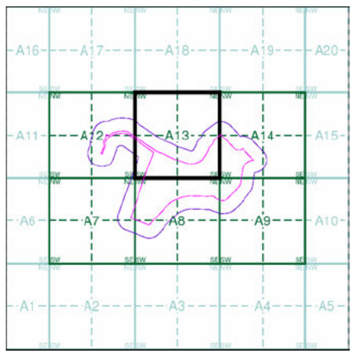
Source map scale - 1:1,250

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)

SU4517NE
1971
1:1,250

Historical Map - Segment A13



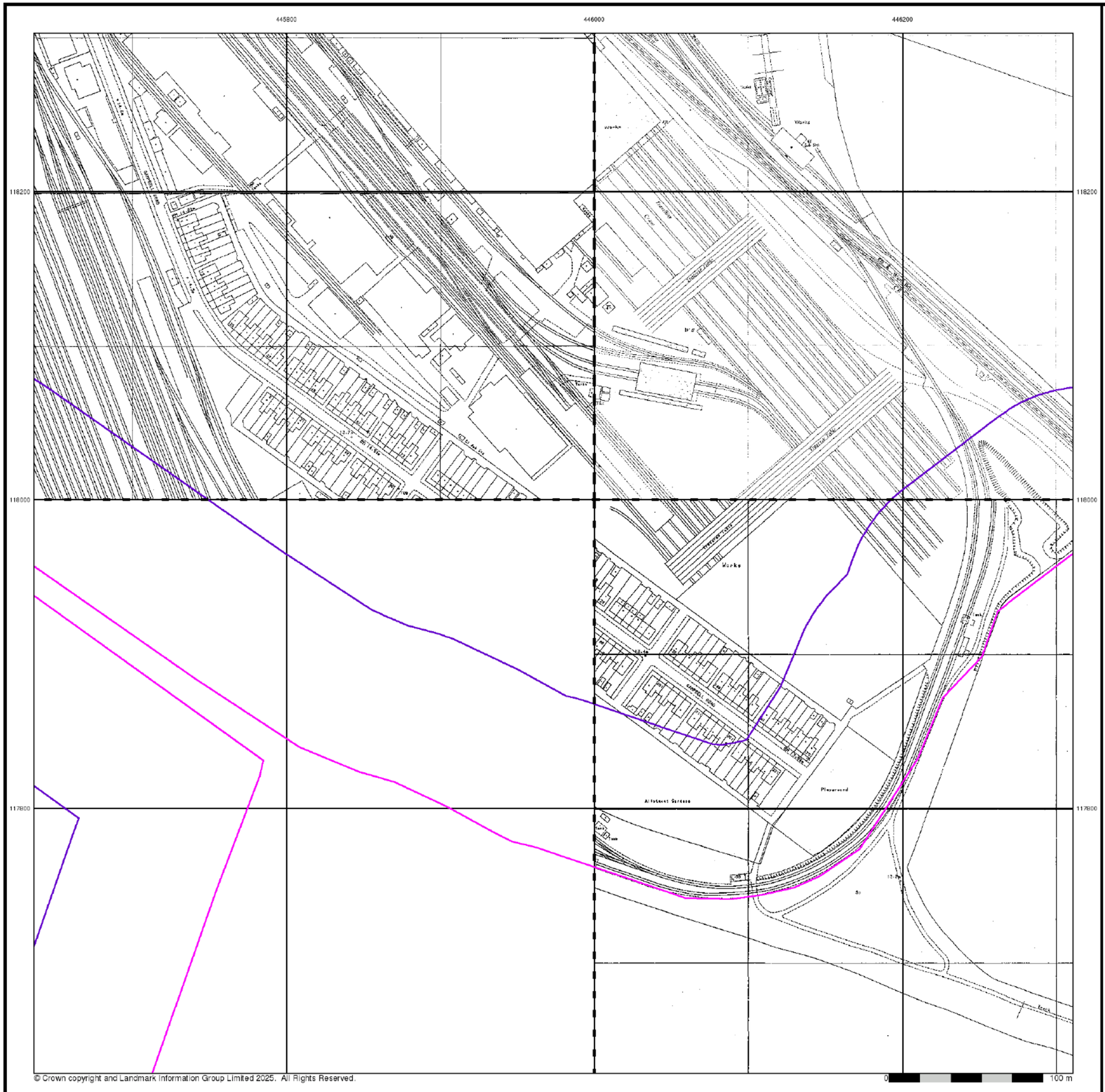
Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

Site Details

Mitchell Way, Southampton, SO50 5QJ

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



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Geo2™

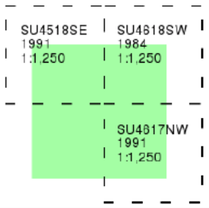
Additional SIMs

Published 1984 - 1991

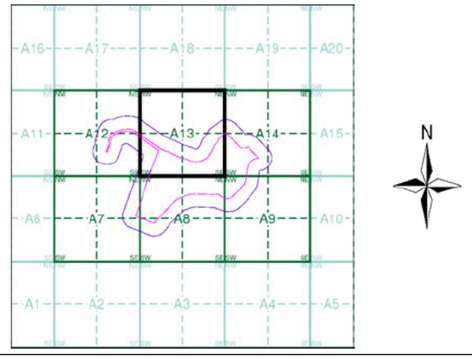
Source map scale - 1:1,250

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)



Historical Map - Segment A13



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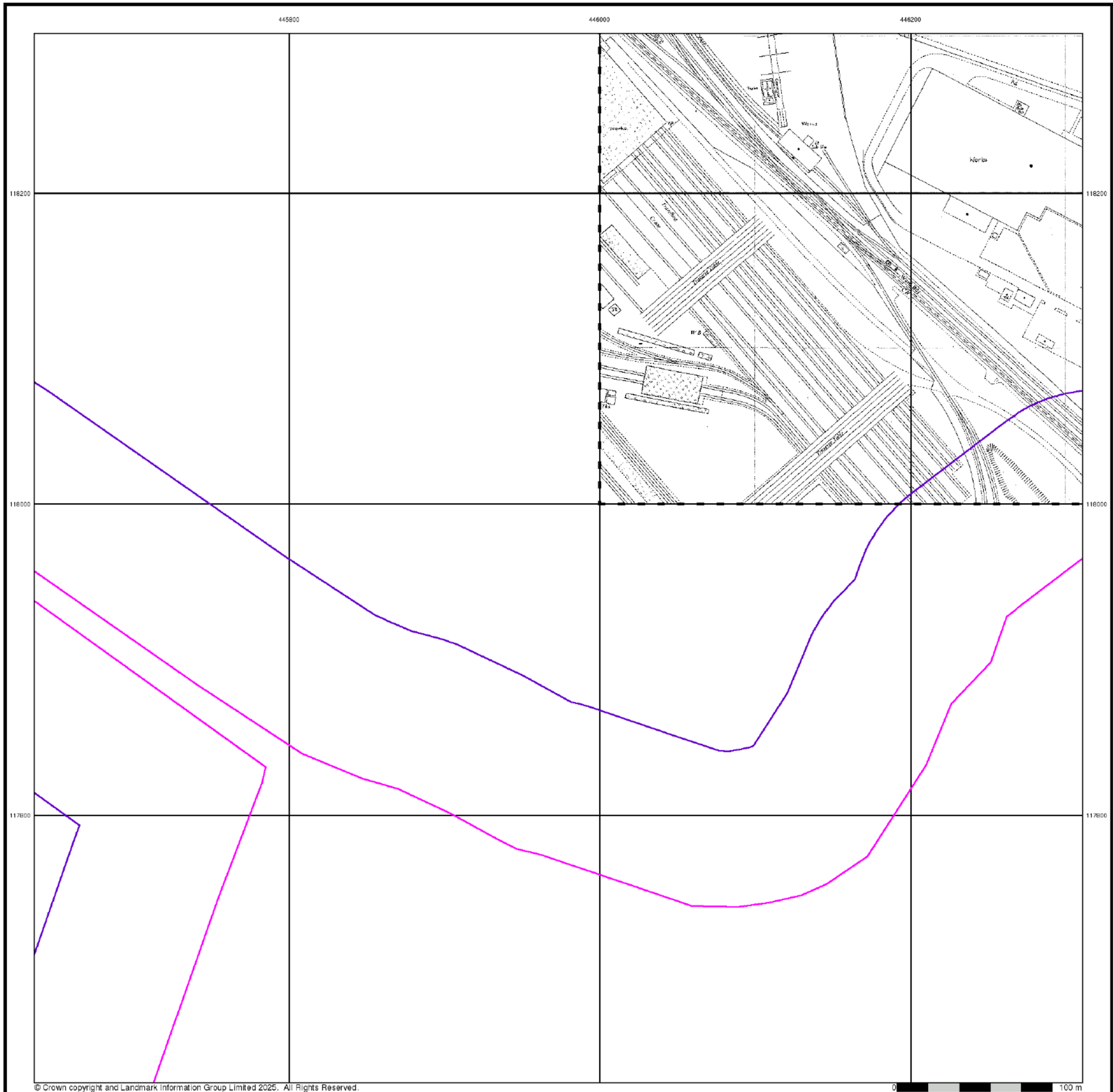

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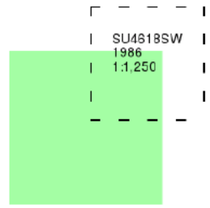
Additional SIMs

Published 1986

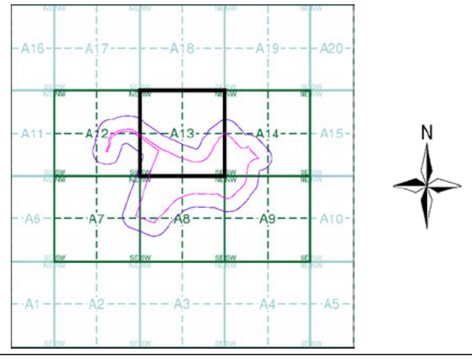
Source map scale - 1:1,250

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)



Historical Map - Segment A13



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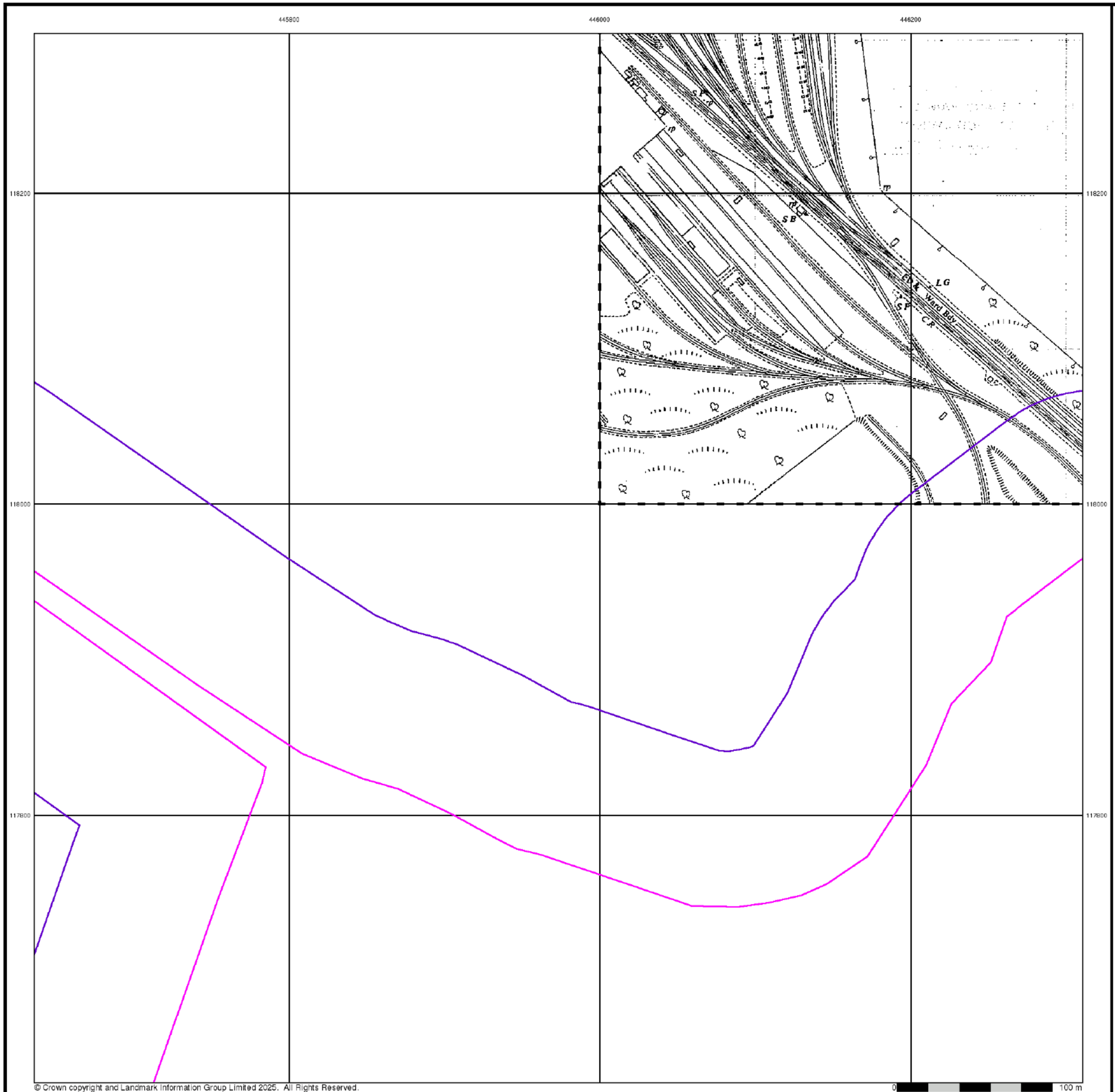

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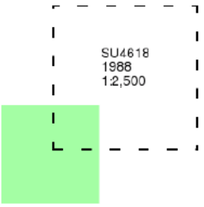
Additional SIMs

Published 1988

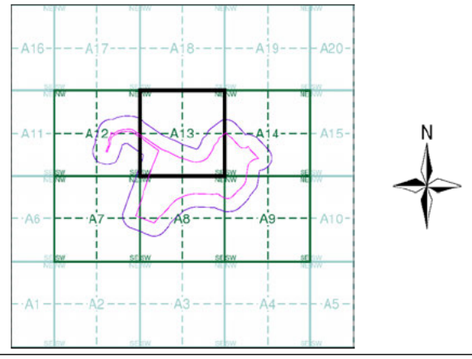
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



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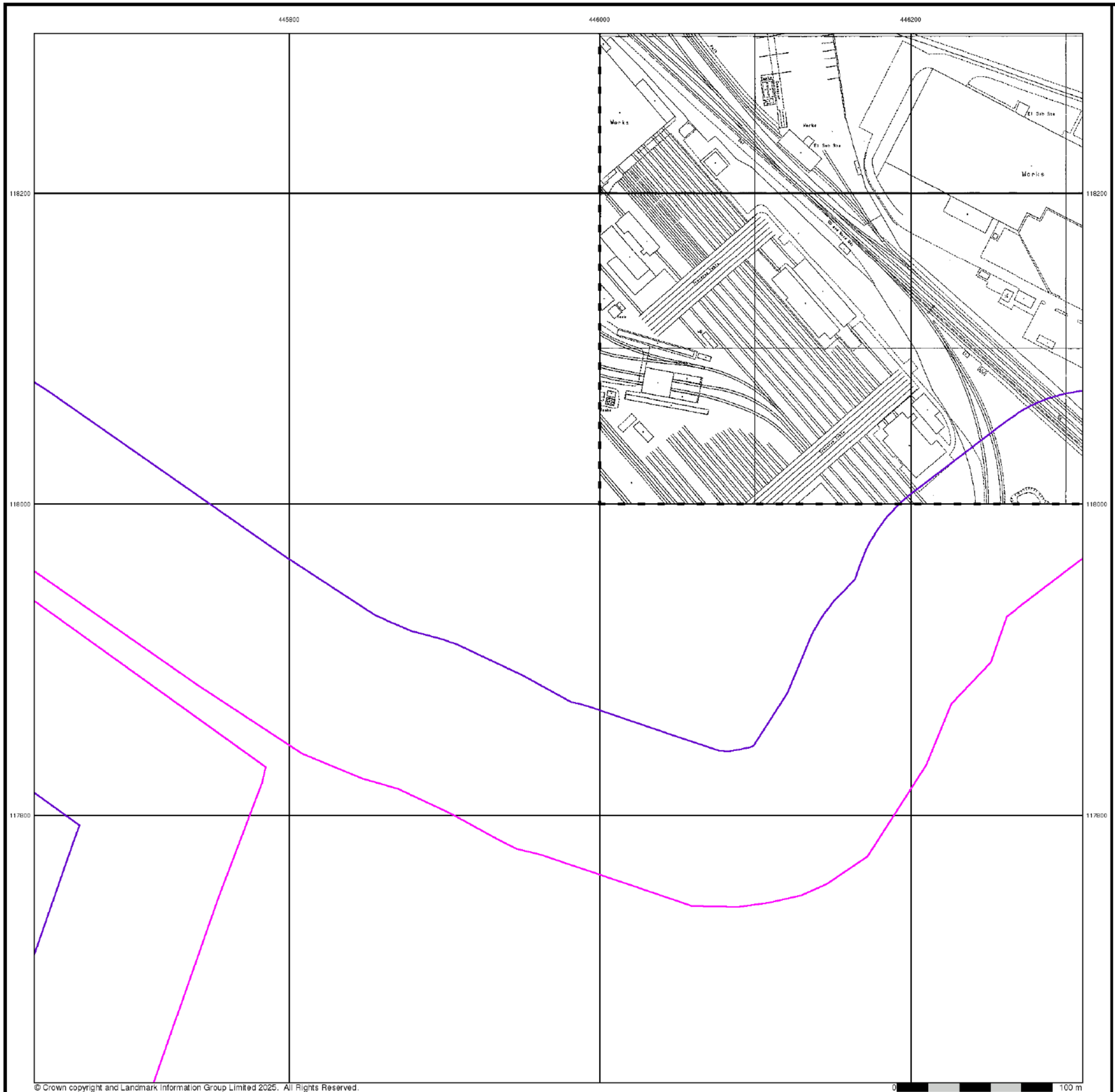

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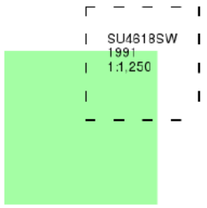
Additional SIMs

Published 1991

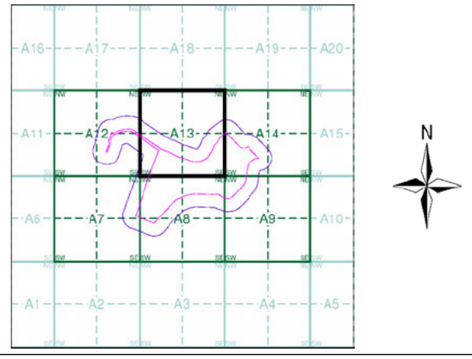
Source map scale - 1:1,250

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)



Historical Map - Segment A13



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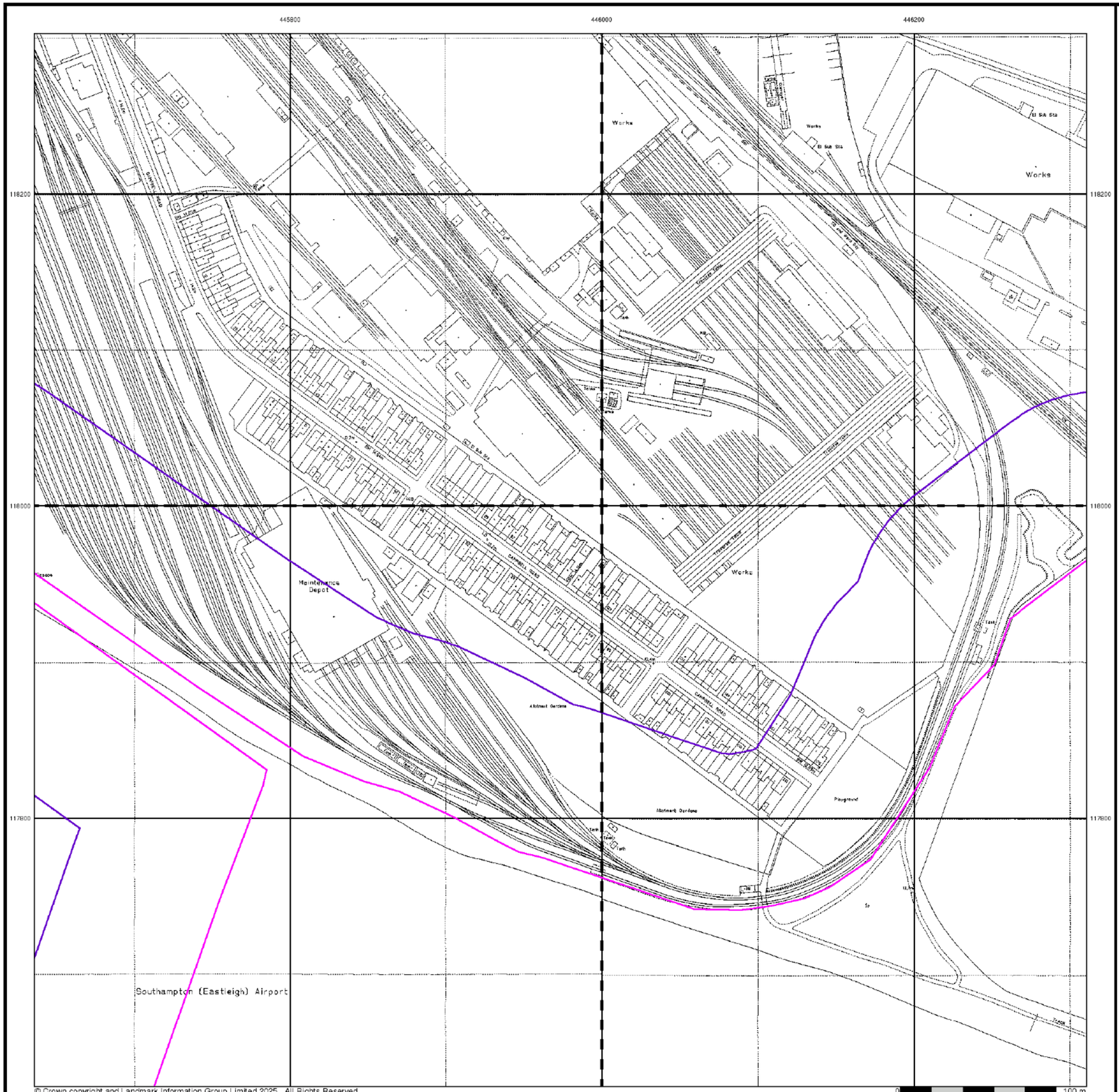

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Geo2™

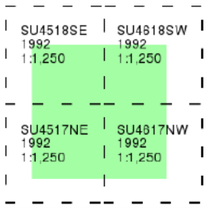
Large-Scale National Grid Data

Published 1992

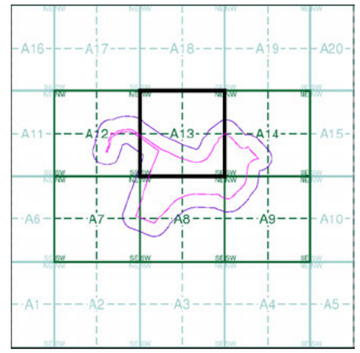
Source map scale - 1:1,250

'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

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Slice:	A
Site Area (Ha):	32.62
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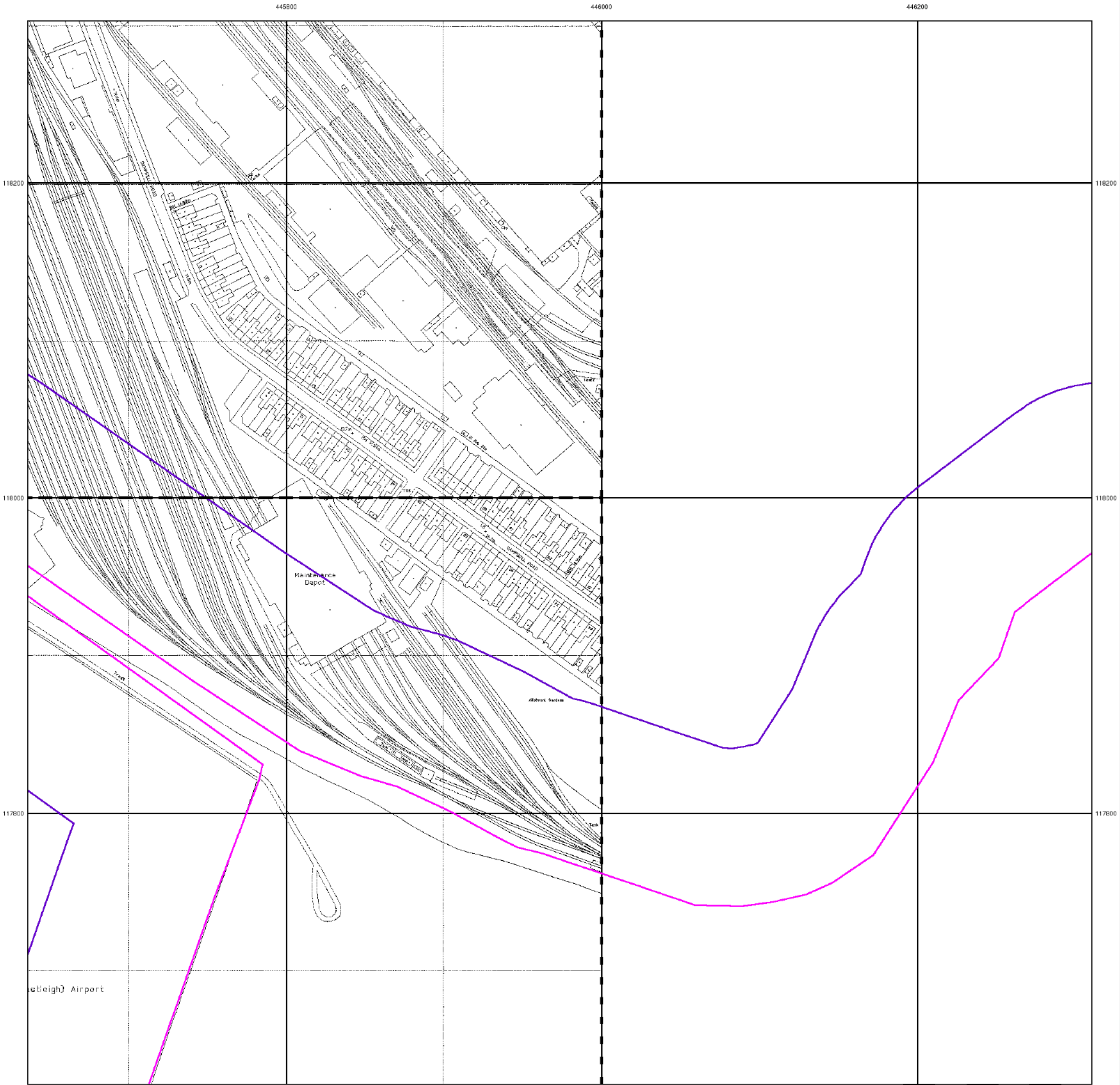

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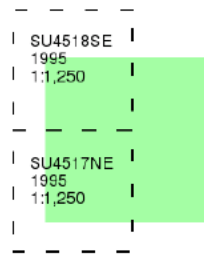
Large-Scale National Grid Data

Published 1995

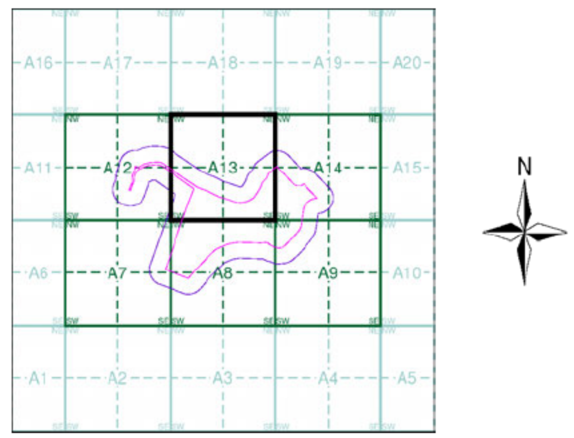
Source map scale - 1:1,250

'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



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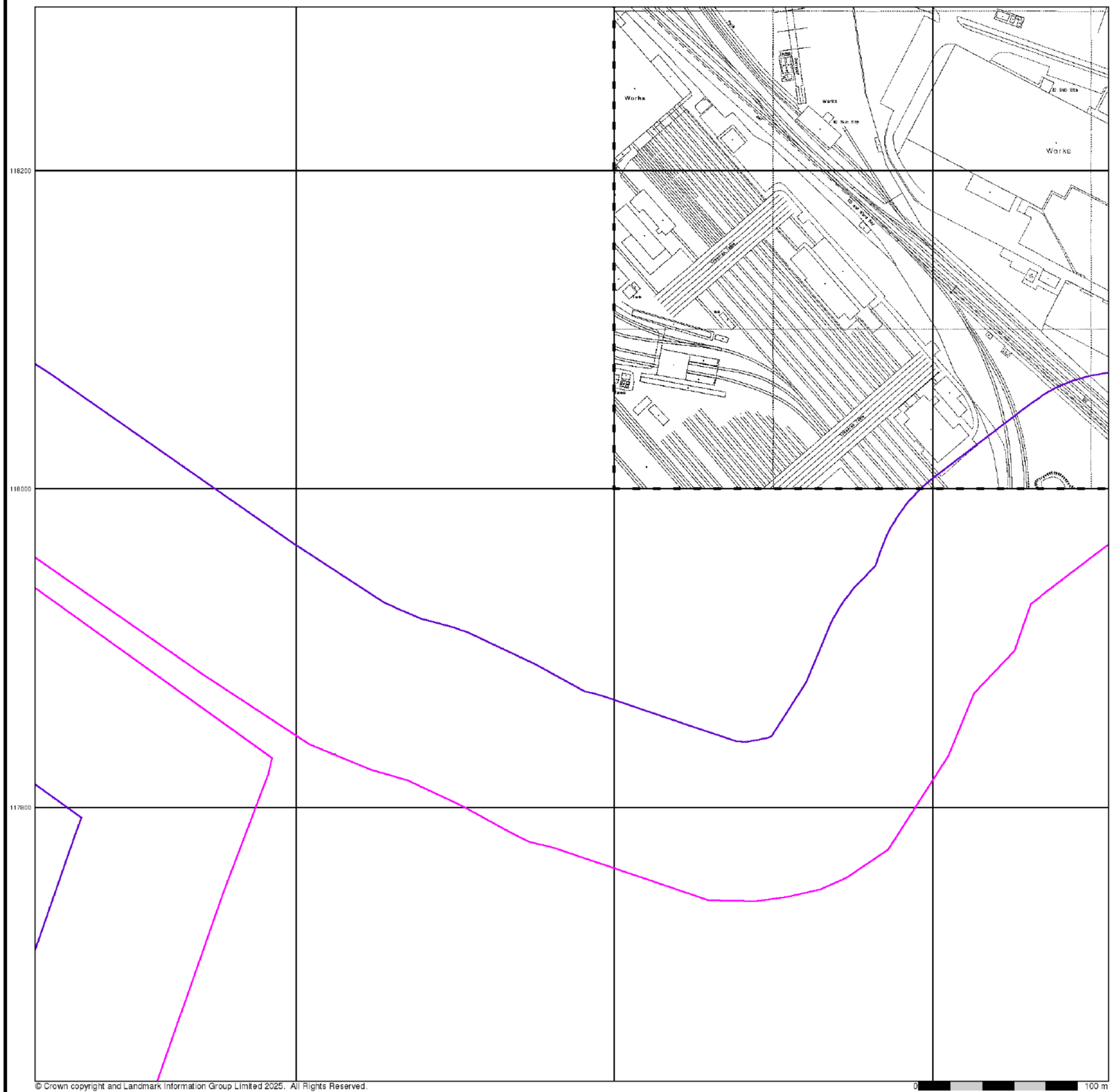

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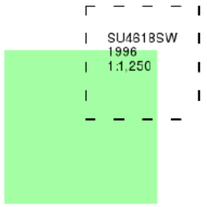
Large-Scale National Grid Data

Published 1996

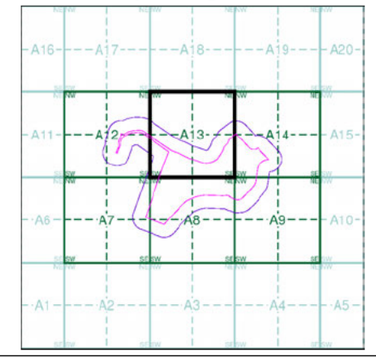
Source map scale - 1:1,250

'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

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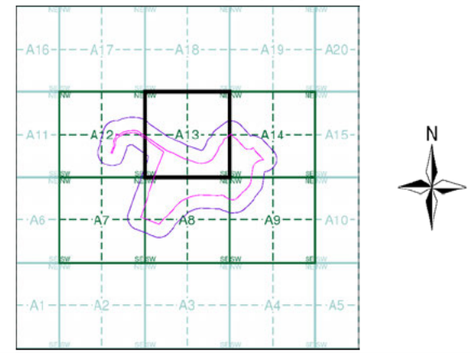
Geo2™

Historical Aerial Photography

Published 1999

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



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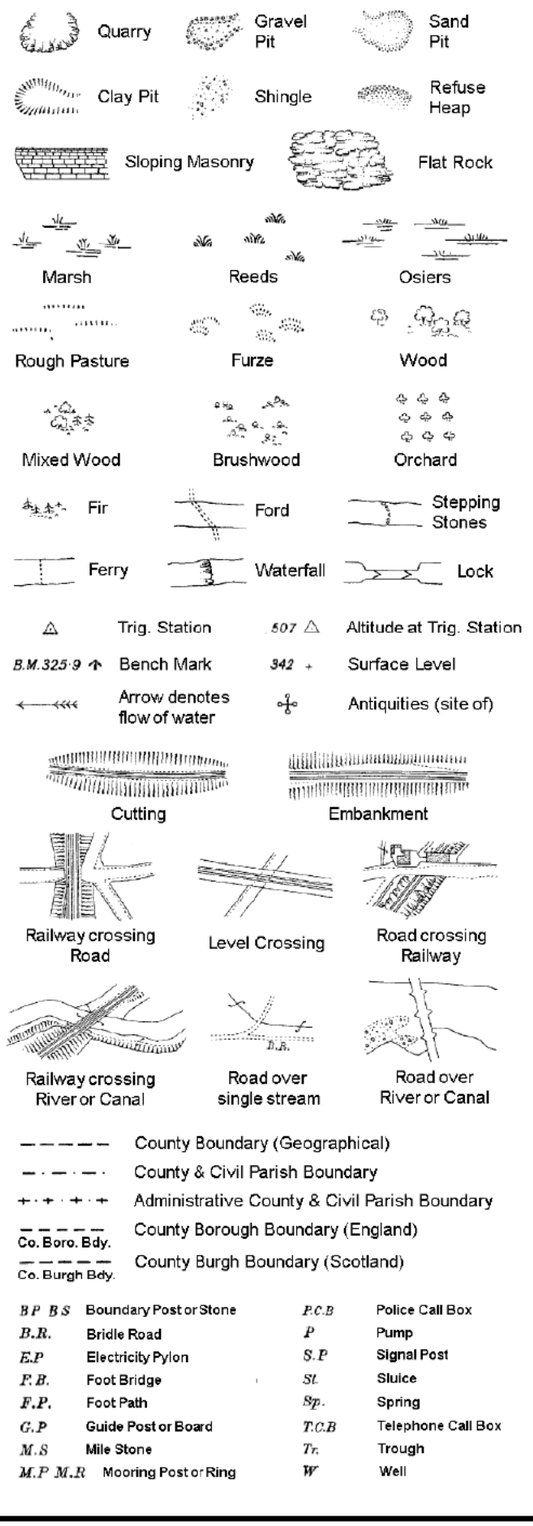
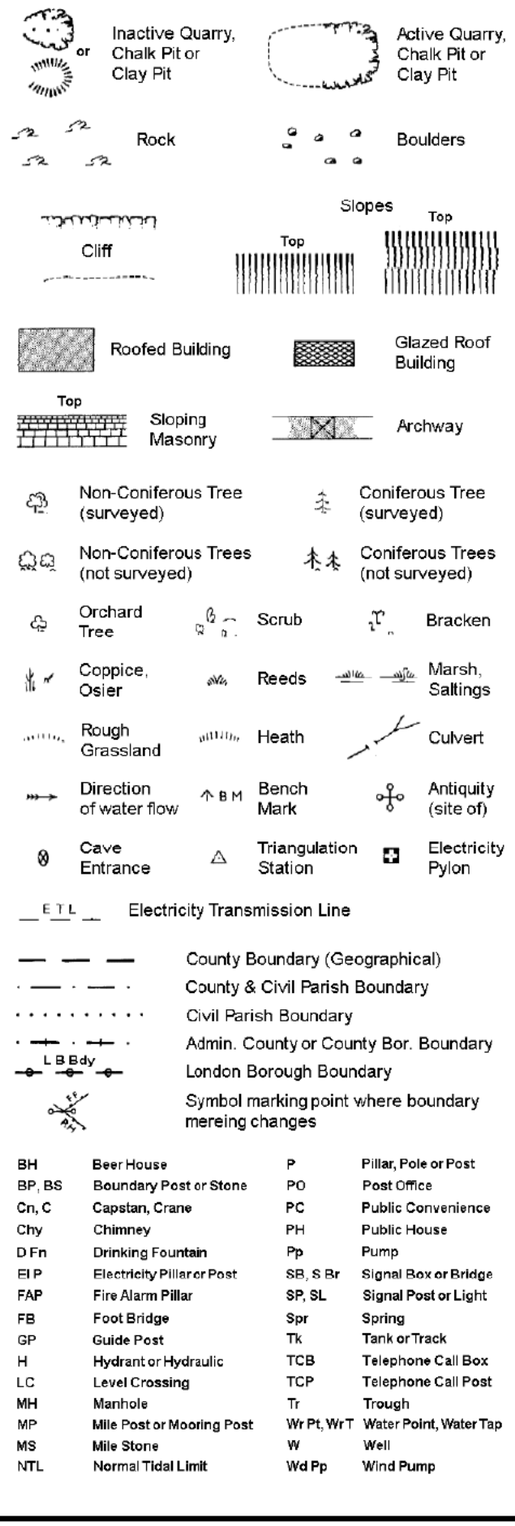
Historical Mapping Legends

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



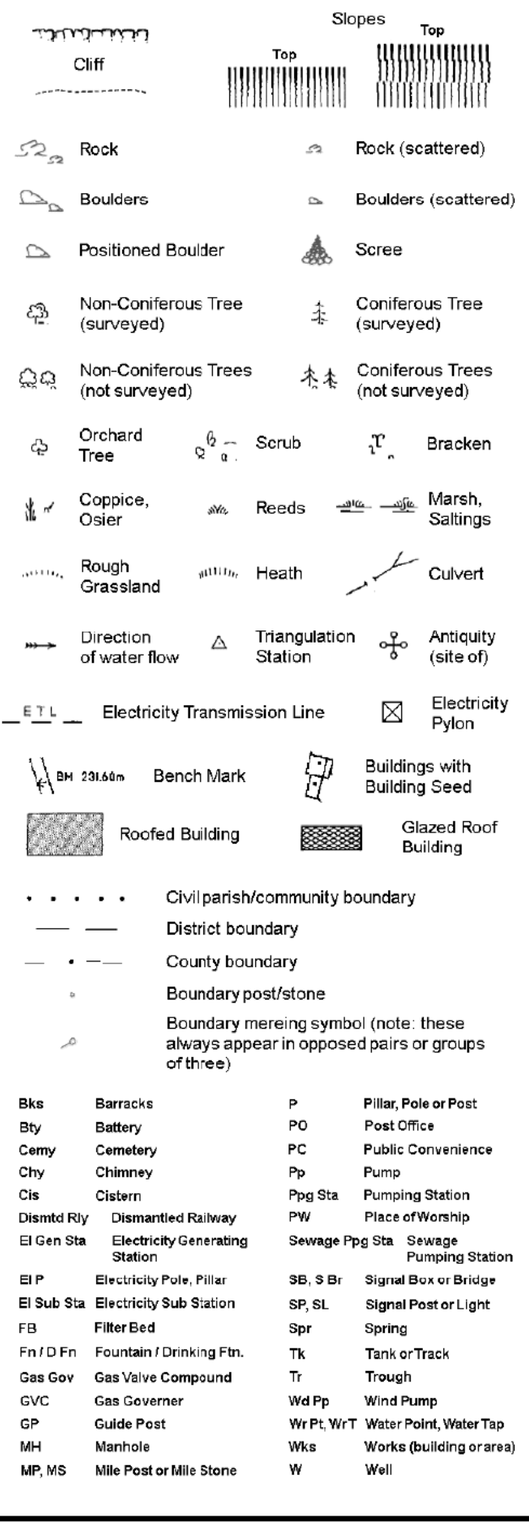
B.P B.S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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



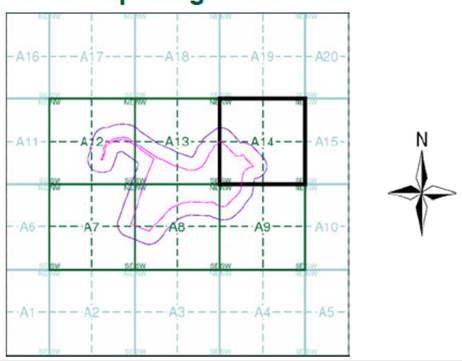
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity 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

Geo2™

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:2,500	1886 - 1890	2
Hampshire & Isle Of Wight	1:2,500	1896	3
Hampshire & Isle Of Wight	1:2,500	1909	4
Hampshire & Isle Of Wight	1:2,500	1941 - 1946	5
Ordnance Survey Plan	1:1,250	1951	6
Ordnance Survey Plan	1:2,500	1963 - 1964	7
Ordnance Survey Plan	1:2,500	1963 - 1964	8
Ordnance Survey Plan	1:1,250	1968 - 1972	9
Additional SIMs	1:1,250	1984 - 1991	10
Additional SIMs	1:1,250	1986	11
Additional SIMs	1:2,500	1988	12
Additional SIMs	1:1,250	1991	13
Large-Scale National Grid Data	1:1,250	1992	14
Large-Scale National Grid Data	1:1,250	1996	15
Historical Aerial Photography	1:2,500	1999	16

Historical Map - Segment A14



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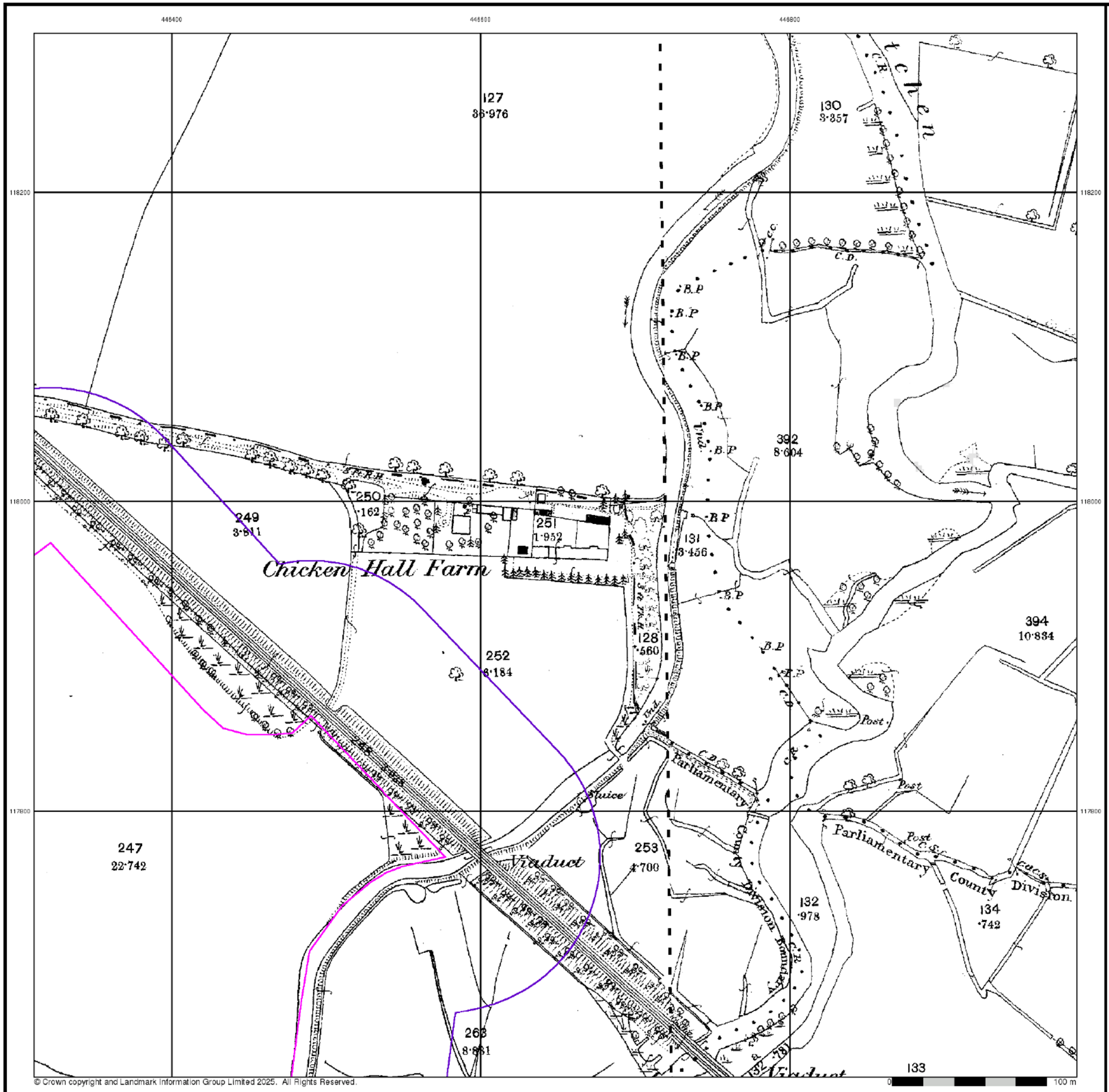

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Geo2™

Hampshire & Isle Of Wight

Published 1886 - 1890

Source map scale - 1:2,500

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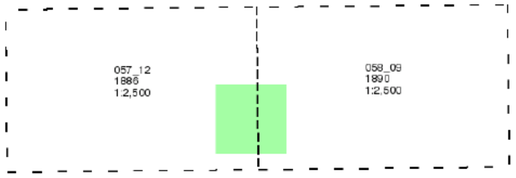
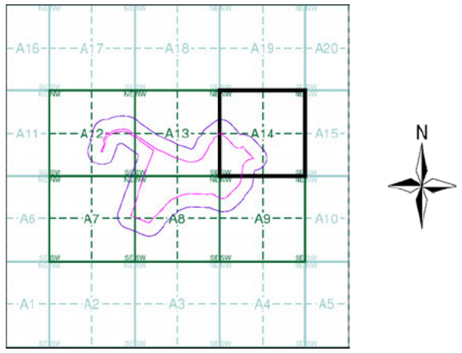


Historical Map - Segment A14



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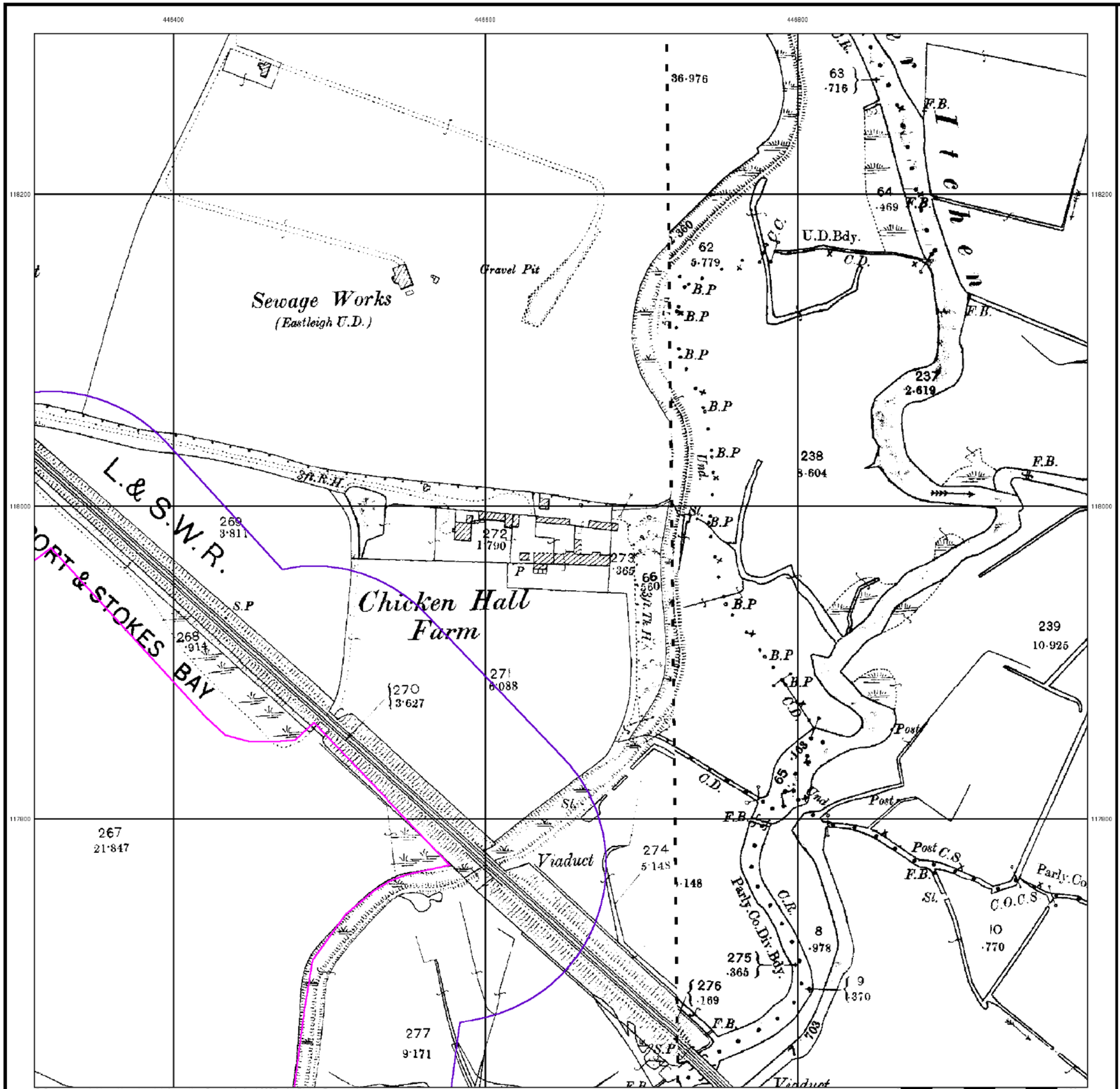

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Geo2™

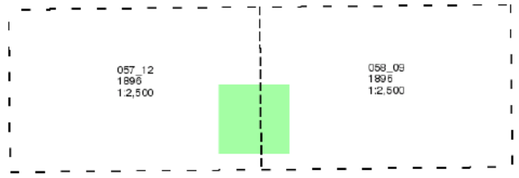
Hampshire & Isle Of Wight

Published 1896

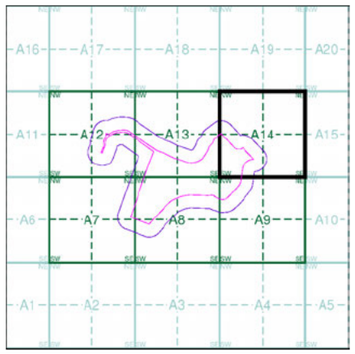
Source map scale - 1:2,500

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:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

Site Details

Mitchell Way, Southampton, SO50 5QJ

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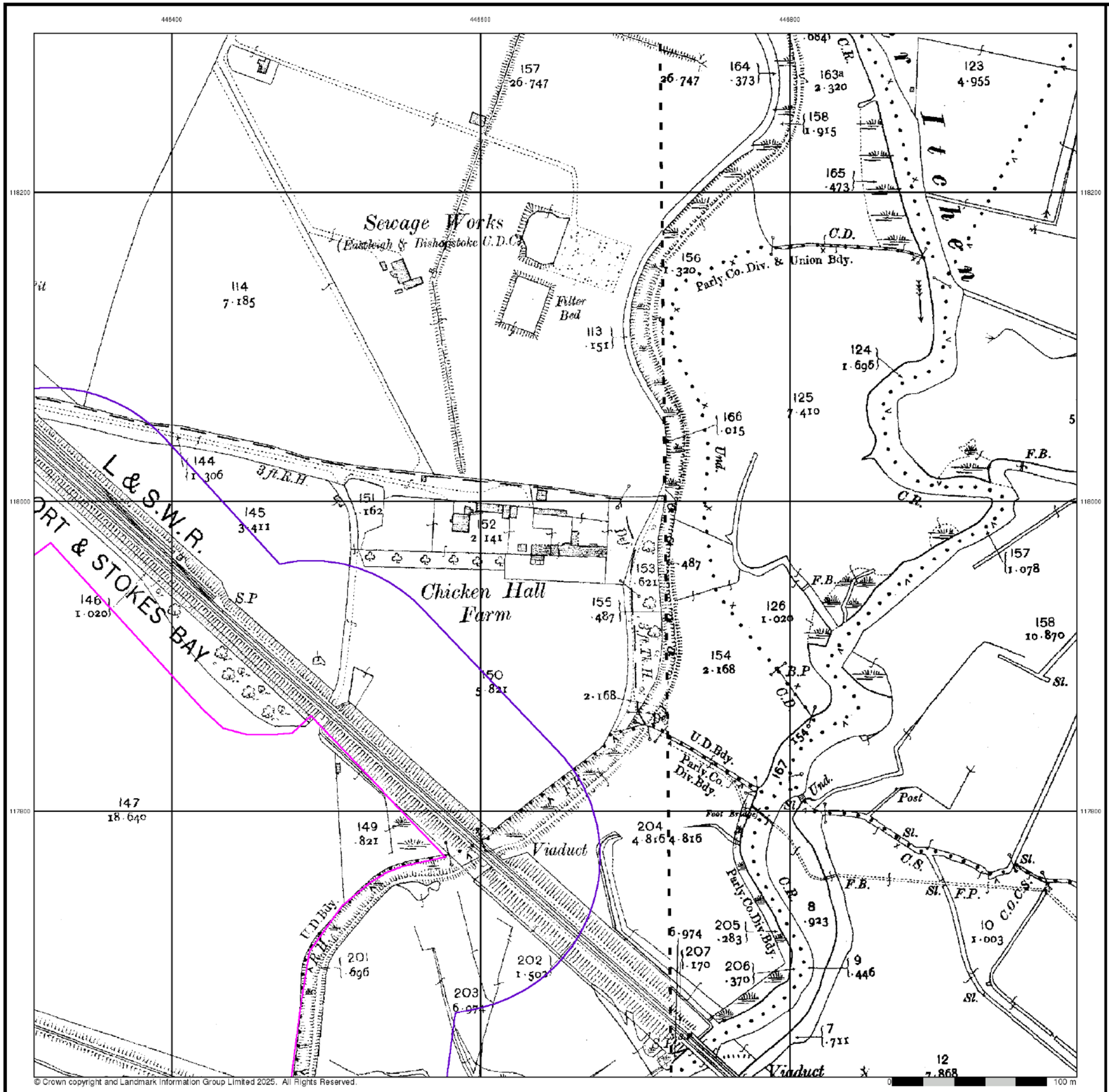


Geo2™

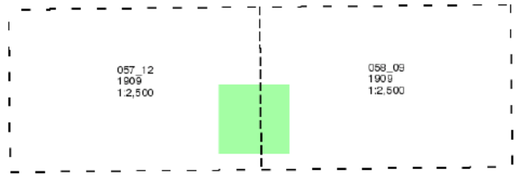
Hampshire & Isle Of Wight

Published 1909

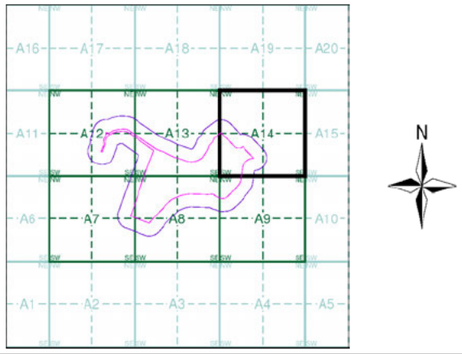
Source map scale - 1:2,500

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



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National Grid Reference:	445940, 117680
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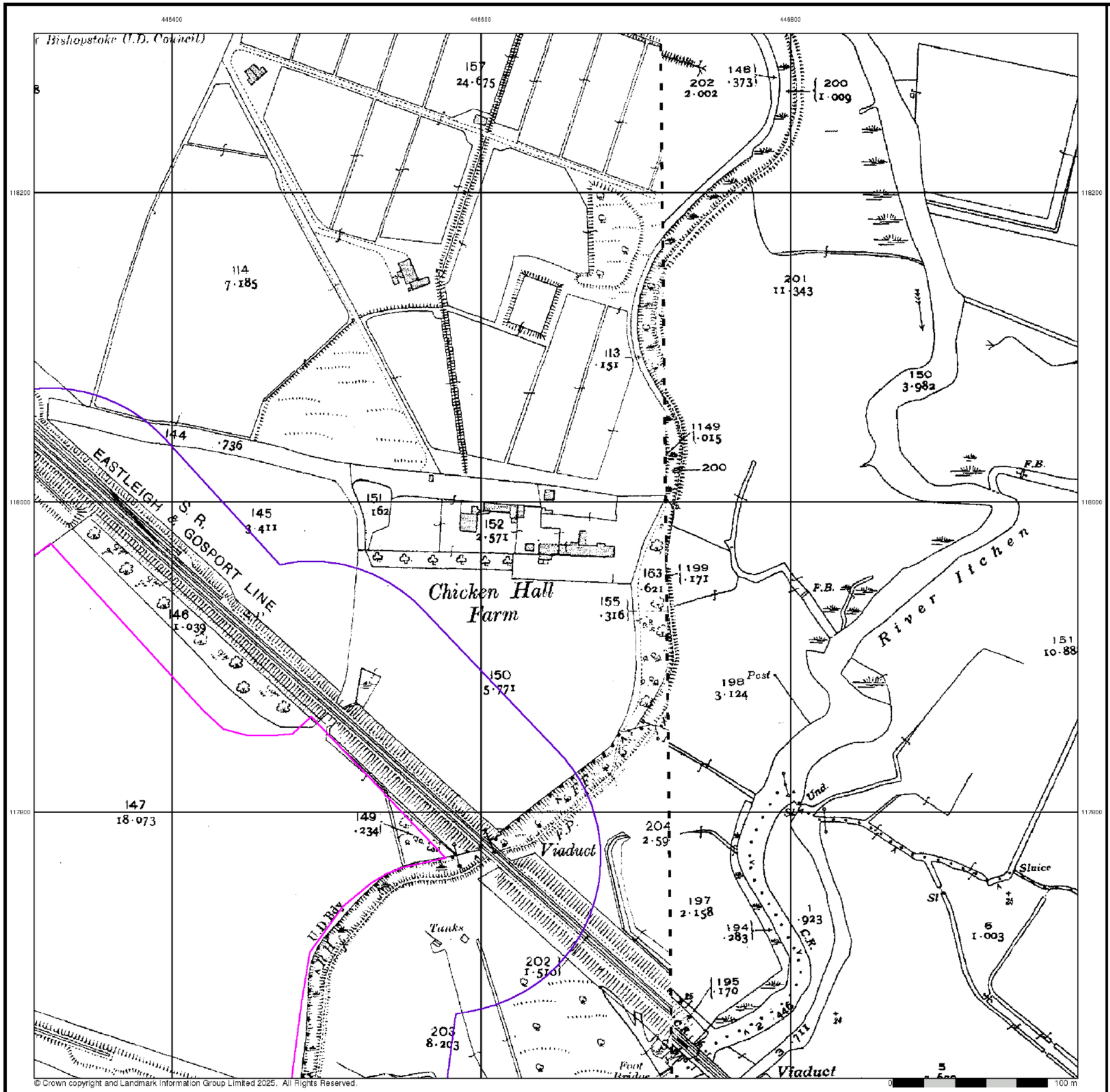

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Geo2™

Hampshire & Isle Of Wight

Published 1941 - 1946

Source map scale - 1:2,500

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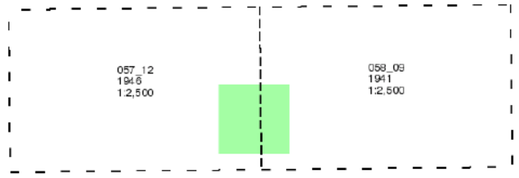
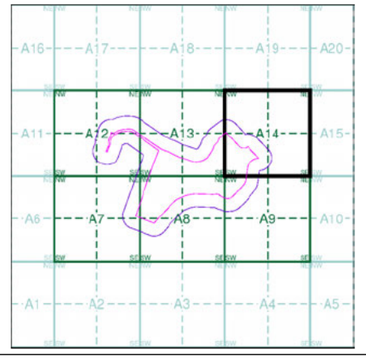
Map Name(s) and Date(s)



Historical Map - Segment A14



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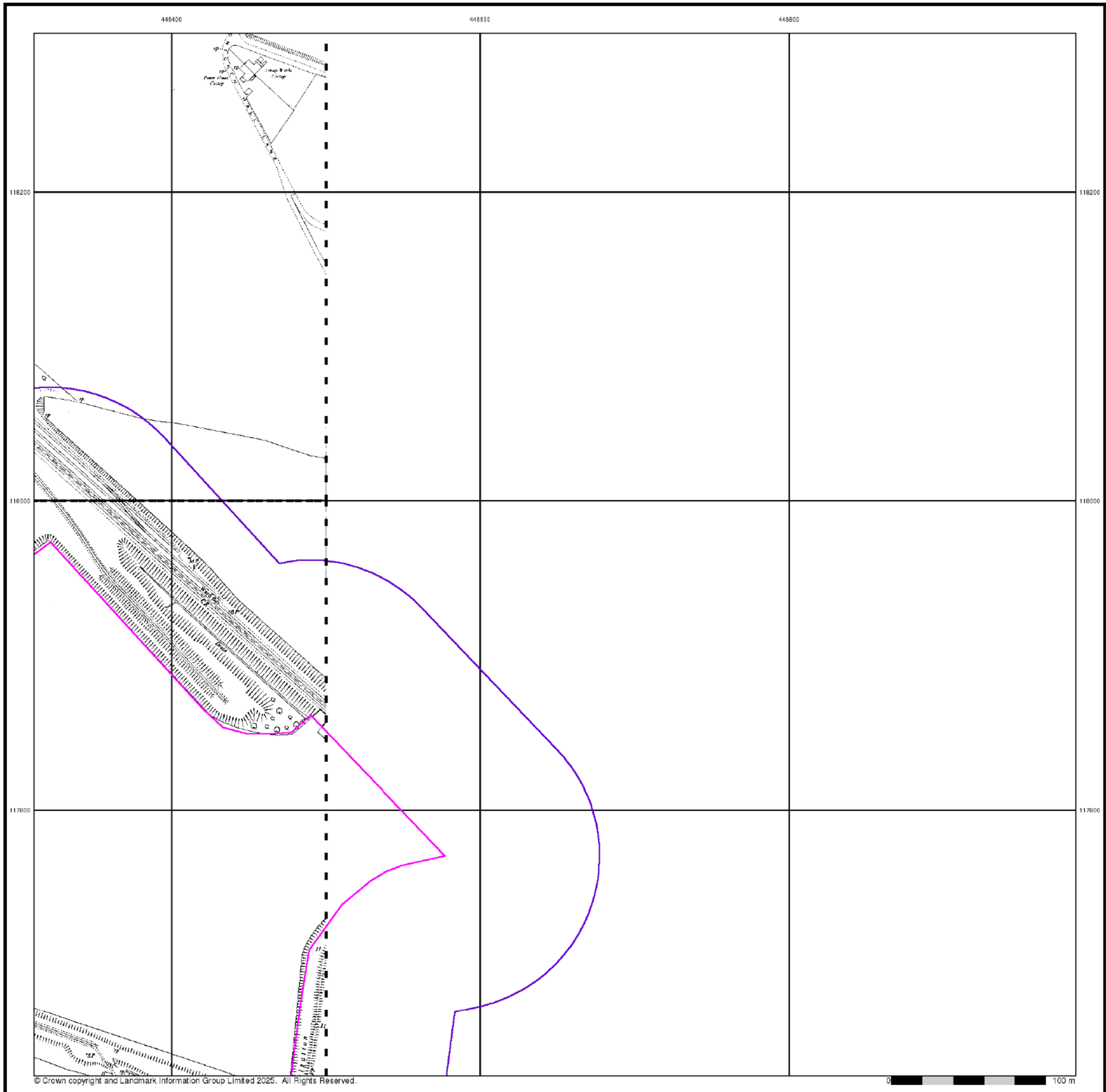

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Geo2™

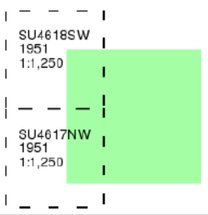
Ordnance Survey Plan

Published 1951

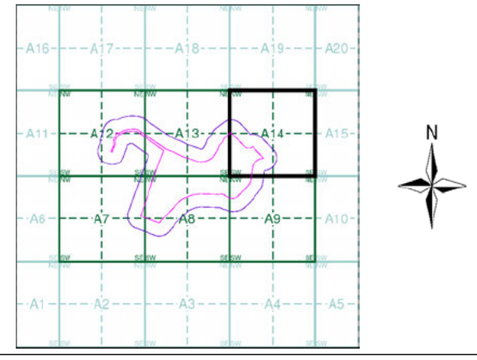
Source map scale - 1:1,250

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)



Historical Map - Segment A14



Order Details

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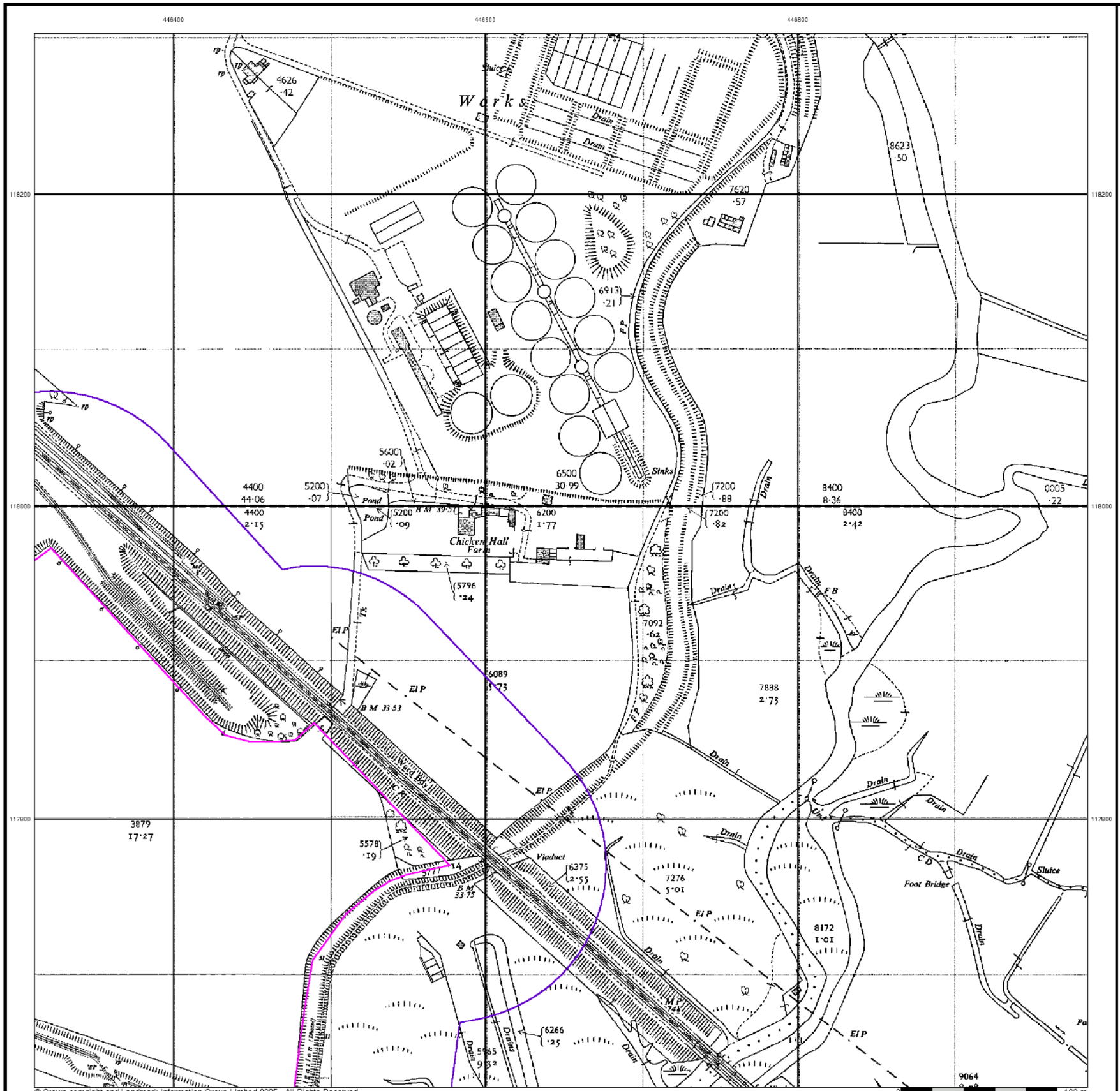

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Geo2™

Ordnance Survey Plan

Published 1963 - 1964

Source map scale - 1:2,500

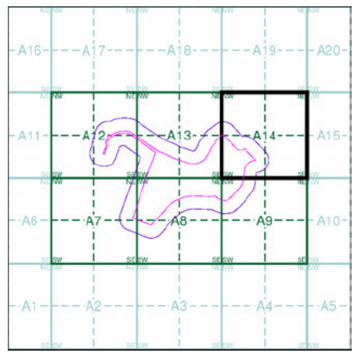
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

SU4618
1964
1:2,500

SU4617
1963
1:2,500

Historical Map - Segment A14



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

Site Details

Mitchell Way, Southampton, SO50 5QJ

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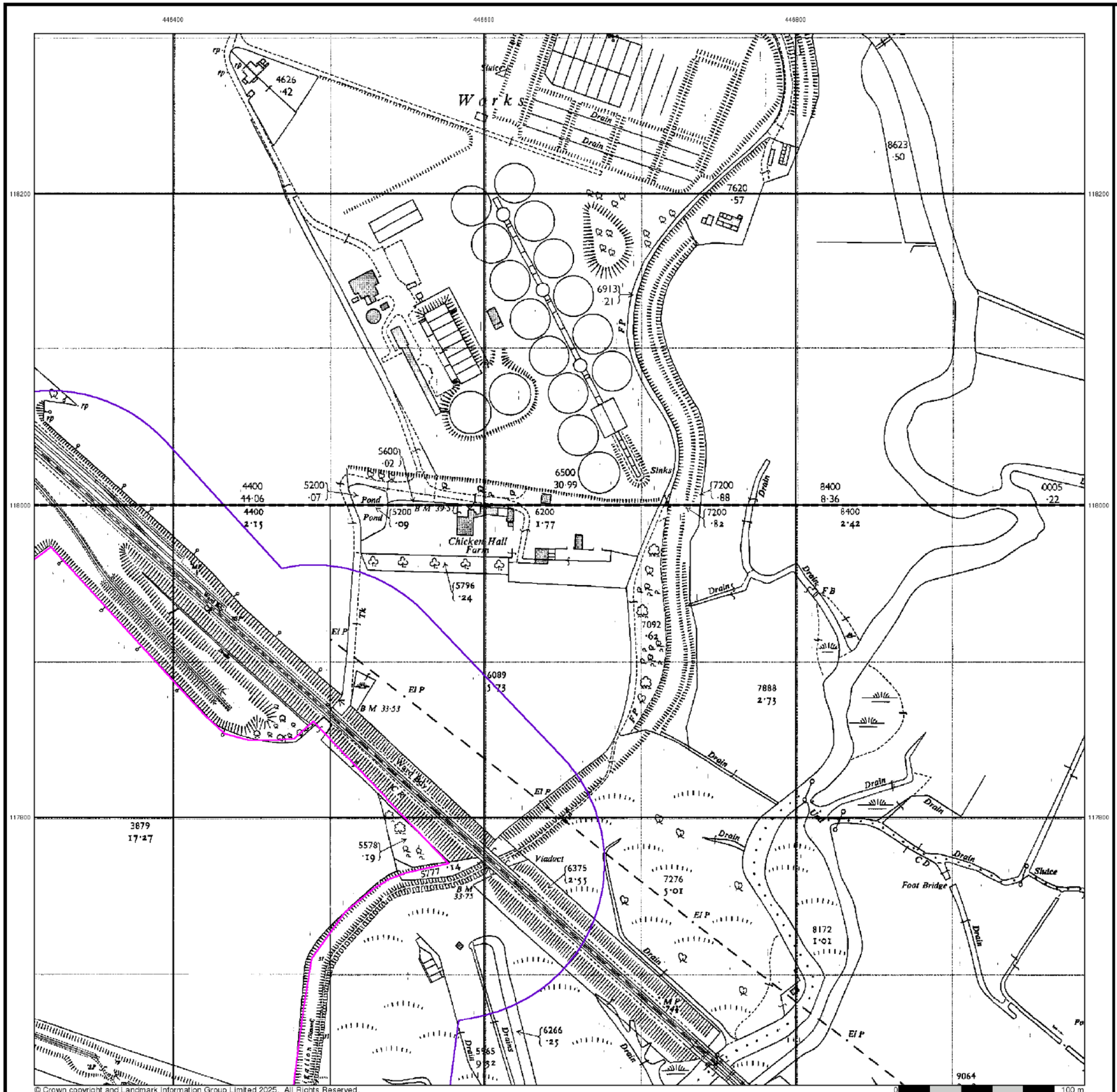

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Geo2™

Ordnance Survey Plan

Published 1963 - 1964

Source map scale - 1:2,500

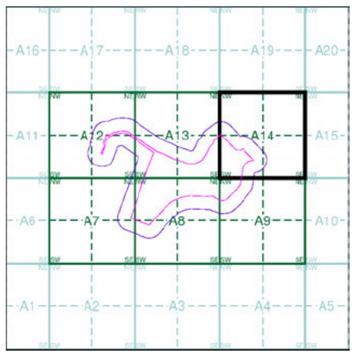
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

SU4618
1964
1:2,500

SU4617
1963
1:2,500

Historical Map - Segment A14



Order Details

Order Number:	366723883_1_1
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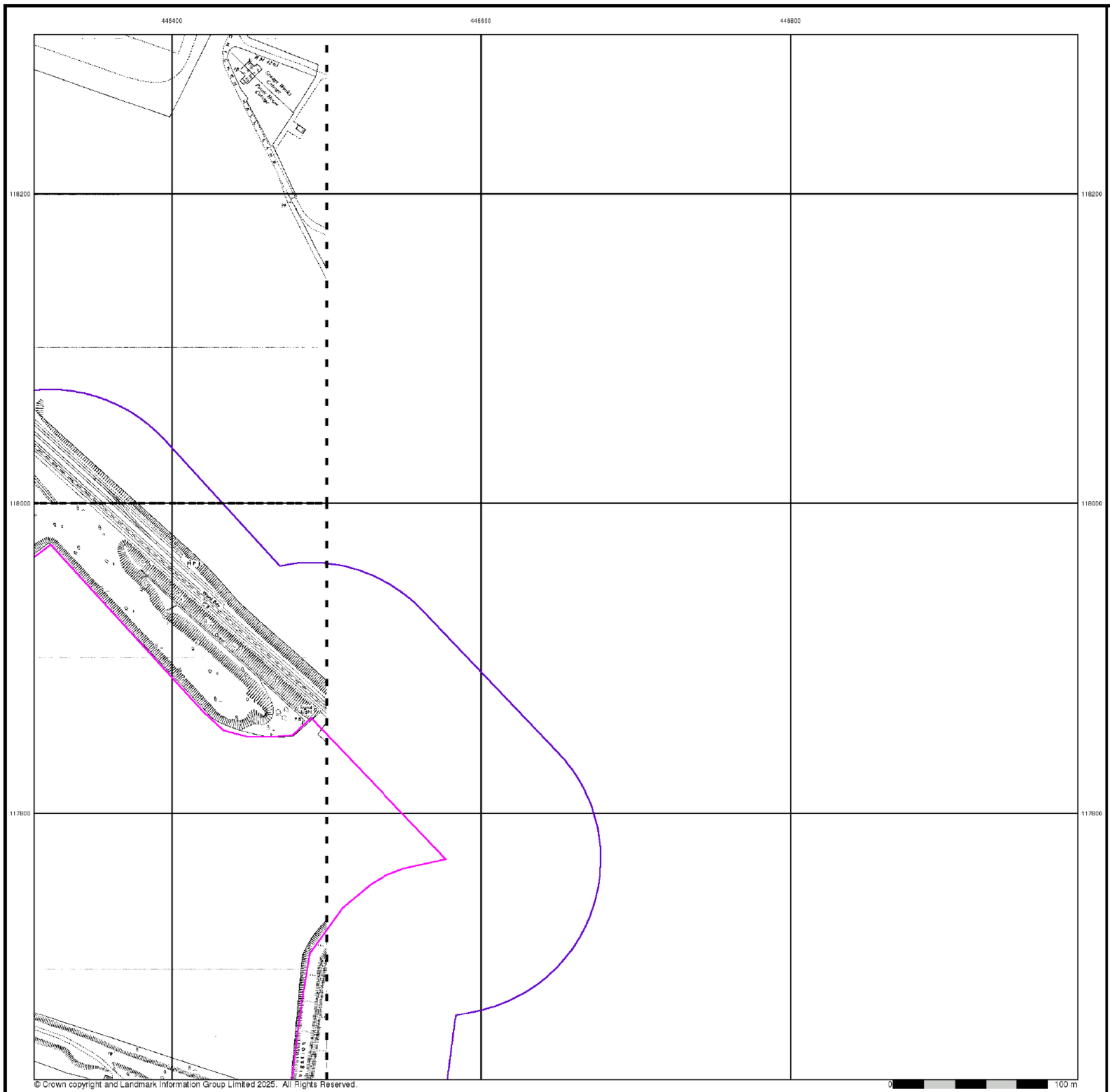

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Geo2™

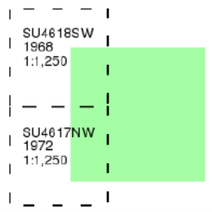
Ordnance Survey Plan

Published 1968 - 1972

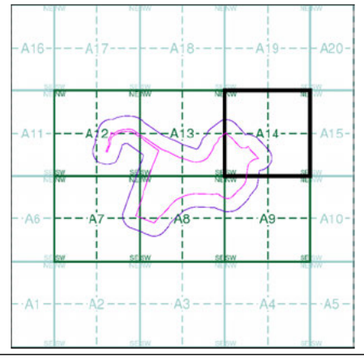
Source map scale - 1:1,250

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 A14



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
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Slice:	A
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Search Buffer (m):	100

Site Details

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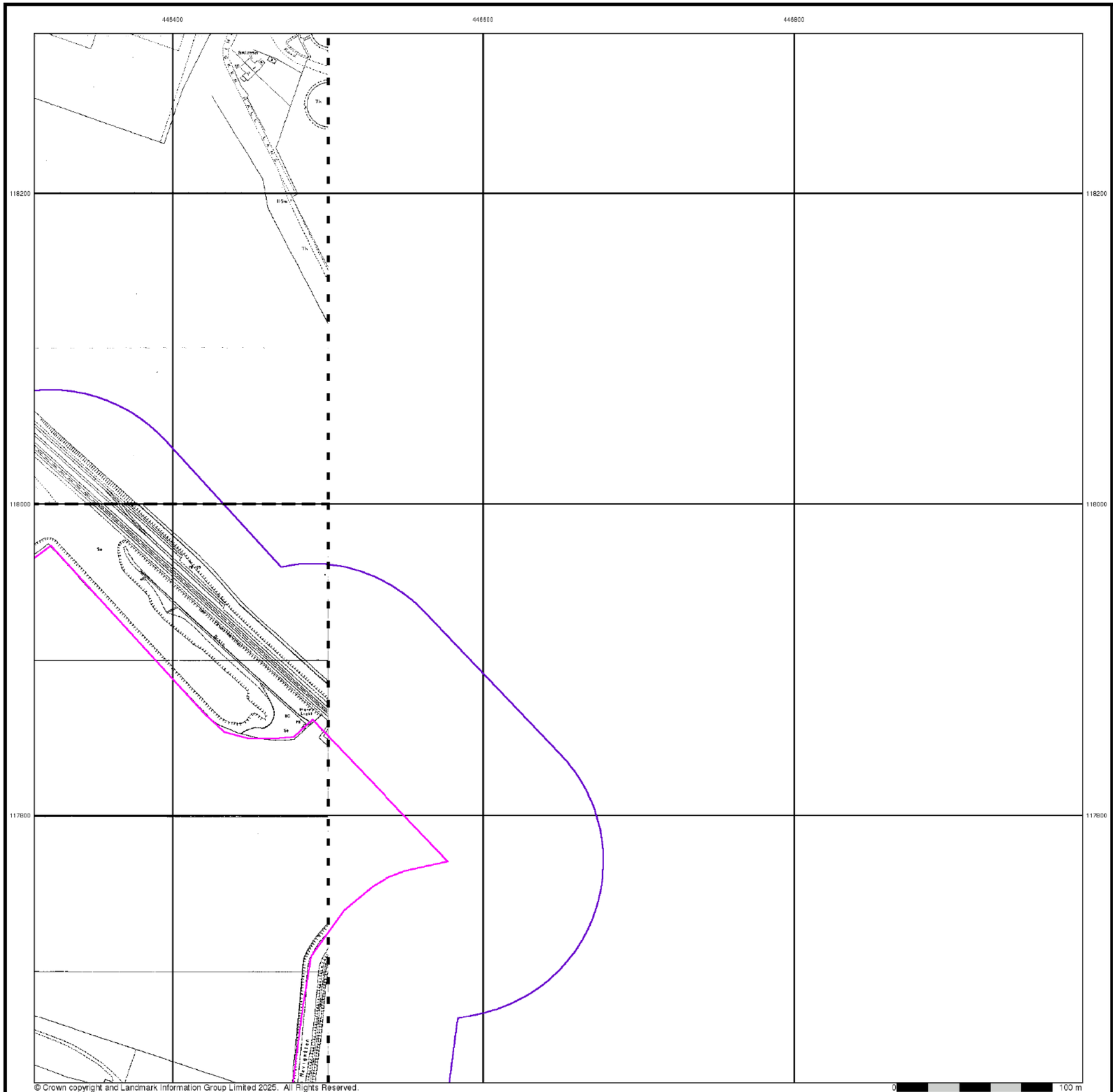

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Geo2™

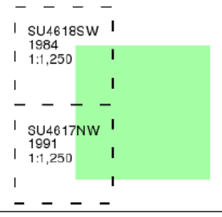
Additional SIMs

Published 1984 - 1991

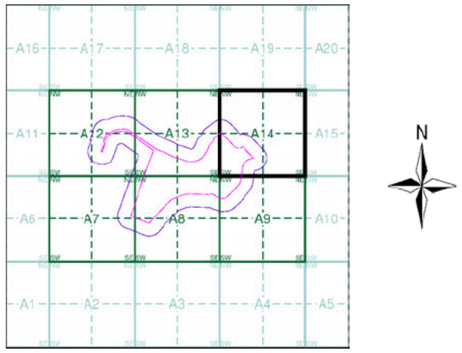
Source map scale - 1:1,250

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)



Historical Map - Segment A14



Order Details

Order Number:	366723883_1_1
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National Grid Reference:	445940, 117680
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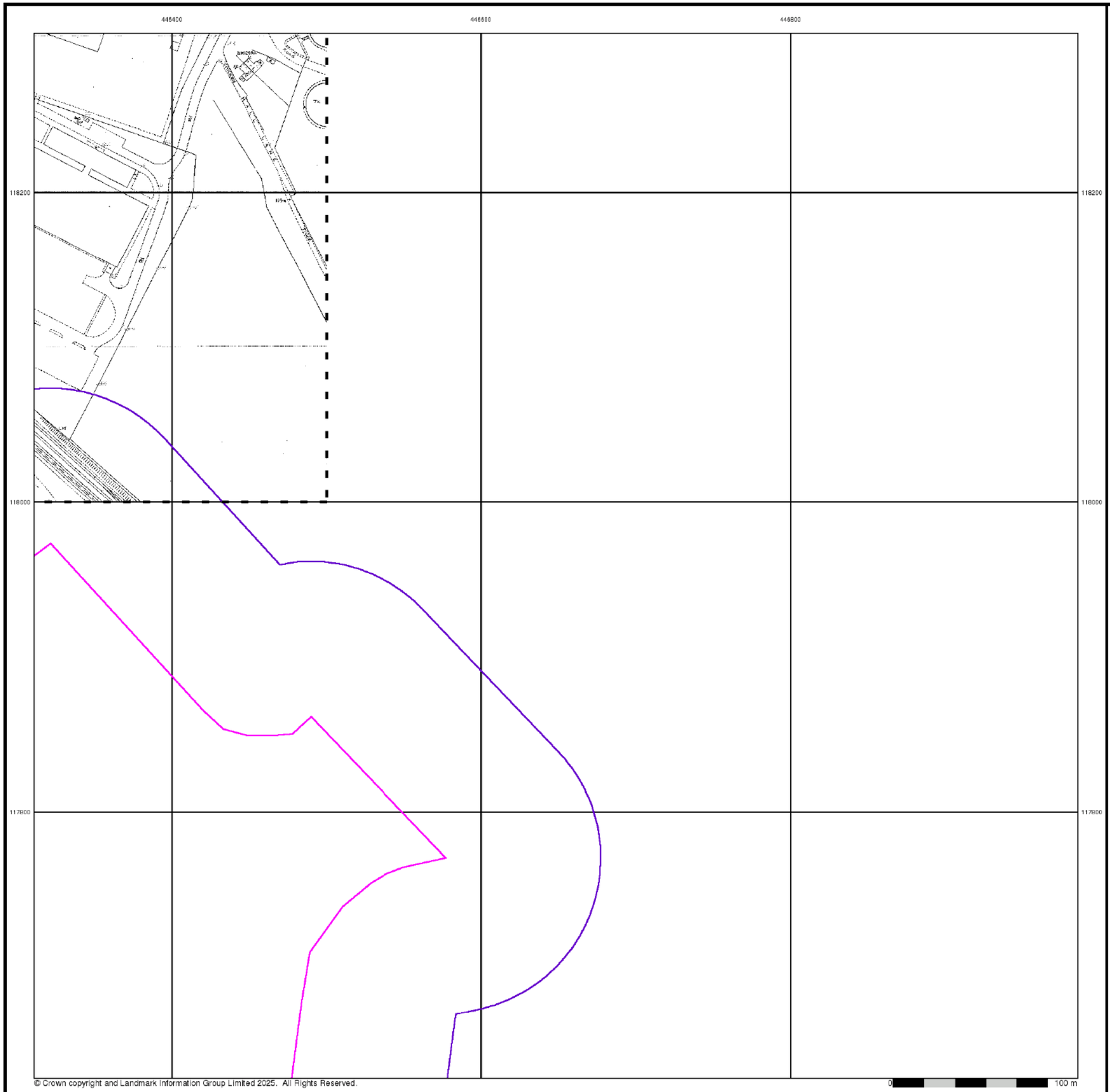

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Geo2™

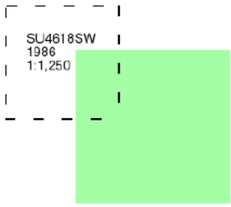
Additional SIMs

Published 1986

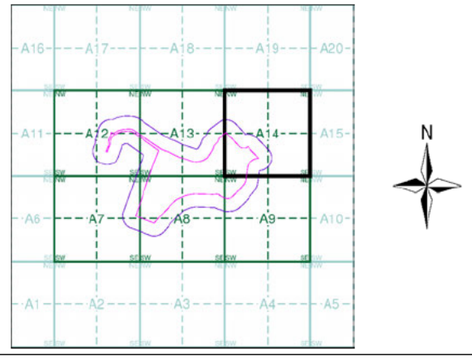
Source map scale - 1:1,250

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)



Historical Map - Segment A14



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
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Geo2™

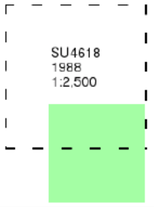
Additional SIMs

Published 1988

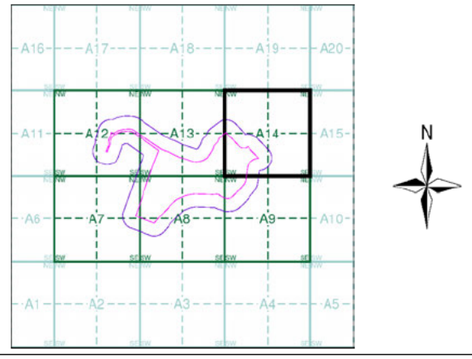
Source map scale - 1:2,500

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



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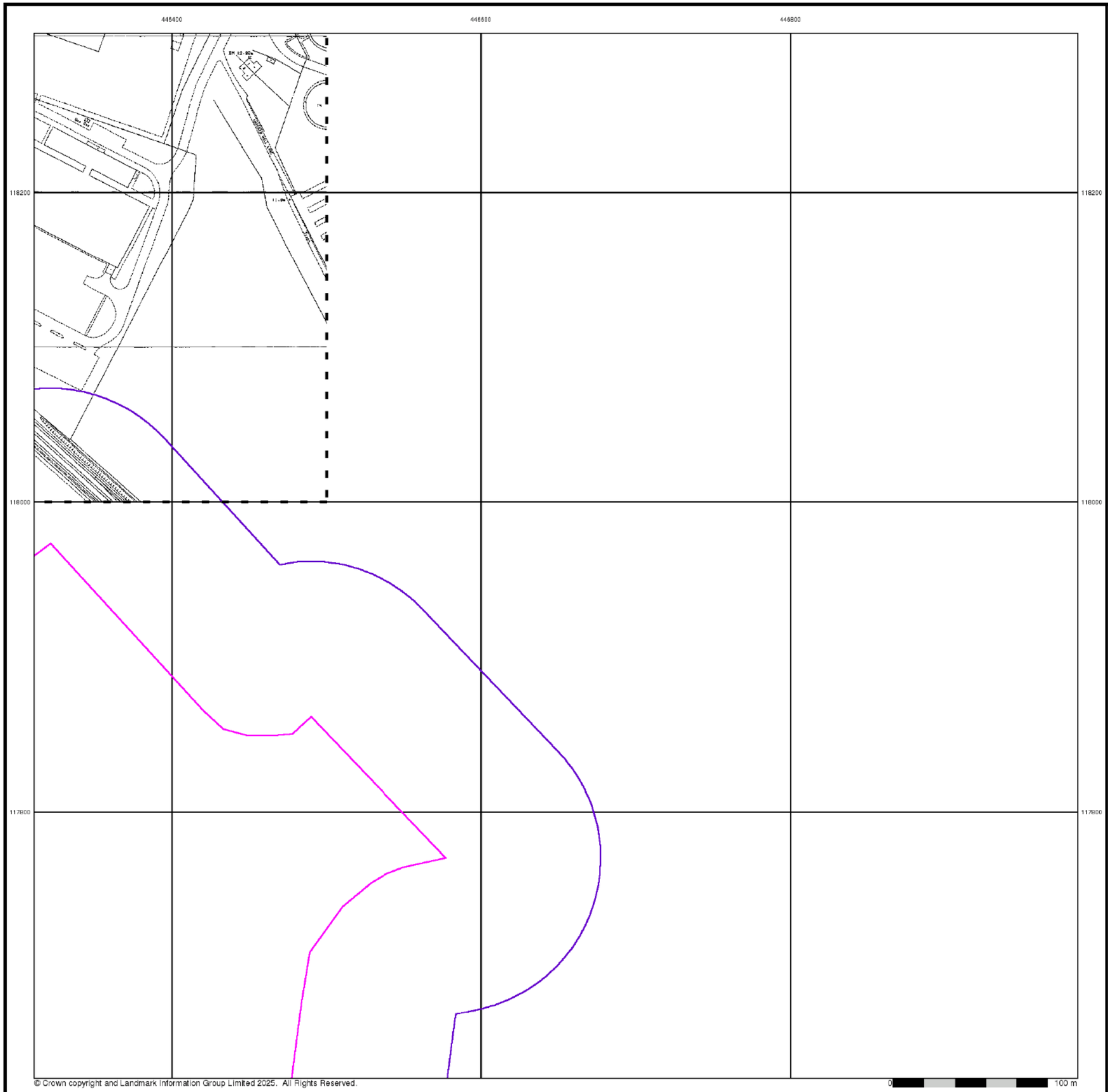

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Geo2™

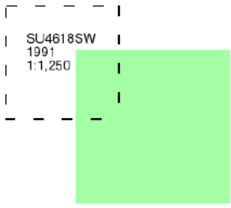
Additional SIMs

Published 1991

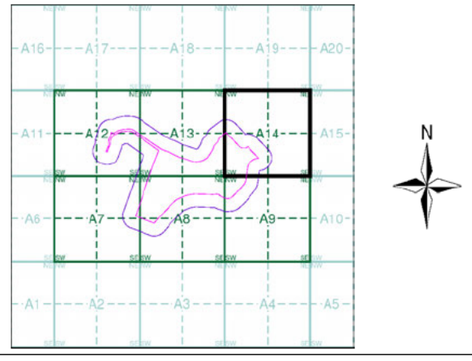
Source map scale - 1:1,250

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)



Historical Map - Segment A14



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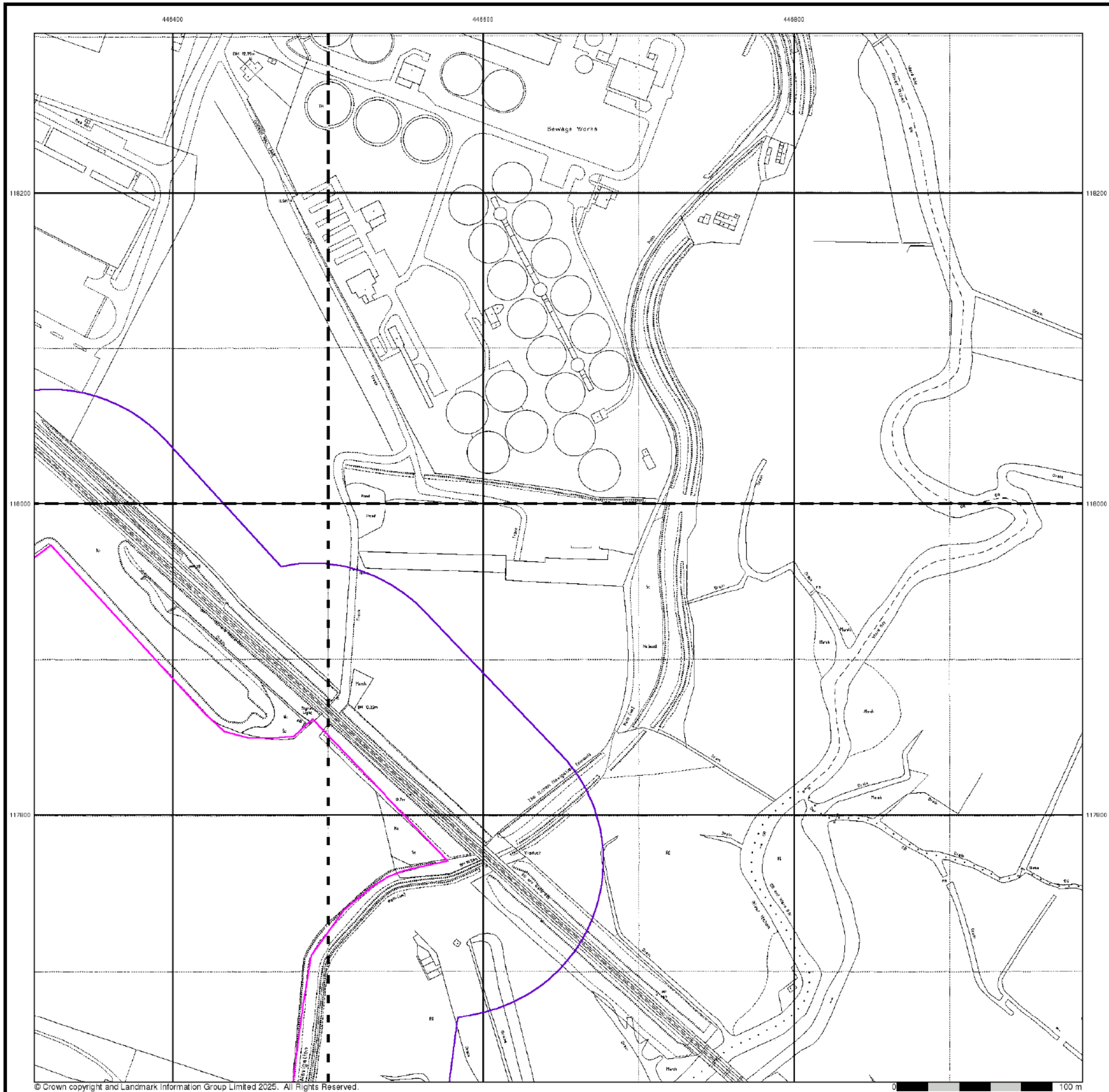

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Geo2™

Large-Scale National Grid Data

Published 1992

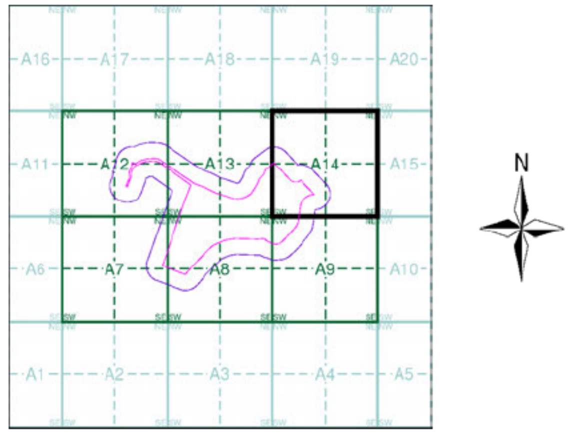
Source map scale - 1:1,250

'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)

SU4618SW 1992 1:1,250	SU4618SE 1992 1:1,250
SU4617NW 1992 1:1,250	SU4617NE 1992 1:1,250

Historical Map - Segment A14



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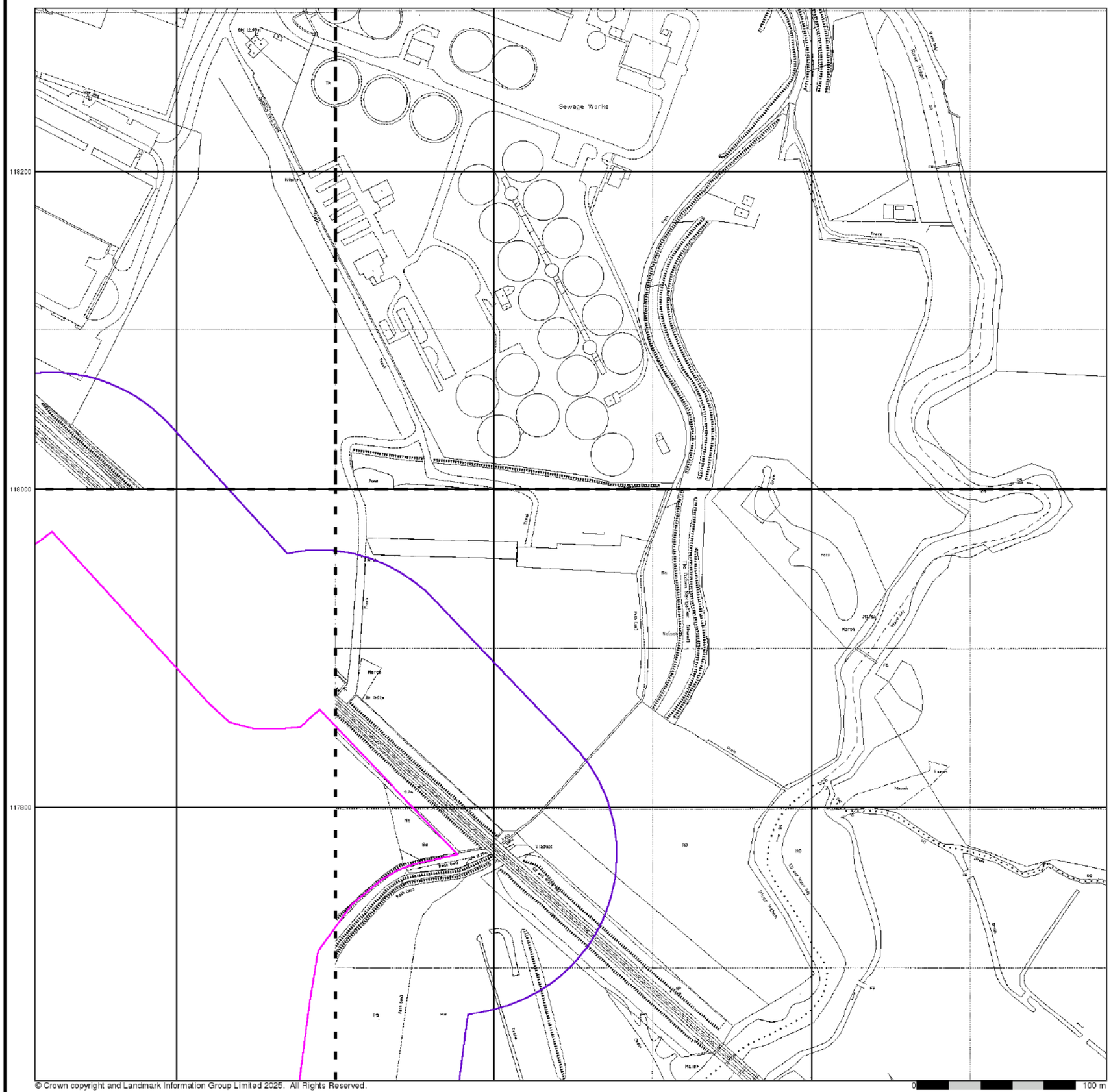
Customer Ref: 4362
National Grid Reference: 445940, 117680
Slice: A
Site Area (Ha): 32.62
Search Buffer (m): 100

Site Details

Mitchell Way, Southampton, SO50 5QJ

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



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Geo2™

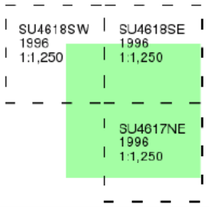
Large-Scale National Grid Data

Published 1996

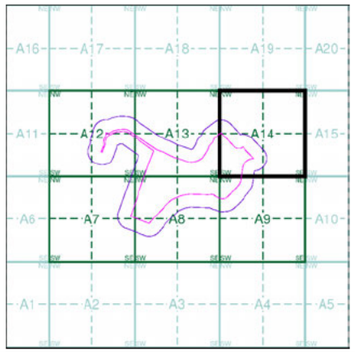
Source map scale - 1:1,250

'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 A14



Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

Site Details

Mitchell Way, Southampton, SO50 5QJ

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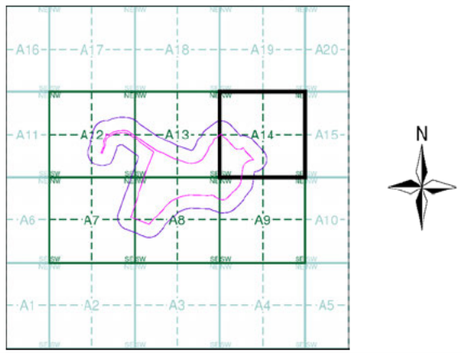
Historical Aerial Photography

Published 1999

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

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	445940, 117680
Slice:	A
Site Area (Ha):	32.62
Search Buffer (m):	100

Site Details

Mitchell Way, Southampton, SO50 5QJ

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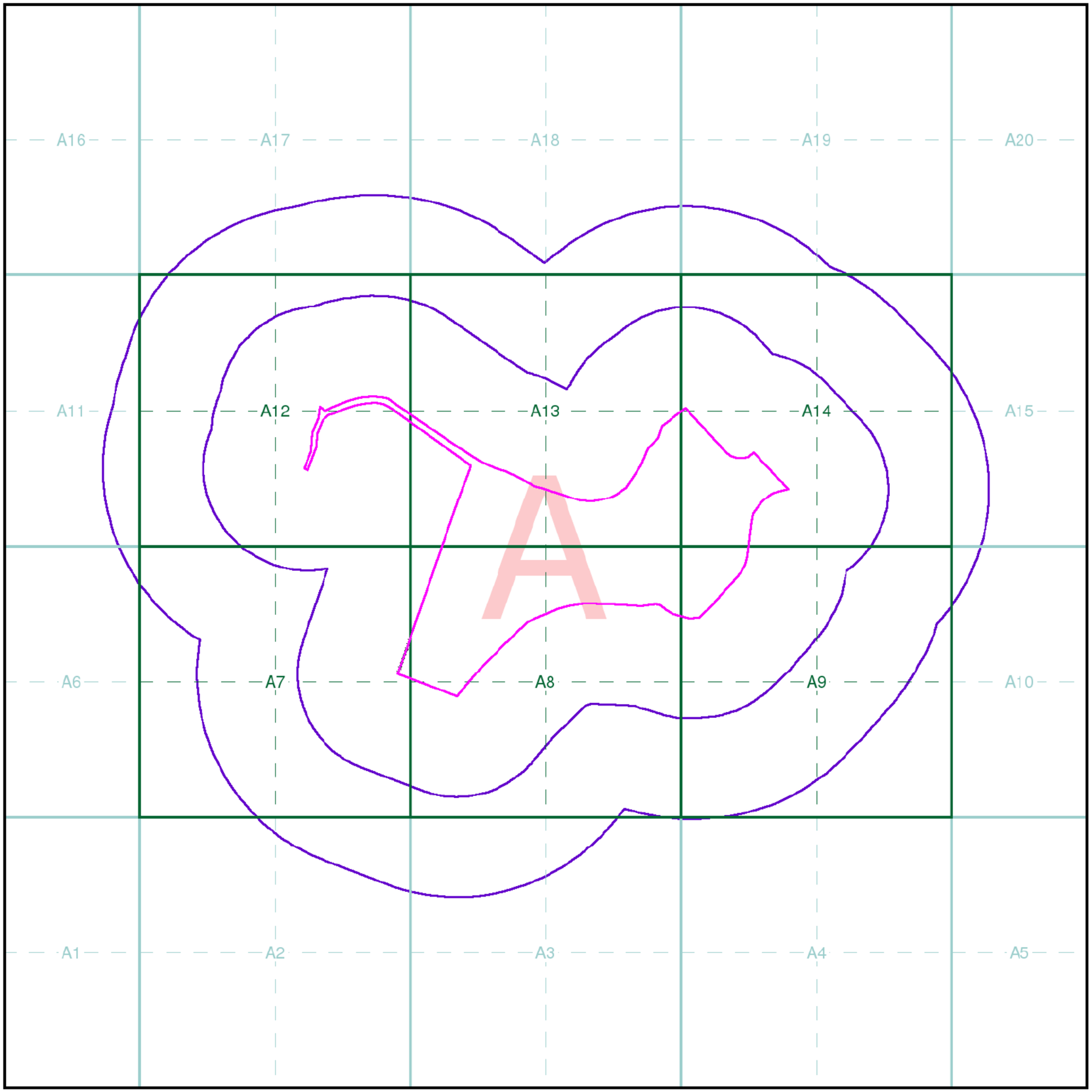

Geo2™

Index Map

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

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

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

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

A selection of organisations who provide data within this report:

Map data
British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Environment Agency
NATURAL ENGLAND

Envirocheck reports are compiled from 136 different sources of data.

Client Details

Mr A Wilson, Geo2 Remediation Ltd, Coniston House, Louisa Street, Bradford, West Yorkshire, BD10 8NE

Order Details

Order Number:	366723883_1_1
Customer Ref:	4362
National Grid Reference:	446060, 117630
Site Area (Ha):	32.62
Search Buffer (m):	500

Site Details

Mitchell Way, Southampton, SO50 5QJ

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

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Appendix D – Risk Assessment Terminology

Definitions and Classifications of Risk Assessment Terminology.

Probability

Probability can be defined as the chance of a particular event occurring in a given period of time.

Descriptions of each of the four qualitative terms to be use in this report to describe the perceived probability of any identified pollutant linkage becoming realised are shown below in Table W.

Term	Description
High Likelihood	There is pollutant linkage and an event would appear 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 pollutant 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 pollutant linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a long period such an event would take place, and is less likely in the shorter term.
Unlikely	There is pollutant linkage but circumstances are such that it is improbable that an event would occur even in the very long-term.

Table W. Description of Probability Classifications

Severity

Severity (consequence) can be defined as the adverse effects (or harm) arising from a defined hazard, which impairs the quality of human health or the environment in the short or longer term.

Descriptions of each of the four qualitative terms to be use in this report to describe the perceived potential severity of any identified pollutant linkage becoming realised are shown below in Table X.

Term	Description
Severe	Highly elevated concentrations **likely** to result in "significant harm" to human health as defined by the EPA 1990, Part 2A, if exposure occurs. Equivalent to **EA Category 1** pollution incident including persistent and/or extensive effects on water quality; leading to closure of a potable abstraction point; major impact on amenity value or major damage to agriculture or commerce. Major damage to aquatic or other ecosystems, which is likely to result in a substantial adverse change in its functioning or harm to a species of special interest that endangers the long-term maintenance of the population. Catastrophic damage to crops, buildings or property.
Medium	Elevated concentrations which could result in "significant harm" to human health as defined by the EPA 1990, Part 2A if exposure occurs. Equivalent to **EA Category 2** pollution incident including significant effect on water quality; notification required to abstractors; reduction in amenity value or significant damage to agriculture or commerce. Significant damage to aquatic or other ecosystems, which may result in a substantial adverse change in its functioning or harm to a species of special interest that may endanger the long-term maintenance of the population. Significant damage to crops, buildings or property.
Mild	Exposure to human health **unlikely** to lead to "significant harm". Equivalent to **EA Category 3** pollution incident including minimal or short-lived effect on water quality; marginal effect on amenity value, agriculture or commerce. Minor or short-lived damage to aquatic or other ecosystems, which is unlikely to result in a substantial adverse change in its functioning or harm to a species of special interest that would endanger the long-term maintenance of the population. Minor damage to crops, buildings or property.
Minor	No measurable effect on humans. Equivalent to insubstantial pollution incident with no observed effect on water quality or ecosystems. Repairable effects of damage to buildings, structures and services.

Table X. Description of Severity Classifications

Once the severity and probability of a pollutant linkage has been determined the risk can be assessed using the risk matrix shown overleaf on Table Y.

Risk Matrix

By cross referencing the derived severity and probability in Table Y, below the perceived potential risk can be determined.

		Severity			
		Severe	Medium	Mild	Minor
Probability	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

Table Y. Risk Assessment Matrix

The risk categories detailed above are defined below in the following Table Z.

Term	Description
Very High Risk	There is a high probability that significant harm could arise to a designated receptor from an identified hazard at the site without appropriate remedial action.
High Risk	Significant harm is likely to arise to a designated receptor from an identified hazard at the site without appropriate remedial action.
Moderate Risk	It is possible that without appropriate remedial action, harm could arise to a designated receptor but it is relatively unlikely that any such harm would be severe and if any harm were to occur, it is likely that such harm would be relatively mild.
Low Risk	It is possible that significant harm could arise to a designated receptor from an identified hazard but it is likely that at worst this harm if realised would normally be mild.
Very Low Risk	There is a low possibility that harm could arise to a receptor. In the event of such harm being realised, it is not likely to be severe.

Table Z. Definition of Risk

Appendix E - Council Enquiry Response

Thank you for your request, dated 30/01/2025, for the site known as land of Mitchell Way, SO50 5QJ, which is defined by the boundary line shown on plan provided and attached to this response. Our pollution team have reviewed their files, and would like to make the following response:

At the time of writing, the above site nor any property / land adjoining the enquiry site have not been determined to meet the statutory definition of 'Contaminated Land' as defined in Part IIA of the Environmental Protection Act 1990.

This Service can confirm that we currently have no plans to investigate this land in connection with the above legislation.

This response is based upon the information available to the Planning and Environment – Pollution Control Service at the time of writing and if new information becomes known, we may review the status of the land.

APPENDIX D – DRAINAGE STRATEGY

THIS DRAWING IS THE COPYRIGHT OF BURROWS GRAHAM LIMITED.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING

CONSTRUCTION

MAINTENANCE

DEMOLITION

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT

GENERAL NOTES:

1. This drawing shall be read in conjunction with all the relevant architects, engineers' and service engineers drawings & specifications.
2. All units in millimeters U.O.N. on the drawing.
3. Do Not Scale off the drawing.

LEGEND

- Surface Water Drainage
- Highway Drainage
- Plot Boundary
- Site Boundary

Unit 16 68.5 x 20 x 1.2m Attenuation Tank to provide a storage volume of 1,560m³

Unit 16 Flow Control Chamber. Surface water to be restricted to a flow rate of 5l/s

Southern Plot to outfall into new highway works

Southern Plot surface water to be restricted to a flow rate of 29.22l/s

Unit 4 Attenuation Pond to provide a storage volume of 365m³

Unit 4 Flow Control Chamber. Surface water to be restricted to a flow rate of 2.5l/s

Unit 6 Attenuation Pond to provide a storage volume of 330m³

Unit 15 68.5 x 20 x 1.2m Attenuation Tank to provide a storage volume of 1,560m³

Unit 15 Flow Control Chamber Surface water to be restricted to a flow rate of 5l/s

Unit 5 45 x 10 x 1.2m Attenuation Tank to provide a storage volume of 570m³

Unit 5 Flow Control Chamber. Surface water to be restricted to a flow rate of 2.5l/s

Unit 6 25 x 10 x 1.2m Attenuation Tank to provide a storage volume of 340m³

Unit 6 Flow Control Chamber. Surface water to be restricted to a flow rate of 5l/s

Unit 11 Flow Control Chamber. Surface water to be restricted to a flow rate of 2.5l/s

Unit 12 Flow Control Chamber. Surface water to be restricted to a flow rate of 5l/s

Unit 11 Attenuation Pond to provide a storage volume of 500m³

Unit 14 32 x 10 x 1.2m Attenuation Tank to provide a storage volume of 270m³

Unit 14 Flow Control Chamber. Surface water to be restricted to a flow rate of 2.5l/s

Unit 13 16.5 x 15 x 1.2m Attenuation Tank to provide a storage volume of 340m³

Unit 13 Flow Control Chamber. Surface water to be restricted to a flow rate of 2.5l/s

Unit 12 Attenuation Pond to provide a storage volume of 575m³

Unit 14 Attenuation Pond to provide a storage volume of 765m³

SOUTH PLOT

Unit 9 & 10 Flow Control Chamber. Surface water to be restricted to a flow rate of 2.5l/s

Unit 9 & 10 Attenuation Pond to provide a storage volume of 460m³

Unit 7 Flow Control Chamber. Surface water to be restricted to a flow rate of 2.5l/s

Unit 8 Flow Control Chamber. Surface water to be restricted to a flow rate of 5l/s

Unit 8 33.5 x 20 x 1.2m Attenuation Tank to provide a storage volume of 958m³

Unit 7 22 x 20 x 1.2m Attenuation Tank to provide a storage volume of 570m³

Unit 2 Attenuation Pond to provide a storage volume of 1,350m³

Unit 2 Flow Control Chamber 2. Surface water to be restricted to a flow rate of 32.35l/s

Connection from Highway Drainage

Unit 3 37 x 15 x 1.2m Attenuation Tank to provide a storage volume of 630m³

Unit 3 Flow Control Chamber. Surface water to be restricted to a flow rate of 5l/s

Unit 1 Attenuation Pond to provide a storage volume of 770m³

Unit 1 Flow Control Chamber. Surface water to be restricted to a flow rate of 5l/s

NORTH PLOT

Unit 2 Flow Control Chamber. Surface water to be restricted to a flow rate of 5l/s

Unit 2 31.5 x 10 x 1.2m Attenuation Tank to provide a storage volume of 1000m³

Northern Plot surface water to be restricted to a flow rate of 10.18l/s

Final Full Site Flow Control Chamber. Surface water to be restricted to a flow rate of: Road 3.13l/s Southern Plots 29.22l/s Northern Plots 10.18l/s = 42.53l/s

Northern Plot to outfall into existing drainage ditch

SCALE BAR 1:1000 — 0 10 20 30 40 50 100

REV	DATE	BY	DESCRIPTION	CHKD
P04	20.08.25	MM	Surface Water flow rates amended	JW
P03	06.05.25	MM	Updated to suit planning requirement	JW
P02	30.04.25	JB	Southern plot drainage amended to suit latest Architect layout	JW
P01	05.02.25	JB	Issued for Information	JW

Burrows Graham

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5 Ambassador Place, Stockport Road, Altrincham WA15 8DB
Tel: +44 (0)161 804 8046

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CLIENT
BLOC GROUP

PROJECT
BLOC NAVIGATION QUARTER SOUTHAMPTON

DRAWING TITLE
IND CATIVE DRAINAGE LAYOUT

BGL PROJECT NUMBER	DRAWING STATUS	OFFICE
30228	PRELIMINARY	NORTH
SCALE @ A0	DATE	DRAWN BY / CHECKED BY
1:1000	05.02.2025	JB / JW

DRAWING No
30228-BGL-XX-XX-SK-C-00012

REV
P04

APPENDIX E – HYDRAULIC CALCULATIONS

Design Settings

Rainfall Methodology	FSR	Maximum Time of Concentration (mins)	30.00
Return Period (years)	100	Maximum Rainfall (mm/hr)	50.0
Additional Flow (%)	0	Minimum Velocity (m/s)	1.00
FSR Region	England and Wales	Connection Type	Level Soffits
M5-60 (mm)	20.000	Minimum Backdrop Height (m)	0.200
Ratio-R	0.400	Preferred Cover Depth (m)	1.200
CV	0.750	Include Intermediate Ground	✓
Time of Entry (mins)	5.00	Enforce best practice design rules	x

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
1		5.00	13.246	1500	445375.421	117823.073	2.053
2	0.084	5.00	12.830	1500	445391.479	117881.060	1.757
3			12.890	1500	445395.002	117925.348	1.906
4	0.234	5.00	13.118	1500	445408.902	117953.928	2.198
5			13.462	1500	445448.416	117985.815	2.644
6			13.663	1500	445487.528	117995.955	2.926
7	0.175	5.00	12.683	1500	445545.231	117995.708	2.061
9			13.030	2100	445842.262	117807.533	4.930
10			13.600	2100	445767.139	117857.098	5.700
11	0.237	5.00	12.191	2100	445698.429	117902.072	4.496
12			9.947	2100	445623.955	117952.873	2.700
Pump			10.000	2100	445628.458	117956.484	2.764
14	0.450	5.00	12.795	2100	445917.384	117757.969	4.495
15			11.600	1350	445993.768	117711.796	1.800
16			11.327	1350	446028.978	117701.561	1.600
17			12.488	1350	446097.026	117699.860	2.897
Unit 2 Pond			11.130		446320.821	117693.289	2.206
22			12.000	1350	446218.795	117750.615	2.685
20	0.239	5.00	13.425	1350	446149.440	117721.654	3.948
21			12.924	1350	446185.262	117752.575	3.542
23			12.000	1350	446235.970	117727.432	2.743
Outfall			7.000	3000	446591.641	117719.052	0.500
North Site	5.280	5.00	12.000	1500	446534.255	117805.998	1.650
South Plot FC	15.160	5.00	12.225	2100	445903.729	117708.052	2.314
Final Site Flow Control			9.000	3000	446555.653	117775.297	1.800
24			11.500	3000	446327.913	117674.339	2.616
25			11.500	1500	446455.837	117639.723	2.881
26			10.000	1500	446487.528	117752.042	1.614

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Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
1.000	1	2	60.169	0.600	11.193	11.073	0.120	500.0	600	5.93	50.0
1.001	2	3	44.428	0.600	11.073	10.984	0.089	499.2	600	6.61	50.0
1.002	3	4	31.781	0.600	10.984	10.920	0.064	500.0	600	7.10	50.0
1.003	4	5	50.775	0.600	10.920	10.818	0.102	500.0	600	7.88	50.0
1.004	5	6	40.405	0.600	10.818	10.737	0.081	500.0	600	8.50	50.0
1.005	6	7	57.704	0.600	10.737	10.622	0.115	500.0	600	9.39	50.0
1.006	7	12	89.623	0.600	10.622	8.147	2.475	36.2	600	9.76	50.0
2.000	14	9	89.999	0.600	8.300	8.100	0.200	450.0	1200	5.85	50.0
2.001	9	10	90.029	0.600	8.100	7.900	0.200	450.1	1200	6.71	50.0
2.002	10	11	82.149	0.600	7.900	7.695	0.205	400.0	1500	7.35	50.0
2.003	11	12	90.151	0.600	7.695	7.247	0.448	201.2	1500	7.85	50.0
1.007	12	Pump	5.772	0.600	7.247	7.236	0.011	524.7	1200	9.82	50.0
1.008	Pump	15	439.686	0.600	7.436	9.989	-2.553	-172.2	150	17.15	50.0
1.013	21	22	33.590	0.600	9.382	9.315	0.067	500.0	450	21.63	50.0
1.009	15	16	36.667	0.600	9.800	9.727	0.073	502.3	450	17.83	50.0
1.010	16	17	68.069	0.600	9.727	9.591	0.136	500.5	450	19.09	50.0
1.011	17	20	56.764	0.600	9.591	9.477	0.114	500.0	450	20.14	50.0
1.014	22	23	28.852	0.600	9.315	9.257	0.058	500.0	450	22.16	50.0
1.015	23	Unit 2 Pond	91.463	0.600	9.257	9.074	0.183	500.0	450	23.85	50.0
1.012	20	21	47.321	0.600	9.477	9.382	0.095	500.0	450	21.01	50.0
4.000	North Site	Final Site Flow Control	37.422	0.600	10.350	7.225	3.125	12.0	450	5.11	50.0
3.000	South Plot FC	15	90.117	0.600	9.911	9.800	0.111	811.9	450	7.13	50.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
1.000	1.082	305.9	0.0	1.453	1.157	0.000	0.0	0	0.000
1.001	1.083	306.2	11.3	1.157	1.306	0.084	0.0	78	0.526
1.002	1.082	305.9	11.3	1.306	1.598	0.084	0.0	78	0.525
1.003	1.082	305.9	43.0	1.598	2.044	0.318	0.0	151	0.774
1.004	1.082	305.9	43.0	2.044	2.326	0.318	0.0	151	0.774
1.005	1.082	305.9	43.0	2.326	1.461	0.318	0.0	151	0.774
1.006	4.055	1146.5	66.8	1.461	1.200	0.493	0.0	97	2.265
2.000	1.757	1986.8	61.0	3.295	3.730	0.450	0.0	141	0.818
2.001	1.756	1986.5	61.0	3.730	4.500	0.450	0.0	141	0.818
2.002	2.138	3778.4	61.0	4.200	2.996	0.450	0.0	129	0.827
2.003	3.020	5336.4	93.1	2.996	1.200	0.687	0.0	134	1.200
1.007	1.626	1838.9	159.9	1.500	1.564	1.180	0.0	235	1.021
1.008	1.000	17.7	159.9	2.414	1.461	1.180	0.0	150	0.000
1.013	0.902	143.5	2246.9	3.092	2.235	16.579	0.0	450	0.914
1.009	0.900	143.2	2214.5	1.350	1.150	16.340	0.0	450	0.912
1.010	0.902	143.4	2214.5	1.150	2.447	16.340	0.0	450	0.913
1.011	0.902	143.5	2214.5	2.447	3.498	16.340	0.0	450	0.914
1.014	0.902	143.5	2246.9	2.235	2.293	16.579	0.0	450	0.914
1.015	0.902	143.5	2246.9	2.293	1.606	16.579	0.0	450	0.914
1.012	0.902	143.5	2246.9	3.498	3.092	16.579	0.0	450	0.914
4.000	5.899	938.2	715.6	1.200	1.325	5.280	0.0	296	6.466
3.000	0.705	112.2	2054.6	1.864	1.350	15.160	0.0	450	0.715

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Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
1.020	Final Site Flow Control	Outfall	66.773	0.600	7.225	6.500	0.725	92.1	375	28.98	50.0
1.016	Unit 2 Pond	24	20.234	0.600	8.924	8.884	0.040	500.0	600	24.16	50.0
1.017	24	25	132.525	0.600	8.884	8.619	0.265	500.0	600	26.21	50.0
1.018	25	26	116.704	0.600	8.619	8.386	0.233	500.0	600	28.00	50.0
1.019	26	Final Site Flow Control	71.985	0.600	8.386	7.200	1.186	60.7	600	28.39	50.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
1.020	1.888	208.5	2962.5	1.400	0.125	21.859	0.0	375	1.912
1.016	1.082	305.9	2246.9	1.606	2.016	16.579	0.0	600	1.092
1.017	1.082	305.9	2246.9	2.016	2.281	16.579	0.0	600	1.092
1.018	1.082	305.9	2246.9	2.281	1.014	16.579	0.0	600	1.092
1.019	3.129	884.7	2246.9	1.014	1.200	16.579	0.0	600	3.157

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.000	60.169	500.0	600	Circular	13.246	11.193	1.453	12.830	11.073	1.157
1.001	44.428	499.2	600	Circular	12.830	11.073	1.157	12.890	10.984	1.306
1.002	31.781	500.0	600	Circular	12.890	10.984	1.306	13.118	10.920	1.598
1.003	50.775	500.0	600	Circular	13.118	10.920	1.598	13.462	10.818	2.044
1.004	40.405	500.0	600	Circular	13.462	10.818	2.044	13.663	10.737	2.326
1.005	57.704	500.0	600	Circular	13.663	10.737	2.326	12.683	10.622	1.461
1.006	89.623	36.2	600	Circular	12.683	10.622	1.461	9.947	8.147	1.200
2.000	89.999	450.0	1200	Circular	12.795	8.300	3.295	13.030	8.100	3.730
2.001	90.029	450.1	1200	Circular	13.030	8.100	3.730	13.600	7.900	4.500
2.002	82.149	400.0	1500	Circular	13.600	7.900	4.200	12.191	7.695	2.996
2.003	90.151	201.2	1500	Circular	12.191	7.695	2.996	9.947	7.247	1.200
1.007	5.772	524.7	1200	Circular	9.947	7.247	1.500	10.000	7.236	1.564
1.008	439.686	-172.2	150	Circular	10.000	7.436	2.414	11.600	9.989	1.461
1.013	33.590	500.0	450	Circular	12.924	9.382	3.092	12.000	9.315	2.235
1.009	36.667	502.3	450	Circular	11.600	9.800	1.350	11.327	9.727	1.150

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	1	1500	Manhole	Adoptable	2	1500	Manhole	Adoptable
1.001	2	1500	Manhole	Adoptable	3	1500	Manhole	Adoptable
1.002	3	1500	Manhole	Adoptable	4	1500	Manhole	Adoptable
1.003	4	1500	Manhole	Adoptable	5	1500	Manhole	Adoptable
1.004	5	1500	Manhole	Adoptable	6	1500	Manhole	Adoptable
1.005	6	1500	Manhole	Adoptable	7	1500	Manhole	Adoptable
1.006	7	1500	Manhole	Adoptable	12	2100	Manhole	Adoptable
2.000	14	2100	Manhole	Adoptable	9	2100	Manhole	Adoptable
2.001	9	2100	Manhole	Adoptable	10	2100	Manhole	Adoptable
2.002	10	2100	Manhole	Adoptable	11	2100	Manhole	Adoptable
2.003	11	2100	Manhole	Adoptable	12	2100	Manhole	Adoptable
1.007	12	2100	Manhole	Adoptable	Pump	2100	Manhole	Adoptable
1.008	Pump	2100	Manhole	Adoptable	15	1350	Manhole	Adoptable
1.013	21	1350	Manhole	Adoptable	22	1350	Manhole	Adoptable
1.009	15	1350	Manhole	Adoptable	16	1350	Manhole	Adoptable

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Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.010	68.069	500.5	450	Circular	11.327	9.727	1.150	12.488	9.591	2.447
1.011	56.764	500.0	450	Circular	12.488	9.591	2.447	13.425	9.477	3.498
1.014	28.852	500.0	450	Circular	12.000	9.315	2.235	12.000	9.257	2.293
1.015	91.463	500.0	450	Circular	12.000	9.257	2.293	11.130	9.074	1.606
1.012	47.321	500.0	450	Circular	13.425	9.477	3.498	12.924	9.382	3.092
4.000	37.422	12.0	450	Circular	12.000	10.350	1.200	9.000	7.225	1.325
3.000	90.117	811.9	450	Circular	12.225	9.911	1.864	11.600	9.800	1.350
1.020	66.773	92.1	375	Circular	9.000	7.225	1.400	7.000	6.500	0.125
1.016	20.234	500.0	600	Circular	11.130	8.924	1.606	11.500	8.884	2.016
1.017	132.525	500.0	600	Circular	11.500	8.884	2.016	11.500	8.619	2.281
1.018	116.704	500.0	600	Circular	11.500	8.619	2.281	10.000	8.386	1.014
1.019	71.985	60.7	600	Circular	10.000	8.386	1.014	9.000	7.200	1.200

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.010	16	1350	Manhole	Adoptable	17	1350	Manhole	Adoptable
1.011	17	1350	Manhole	Adoptable	20	1350	Manhole	Adoptable
1.014	22	1350	Manhole	Adoptable	23	1350	Manhole	Adoptable
1.015	23	1350	Manhole	Adoptable	Unit 2 Pond		Junction	
1.012	20	1350	Manhole	Adoptable	21	1350	Manhole	Adoptable
4.000	North Site	1500	Manhole	Adoptable	Final Site Flow Control	3000	Manhole	Adoptable
3.000	South Plot FC	2100	Manhole	Adoptable	15	1350	Manhole	Adoptable
1.020	Final Site Flow Control	3000	Manhole	Adoptable	Outfall	3000	Manhole	Adoptable
1.016	Unit 2 Pond		Junction		24	3000	Manhole	Adoptable
1.017	24	3000	Manhole	Adoptable	25	1500	Manhole	Adoptable
1.018	25	1500	Manhole	Adoptable	26	1500	Manhole	Adoptable
1.019	26	1500	Manhole	Adoptable	Final Site Flow Control	3000	Manhole	Adoptable

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
1	445375.421	117823.073	13.246	2.053	1500				
						0	1.000	11.193	600
2	445391.479	117881.060	12.830	1.757	1500		1	1.000	11.073	600
						0	1.001	11.073	600
3	445395.002	117925.348	12.890	1.906	1500		1	1.001	10.984	600
						0	1.002	10.984	600
4	445408.902	117953.928	13.118	2.198	1500		1	1.002	10.920	600
						0	1.003	10.920	600

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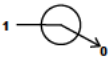
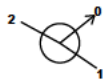
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
5	445448.416	117985.815	13.462	2.644	1500	1	1.003	10.818	600
						0	1.004	10.818	600
6	445487.528	117995.955	13.663	2.926	1500	1	1.004	10.737	600
						0	1.005	10.737	600
7	445545.231	117995.708	12.683	2.061	1500	1	1.005	10.622	600
									
						0	1.006	10.622	600
9	445842.262	117807.533	13.030	4.930	2100	1	2.000	8.100	1200
						0	2.001	8.100	1200
10	445767.139	117857.098	13.600	5.700	2100	1	2.001	7.900	1200
						0	2.002	7.900	1500
11	445698.429	117902.072	12.191	4.496	2100	1	2.002	7.695	1500
						0	2.003	7.695	1500
12	445623.955	117952.873	9.947	2.700	2100	1	2.003	7.247	1500
						2	1.006	8.147	600
									
						0	1.007	7.247	1200
Pump	445628.458	117956.484	10.000	2.764	2100	1	1.007	7.236	1200
						0	1.008	7.436	150
14	445917.384	117757.969	12.795	4.495	2100				
						0	2.000	8.300	1200
15	445993.768	117711.796	11.600	1.800	1350	1	3.000	9.800	450
						2	1.008	9.989	150
						0	1.009	9.800	450
16	446028.978	117701.561	11.327	1.600	1350	1	1.009	9.727	450
						0	1.010	9.727	450
17	446097.026	117699.860	12.488	2.897	1350	1	1.010	9.591	450
						0	1.011	9.591	450
Unit 2 Pond	446320.821	117693.289	11.130	2.206		1	1.015	9.074	450
						0	1.016	8.924	600

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Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
22	446218.795	117750.615	12.000	2.685	1350	1	1.013	9.315	450
						0	1.014	9.315	450
20	446149.440	117721.654	13.425	3.948	1350	1	1.011	9.477	450
						0	1.012	9.477	450
21	446185.262	117752.575	12.924	3.542	1350	1	1.012	9.382	450
						0	1.013	9.382	450
23	446235.970	117727.432	12.000	2.743	1350	1	1.014	9.257	450
						0	1.015	9.257	450
Outfall	446591.641	117719.052	7.000	0.500	3000	1	1.020	6.500	375
North Site	446534.255	117805.998	12.000	1.650	1500	0	4.000	10.350	450
South Plot FC	445903.729	117708.052	12.225	2.314	2100	0	3.000	9.911	450
Final Site Flow Control	446555.653	117775.297	9.000	1.800	3000	1	4.000	7.225	450
						2	1.019	7.200	600
						0	1.020	7.225	375
24	446327.913	117674.339	11.500	2.616	3000	1	1.016	8.884	600
						0	1.017	8.884	600
25	446455.837	117639.723	11.500	2.881	1500	1	1.017	8.619	600
						0	1.018	8.619	600
26	446487.528	117752.042	10.000	1.614	1500	1	1.018	8.386	600
						0	1.019	8.386	600

Simulation Settings

Rainfall Methodology	FSR	Analysis Speed	Normal
FSR Region	England and Wales	Skip Steady State	x
M5-60 (mm)	20.000	Drain Down Time (mins)	240
Ratio-R	0.400	Additional Storage (m³/ha)	0.0
Summer CV	0.750	Check Discharge Rate(s)	x
Winter CV	0.840	Check Discharge Volume	x

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Storm Durations

15	30	60	120	180	240	360	480	600	720	960	1440

Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
1	0	0	0
30	0	0	0
100	0	0	0
100	25	0	0

Node Pump Online Pump Control

Flap Valve	x	Design Depth (m)	5.000	Switch off depth (m)	0.050
Replaces Downstream Link	x	Design Flow (l/s)	2.1		
Invert Level (m)	7.436	Switch on depth (m)	0.100		

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	2.100	5.000	2.100

Node South Plot FC Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	✓	Sump Available	✓
Invert Level (m)	9.911	Product Number	CTL-SHE-0227-2920-1500-2920
Design Depth (m)	1.500	Min Outlet Diameter (m)	0.300
Design Flow (l/s)	29.2	Min Node Diameter (mm)	1800

Node 24 Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	✓	Sump Available	✓
Invert Level (m)	8.884	Product Number	CTL-SHE-0222-3240-2616-3240
Design Depth (m)	2.616	Min Outlet Diameter (m)	0.300
Design Flow (l/s)	32.4	Min Node Diameter (mm)	2100

Node Final Site Flow Control Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	✓	Sump Available	✓
Invert Level (m)	7.225	Product Number	CTL-SHE-0261-4250-2000-4250
Design Depth (m)	2.000	Min Outlet Diameter (m)	0.300
Design Flow (l/s)	42.5	Min Node Diameter (mm)	2100

Node North Site Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	✓	Sump Available	✓
Invert Level (m)	10.350	Product Number	CTL-SHE-0137-1020-1650-1020
Design Depth (m)	1.650	Min Outlet Diameter (m)	0.150
Design Flow (l/s)	10.2	Min Node Diameter (mm)	1500

Node Unit 2 Pond Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	8.924
Side Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Time to half empty (mins)	30

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Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	210.0	0.0	2.056	1140.0	0.0	2.057	0.0	0.0

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Results for 1 year Critical Storm Duration. Lowest mass balance: 96.49%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1	1	11.193	0.000	0.0	0.0000	0.0000	OK
15 minute winter	2	11	11.150	0.077	11.8	0.1352	0.0000	OK
15 minute winter	3	12	11.078	0.094	11.1	0.1653	0.0000	OK
15 minute winter	4	11	11.071	0.151	41.3	0.2662	0.0000	OK
15 minute winter	5	12	10.968	0.150	40.5	0.2651	0.0000	OK
15 minute winter	6	13	10.881	0.144	39.9	0.2549	0.0000	OK
15 minute winter	7	13	10.711	0.089	55.6	0.1566	0.0000	OK
600 minute winter	9	585	8.320	0.220	6.6	0.7615	0.0000	OK
600 minute winter	10	585	8.318	0.418	7.1	1.4488	0.0000	OK
600 minute winter	11	570	8.318	0.623	10.2	2.1597	0.0000	OK
600 minute winter	12	570	8.319	1.072	45.2	3.7146	0.0000	OK
600 minute winter	Pump	690	8.345	1.109	16.0	3.8425	0.0000	SURCHARGED
15 minute winter	14	10	8.446	0.146	63.4	0.5042	0.0000	OK
1440 minute winter	15	990	9.963	0.163	37.6	0.2327	0.0000	OK
1440 minute winter	16	990	9.886	0.159	37.6	0.2281	0.0000	OK
1440 minute winter	17	1080	9.751	0.160	37.6	0.2296	0.0000	OK
1440 minute winter	Unit 2 Pond	1110	9.697	0.773	39.0	297.6881	0.0000	SURCHARGED
1440 minute winter	22	1110	9.709	0.394	39.4	0.5639	0.0000	OK
1440 minute winter	20	1080	9.722	0.245	39.5	0.3510	0.0000	OK
1440 minute winter	21	1080	9.713	0.331	39.5	0.4742	0.0000	OK
1440 minute winter	23	1110	9.706	0.449	39.3	0.6427	0.0000	OK
15 minute summer	Outfall	1	6.500	0.000	23.4	0.0000	0.0000	OK
480 minute winter	North Site	40	12.000	1.650	91.5	2.9156	762.9806	FLOOD
360 minute winter	South Plot FC	32	12.225	2.314	325.8	8.0157	2036.9280	FLOOD

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	1	1.000	2	0.0	0.000	0.000	0.6082	
15 minute winter	2	1.001	3	11.1	0.476	0.036	1.0821	
15 minute winter	3	1.002	4	12.1	0.354	0.040	1.3220	
15 minute winter	4	1.003	5	40.5	0.758	0.132	2.7496	
15 minute winter	5	1.004	6	39.9	0.759	0.130	2.1260	
15 minute winter	6	1.005	7	39.4	1.033	0.129	2.2457	
15 minute winter	7	1.006	12	54.6	2.132	0.048	2.2941	
600 minute winter	9	2.001	10	6.6	0.418	0.003	22.0753	
600 minute winter	10	2.002	11	9.4	0.309	0.002	44.8738	
600 minute winter	11	2.003	12	9.2	0.139	0.002	91.7829	
600 minute winter	12	1.007	Pump	-42.7	-0.040	-0.023	6.1639	
600 minute winter	Pump	1.008	15	2.1	0.164	0.119	4.6941	
15 minute winter	14	2.000	9	62.8	0.859	0.032	6.7093	
1440 minute winter	15	1.009	16	37.6	0.742	0.263	1.8667	
1440 minute winter	16	1.010	17	37.6	0.767	0.262	3.3993	
1440 minute winter	17	1.011	20	37.6	0.739	0.262	3.9444	
1440 minute winter	Unit 2 Pond	1.016	24	32.5	0.326	0.106	5.6995	
1440 minute winter	22	1.014	23	39.3	0.758	0.274	4.4069	
1440 minute winter	20	1.012	21	39.5	0.740	0.275	5.0502	
1440 minute winter	21	1.013	22	39.4	0.729	0.275	4.5721	
1440 minute winter	23	1.015	Unit 2 Pond	39.0	0.840	0.272	14.4855	
480 minute winter	North Site	Hydro-Brake®	Final Site Flow Control	10.2				
360 minute winter	South Plot FC	Hydro-Brake®	15	35.6				

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Results for 1 year Critical Storm Duration. Lowest mass balance: 96.49%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	Final Site Flow Control	1110	7.841	0.641	42.6	4.5339	0.0000	SURCHARGED
1440 minute winter	24	1110	9.697	0.813	32.5	5.7455	0.0000	SURCHARGED
1440 minute winter	25	990	8.754	0.135	32.4	0.2388	0.0000	OK
1440 minute winter	26	990	8.463	0.077	32.4	0.1364	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	Final Site Flow Control	Hydro-Brake®	Outfall	42.5				3260.9
1440 minute winter	24	Hydro-Brake®	25	32.4				
1440 minute winter	25	1.018	26	32.4	0.967	0.106	3.9973	
1440 minute winter	26	1.019	Final Site Flow Control	32.4	0.502	0.037	10.8973	

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Results for 30 year Critical Storm Duration. Lowest mass balance: 96.49%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1	1	11.193	0.000	0.0	0.0000	0.0000	OK
15 minute winter	2	11	11.192	0.119	28.9	0.2111	0.0000	OK
15 minute winter	3	11	11.173	0.189	26.7	0.3343	0.0000	OK
15 minute winter	4	11	11.166	0.246	101.9	0.4353	0.0000	OK
15 minute winter	5	12	11.062	0.244	101.3	0.4316	0.0000	OK
15 minute winter	6	12	10.965	0.228	100.0	0.4020	0.0000	OK
15 minute winter	7	12	10.767	0.145	146.3	0.2568	0.0000	OK
360 minute winter	9	320	8.744	0.644	21.2	2.2307	0.0000	OK
360 minute winter	10	320	8.744	0.844	31.6	2.9248	0.0000	OK
360 minute winter	11	320	8.745	1.050	28.2	3.6366	0.0000	OK
360 minute winter	12	320	8.745	1.498	32.8	5.1884	0.0000	SURCHARGED
360 minute winter	Pump	320	8.745	1.509	18.0	5.2265	0.0000	SURCHARGED
360 minute winter	14	320	8.745	0.445	21.3	1.5429	0.0000	OK
1440 minute winter	15	1380	10.102	0.302	37.6	0.4321	0.0000	OK
1440 minute winter	16	1380	10.096	0.369	37.6	0.5286	0.0000	OK
1440 minute winter	17	1380	10.089	0.498	37.7	0.7122	0.0000	SURCHARGED
1440 minute winter	Unit 2 Pond	1410	10.056	1.132	40.4	527.3269	0.0000	SURCHARGED
1440 minute winter	22	1380	10.067	0.752	40.8	1.0761	0.0000	SURCHARGED
1440 minute winter	20	1380	10.080	0.603	41.4	0.8632	0.0000	SURCHARGED
1440 minute winter	21	1380	10.073	0.691	41.1	0.9884	0.0000	SURCHARGED
1440 minute winter	23	1410	10.064	0.806	40.6	1.1541	0.0000	SURCHARGED
15 minute summer	Outfall	1	6.500	0.000	31.2	0.0000	0.0000	OK
960 minute winter	North Site	60	12.000	1.650	116.0	2.9156	2081.0930	FLOOD
720 minute winter	South Plot FC	45	12.225	2.314	415.8	8.0157	5660.3680	FLOOD

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	1	1.000	2	0.0	0.000	0.000	1.1468	
15 minute winter	2	1.001	3	26.7	0.513	0.087	2.5730	
15 minute winter	3	1.002	4	30.0	0.407	0.098	2.9398	
15 minute winter	4	1.003	5	101.3	0.943	0.331	5.4525	
15 minute winter	5	1.004	6	100.0	0.973	0.327	4.1539	
15 minute winter	6	1.005	7	98.9	1.360	0.323	4.3410	
15 minute winter	7	1.006	12	145.4	2.820	0.127	4.7115	
360 minute winter	9	2.001	10	25.8	0.481	0.013	65.8867	
360 minute winter	10	2.002	11	25.6	0.355	0.007	96.0235	
360 minute winter	11	2.003	12	32.3	0.222	0.006	138.6409	
360 minute winter	12	1.007	Pump	18.0	0.203	0.010	6.5034	
360 minute winter	Pump	1.008	15	2.1	0.162	0.118	4.6884	
360 minute winter	14	2.000	9	21.2	0.557	0.011	44.8417	
1440 minute winter	15	1.009	16	37.6	0.757	0.263	4.6260	
1440 minute winter	16	1.010	17	37.7	0.767	0.263	10.1315	
1440 minute winter	17	1.011	20	37.6	0.732	0.262	8.9939	
1440 minute winter	Unit 2 Pond	1.016	24	32.5	0.348	0.106	5.6995	
1440 minute winter	22	1.014	23	40.6	0.748	0.283	4.5714	
1440 minute winter	20	1.012	21	41.1	0.730	0.287	7.4977	
1440 minute winter	21	1.013	22	40.8	0.720	0.285	5.3221	
1440 minute winter	23	1.015	Unit 2 Pond	40.4	0.840	0.282	14.4917	
960 minute winter	North Site	Hydro-Brake®	Final Site Flow Control	10.2				
720 minute winter	South Plot FC	Hydro-Brake®	15	35.6				

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Results for 30 year Critical Storm Duration. Lowest mass balance: 96.49%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	Final Site Flow Control	720	7.842	0.642	42.6	4.5408	0.0000	SURCHARGED
1440 minute winter	24	1410	10.055	1.171	32.5	8.2788	0.0000	SURCHARGED
720 minute winter	25	570	8.754	0.135	32.4	0.2388	0.0000	OK
720 minute winter	26	570	8.463	0.077	32.4	0.1364	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	Final Site Flow Control	Hydro-Brake®	Outfall	42.5				2107.3
1440 minute winter	24	Hydro-Brake®	25	32.4				
720 minute winter	25	1.018	26	32.4	0.967	0.106	3.9973	
720 minute winter	26	1.019	Final Site Flow Control	32.4	0.508	0.037	10.8972	

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Results for 100 year Critical Storm Duration. Lowest mass balance: 96.49%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	1	13	11.227	0.034	2.6	0.0598	0.0000	OK
15 minute winter	2	11	11.221	0.148	37.5	0.2609	0.0000	OK
15 minute winter	3	11	11.209	0.225	30.3	0.3973	0.0000	OK
15 minute winter	4	11	11.202	0.282	128.8	0.4977	0.0000	OK
15 minute winter	5	12	11.096	0.278	127.5	0.4915	0.0000	OK
15 minute winter	6	12	10.994	0.257	125.9	0.4538	0.0000	OK
15 minute winter	7	12	10.789	0.167	190.4	0.2946	0.0000	OK
240 minute winter	9	252	8.967	0.867	35.7	3.0042	0.0000	OK
240 minute winter	10	248	8.969	1.069	59.2	3.7027	0.0000	OK
240 minute winter	11	248	8.968	1.273	45.4	4.4107	0.0000	OK
240 minute winter	12	272	8.978	1.731	51.7	5.9978	0.0000	SURCHARGED
240 minute winter	Pump	184	9.191	1.955	181.7	6.7730	0.0000	SURCHARGED
240 minute winter	14	240	8.963	0.663	37.9	2.2968	0.0000	OK
1440 minute summer	15	1440	10.162	0.362	37.6	0.5182	0.0000	OK
1440 minute summer	16	1440	10.158	0.431	37.6	0.6161	0.0000	OK
1440 minute summer	17	1440	10.148	0.557	37.7	0.7974	0.0000	SURCHARGED
1440 minute winter	Unit 2 Pond	1410	10.112	1.188	41.4	568.4045	0.0000	SURCHARGED
1440 minute winter	22	1410	10.128	0.813	41.6	1.1629	0.0000	SURCHARGED
1440 minute summer	20	1440	10.140	0.663	43.8	0.9485	0.0000	SURCHARGED
1440 minute winter	21	1410	10.133	0.751	41.9	1.0745	0.0000	SURCHARGED
1440 minute winter	23	1410	10.123	0.866	41.4	1.2392	0.0000	SURCHARGED
15 minute summer	Outfall	1	6.500	0.000	33.8	0.0000	0.0000	OK
1440 minute winter	North Site	90	12.000	1.650	106.8	2.9156	2820.5130	FLOOD
960 minute winter	South Plot FC	45	12.225	2.314	425.7	8.0157	7748.1210	FLOOD

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	1	1.000	2	-2.6	-0.113	-0.008	1.7547	
15 minute winter	2	1.001	3	30.3	0.511	0.099	3.3345	
15 minute winter	3	1.002	4	37.9	0.446	0.124	3.5949	
15 minute winter	4	1.003	5	127.5	0.997	0.417	6.5319	
15 minute winter	5	1.004	6	125.9	1.038	0.411	4.9071	
15 minute winter	6	1.005	7	126.7	1.468	0.414	5.1617	
15 minute winter	7	1.006	12	190.2	3.042	0.166	7.7337	
240 minute winter	9	2.001	10	30.8	0.537	0.016	86.9020	
240 minute winter	10	2.002	11	42.8	0.422	0.011	120.6127	
240 minute winter	11	2.003	12	51.6	0.265	0.010	151.1930	
240 minute winter	12	1.007	Pump	181.7	0.192	0.099	6.5034	
240 minute winter	Pump	1.008	15	1.9	0.149	0.107	4.6354	
240 minute winter	14	2.000	9	35.7	0.643	0.018	67.9071	
1440 minute summer	15	1.009	16	37.6	0.757	0.263	5.3679	
1440 minute summer	16	1.010	17	37.7	0.767	0.263	10.7052	
1440 minute summer	17	1.011	20	37.6	0.734	0.262	8.9939	
1440 minute winter	Unit 2 Pond	1.016	24	32.5	0.341	0.106	5.6995	
1440 minute winter	22	1.014	23	41.4	0.749	0.289	4.5714	
1440 minute summer	20	1.012	21	43.4	0.728	0.303	7.4977	
1440 minute winter	21	1.013	22	41.6	0.720	0.290	5.3221	
1440 minute winter	23	1.015	Unit 2 Pond	41.4	0.841	0.288	14.4917	
1440 minute winter	North Site	Hydro-Brake®	Final Site Flow Control	10.2				
960 minute winter	South Plot FC	Hydro-Brake®	15	35.6				

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Results for 100 year Critical Storm Duration. Lowest mass balance: 96.49%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	Final Site Flow Control	705	7.832	0.632	42.6	4.4644	0.0000	SURCHARGED
1440 minute winter	24	1410	10.111	1.227	32.5	8.6742	0.0000	SURCHARGED
480 minute winter	25	488	8.754	0.135	32.4	0.2388	0.0000	OK
1440 minute winter	26	690	8.463	0.077	32.4	0.1364	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	Final Site Flow Control	Hydro-Brake®	Outfall	42.5				2132.2
1440 minute winter	24	Hydro-Brake®	25	32.4				
480 minute winter	25	1.018	26	32.4	0.967	0.106	3.9973	
1440 minute winter	26	1.019	Final Site Flow Control	32.4	0.509	0.037	10.8968	

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Results for 100 year +25% CC Critical Storm Duration. Lowest mass balance: 96.49%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	1	12	11.266	0.073	6.9	0.1293	0.0000	OK
15 minute winter	2	11	11.254	0.181	46.9	0.3199	0.0000	OK
15 minute winter	3	11	11.243	0.259	37.9	0.4584	0.0000	OK
15 minute winter	4	11	11.238	0.318	156.3	0.5614	0.0000	OK
15 minute winter	5	12	11.129	0.311	154.6	0.5503	0.0000	OK
15 minute winter	6	12	11.021	0.284	153.1	0.5023	0.0000	OK
15 minute winter	7	11	10.807	0.185	237.5	0.3273	0.0000	OK
240 minute winter	9	200	9.947	1.847	65.3	6.3966	0.0000	SURCHARGED
240 minute winter	10	200	9.946	2.046	95.1	7.0868	0.0000	SURCHARGED
240 minute winter	11	204	9.945	2.250	67.9	7.7955	0.0000	SURCHARGED
240 minute winter	12	200	9.947	2.700	51.5	9.3528	52.8285	FLOOD
240 minute winter	Pump	204	9.930	2.694	16.5	9.3313	0.0000	FLOOD RISK
240 minute winter	14	200	9.947	1.647	47.3	5.7040	0.0000	SURCHARGED
1440 minute winter	15	1410	10.219	0.419	37.6	0.5992	0.0000	OK
1440 minute winter	16	1410	10.213	0.486	37.6	0.6961	0.0000	SURCHARGED
1440 minute winter	17	1410	10.204	0.613	37.7	0.8770	0.0000	SURCHARGED
1440 minute winter	Unit 2 Pond	1440	10.169	1.245	42.5	611.6895	0.0000	SURCHARGED
1440 minute winter	22	1410	10.183	0.868	42.6	1.2416	0.0000	SURCHARGED
1440 minute winter	20	1410	10.196	0.719	43.3	1.0283	0.0000	SURCHARGED
1440 minute winter	21	1410	10.188	0.806	42.9	1.1538	0.0000	SURCHARGED
1440 minute winter	23	1410	10.178	0.921	42.5	1.3175	0.0000	SURCHARGED
15 minute summer	Outfall	1	6.500	0.000	35.1	0.0000	0.0000	OK
1440 minute winter	North Site	90	12.000	1.650	133.5	2.9156	3732.3390	FLOOD
1440 minute winter	South Plot FC	90	12.225	2.314	383.2	8.0157	10244.2300	FLOOD

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	1	1.000	2	-6.9	-0.185	-0.023	2.7263	
15 minute winter	2	1.001	3	37.9	0.524	0.124	4.1813	
15 minute winter	3	1.002	4	48.1	0.491	0.157	4.2607	
15 minute winter	4	1.003	5	154.6	1.040	0.505	7.5804	
15 minute winter	5	1.004	6	153.1	1.097	0.500	5.6395	
15 minute winter	6	1.005	7	153.9	1.565	0.503	5.9237	
15 minute winter	7	1.006	12	240.8	3.184	0.210	11.2080	
240 minute winter	9	2.001	10	73.2	0.519	0.037	101.4365	
240 minute winter	10	2.002	11	60.4	0.452	0.016	144.6219	
240 minute winter	11	2.003	12	-56.1	0.276	-0.011	158.7093	
240 minute winter	12	1.007	Pump	16.5	0.116	0.009	6.5034	
240 minute winter	Pump	1.008	15	1.9	0.150	0.108	4.6396	
240 minute winter	14	2.000	9	46.5	0.646	0.023	101.4027	
1440 minute winter	15	1.009	16	37.6	0.757	0.263	5.7222	
1440 minute winter	16	1.010	17	37.7	0.767	0.263	10.7851	
1440 minute winter	17	1.011	20	37.6	0.731	0.262	8.9939	
1440 minute winter	Unit 2 Pond	1.016	24	32.5	0.344	0.106	5.6995	
1440 minute winter	22	1.014	23	42.5	0.750	0.296	4.5714	
1440 minute winter	20	1.012	21	42.9	0.731	0.299	7.4977	
1440 minute winter	21	1.013	22	42.6	0.721	0.297	5.3221	
1440 minute winter	23	1.015	Unit 2 Pond	42.5	0.842	0.296	14.4917	
1440 minute winter	North Site	Hydro-Brake®	Final Site Flow Control	10.2				
1440 minute winter	South Plot FC	Hydro-Brake®	15	35.6				

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Results for 100 year +25% CC Critical Storm Duration. Lowest mass balance: 96.49%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	Final Site Flow Control	600	7.823	0.623	42.6	4.4034	0.0000	SURCHARGED
1440 minute winter	24	1440	10.168	1.284	32.5	9.0769	0.0000	SURCHARGED
480 minute winter	25	400	8.754	0.135	32.4	0.2388	0.0000	OK
480 minute winter	26	400	8.463	0.077	32.4	0.1364	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	Final Site Flow Control	Hydro-Brake®	Outfall	42.5				1823.9
1440 minute winter	24	Hydro-Brake®	25	32.4				
480 minute winter	25	1.018	26	32.4	0.967	0.106	3.9973	
480 minute winter	26	1.019	Final Site Flow Control	32.4	0.508	0.037	10.8969	

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APPENDIX F – DRAINAGE INSPECTION & MAINTENANCE SCHEDULE

Maintenance Schedule	Required Action	Typical Frequency
Below Ground Drainage Pipes, Manholes, Outfall headwalls, ditches, trash screens etc		
Regular Maintenance	Lift covers and inspect manholes for evidence of debris and silt deposits and evidence of blockages (standing water). Carry out CCTV survey if required. Inspect ditches, trash screens, headwalls etc. and clear debris and silt deposits to avoid restriction to flow.	Quarterly or following significant rainfall events.
Remedial Actions	High pressure jetting and/or remove minor blockages and silt build up	As required – 20% loss of pipe cross-section
	Replace broken access covers, remove major blockages, repair structurally defective pipework	As required
Flow control chamber		
Regular Maintenance	Lift covers and inspect chamber fore evidence of debris and silt deposits and evidence of blockages. Test bypass door operating correctly.	Quarterly or following significant rainfall events.
Remedial Actions	High pressure jetting and or remove minor blockages and silt build up	As required
	Replace broken access covers, remove major blockages, repair/replace defective flow control devices	As required
Linear channel drains and gullies		
Regular Maintenance	Lift access covers and inspect for silt/debris accumulation	Quarterly or following significant rainfall events.
Remedial Actions	Replace broken access covers, gratings	Annually
	High pressure jetting and/or remove minor blockages and silt build up	As required
Rainwater pipes		
Regular Maintenance	Inspect rainwater goods for evidence of leaking pipework	Monthly (or as required)
Occasional Maintenance	Remove rodding eyes and carry out high pressure jetting to remove any debris	Quarterly
Remedial Actions	Replace cracked / leaking pipework	As required
Ponds		
Regular Maintenance	Remove litter and debris	Monthly (or as required)
	Cut the grass – public areas	Monthly (during growing season)

Maintenance Schedule	Required Action	Typical Frequency
	Cut the meadow grass	Half yearly (spring, before nesting season, and autumn)
	Inspect marginal and bankside vegetation and remove nuisance plants (for first 3 years)	Monthly (at the start, then as required)
	Inspect inlets, outlets, banksides, structures, pipework etc for evidence of blockage and/or physical damage	Monthly
	Inspect water body for signs of poor water quality	Monthly (May – October)
	Inspect silt accumulation rates in any forebay and in main body of the pond and establish appropriate removal frequencies; undertake contamination testing once some build-up has occurred, to inform management and disposal options	Half yearly
	Check any mechanical devices, e.g. penstocks	Half yearly
	Hand cut submerged and emergent aquatic plants (at minimum of 0.1m above pond base; include max 25% of pond surface)	Annually
	Remove 25% of bank vegetation from water's edge to a minimum of 1m above water level	Annually
	Tidy all dead growth (scrub clearance) before start of growing season (Note: tree maintenance is usually part of overall landscape management contract)	Annually
	Remove sediment from any forebay.	Every 1 to 5 years, or as required
	Remove sediment and planting from one quadrant of the main body of ponds without sediment forebays.	Every 5 years, or as required
Occasional Maintenance	Remove sediment from the main body of big ponds when pool volume is reduced by 20%	With effective pre-treatment, this will only be required rarely, eg every 25–50 years
Remedial actions	Repair erosion or other damage	As required
	Replant, where necessary	As required
	Aerate pond when signs of eutrophication are detected	As required

Maintenance Schedule	Required Action	Typical Frequency
	Realign rip-rap or repair other damage	As required
	Repair / rehabilitate inlets, outlets and overflows	As required
Attenuation Tank (Maintenance activities recommended by the manufacturer should be added to this schedule where not included)		
Regular maintenance	Remove litter and debris and inspect for sediment, oil and grease accumulation.	Six monthly
	Change the filter media	As recommended by manufacturer
Remedial actions	Replace malfunctioning parts or structures	As required
Monitoring	Inspect for evidence of poor performance	Six monthly
	Inspect sediment accumulation rates and filter media, and establish appropriate replacement frequencies.	Monthly during first half of the year, then every six months
Pumps (Maintenance activities recommended by the manufacturer should be added to this schedule where not included)		
Regular Maintenance	Ensure sumps and Floats are clean	Quarterly
	Assess the condition of the pipework for wear or damage	Quarterly
	Lift covers and inspect manholes for evidence of debris and silt deposits and evidence of blockages - quarterly	Quarterly
	Examine the condition of pump including impeller, seals, valves and pipework (as recommended by the manufacturer)	Quarterly
Remedial Actions	Consult pump specialist	As Required
	Service and replace and elements of the system	Six Monthly

APPENDIX G – SEWER RECORDS

Eastleigh Works

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Date: 24/02/25

Scale: 1:1250

Map Centre: 445797,117831

Data updated: 21/01/25

Our Ref: 1699812 - 1

Wastewater Plan NQ
Powered by digdat

The positions of pipes shown on this plan are believed to be correct, but Southern Water Services Ltd accept no responsibility in the event of inaccuracy. The actual positions should be determined on site. This plan is produced by Southern Water Services Ltd (c) Crown copyright and database rights 2025 Ordnance Survey AC0000808122. This map is to be used for the purposes of viewing the location of Southern Water plant only. Any other uses of the map data or further copies is not permitted.

WARNING: BAC pipes are constructed of Bonded Asbestos Cement.

WARNING: Unknown (UNK) materials may include Bonded Asbestos Cement.

Foul Gravity Sewer
Combined Gravity Sewer
Storm/Attenuation or Treated Effluent
Surface Water Gravity Sewer
Rising Mains, Vacuum or Syphon
Combined Outfall
Foul Outfall
Surface Water Outfall
Surface Water Inlet
Combined Pumping Station
Surface Water Pumping Station
Foul Pumping Station
Water Treatment Works
Section 104 Area
Building Over Agreement Area
Foul Manhole
Combined Manhole
Surface Water Manhole
Side Entry Manhole, Generation Chamber, Valve Chamber, Surface Water Chamber

olivia.bentley@burrowsgraham.com

NQ Southampton

WATER for LIFE

from Southern Water.

Manhole Reference	Liquid Type	Cover Level	Invert Level	Depth to Invert
5207	C	0.00	0.00	
0101	F	13.53	0.00	
0101	F	0.00	0.00	
0102	F	0.00	0.00	
0201	F	0.00	0.00	
0301	F	14.44	0.00	
0302	F	0.00	0.00	
0801	F	13.18	9.47	
0802	F	13.13	0.00	
0802	F	12.92	11.81	
0803	F	13.18	11.98	
0901	F	12.99	11.29	
0901	F	0.00	0.00	
0902	F	13.15	0.00	
0905	F	13.04	11.18	
1001	F	0.00	0.00	
1001	F	0.00	0.00	
1002	F	0.00	0.00	
1003	F	0.00	0.00	
1101	F	13.59	7.16	
1102	F	13.81	7.18	
1201	F	14.32	12.88	
1701	F	12.60	11.45	
1701	F	13.20	11.94	
1702	F	12.73	11.57	
1703	F	12.66	11.67	
1704	F	0.00	0.00	
1705	F	0.00	0.00	
1706	F	0.00	0.00	
1707	F	0.00	0.00	
1801	F	13.14	10.93	
1801	F	13.15	11.43	
1802	F	13.07	0.00	
1802	F	13.01	11.94	
1803	F	12.90	12.13	
1804	F	12.89	11.45	
1805	F	0.00	0.00	
1806	F	0.00	0.00	
1807	F	0.00	0.00	
1808	F	0.00	0.00	
1901	F	12.95	10.20	
1902	F	13.10	12.11	
1903	F	0.00	0.00	
1904	F	0.00	0.00	
2001	F	13.53	12.27	
2002	F	13.86	10.93	
2003	F	13.57	11.42	
2004	F	0.00	0.00	
2005	F	0.00	0.00	
2006	F	0.00	0.00	
2007	F	0.00	0.00	
2008	F	0.00	0.00	
2101	F	13.95	11.95	
2102	F	13.68	7.40	
2103	F	0.00	0.00	
2104	F	0.00	0.00	
2105	F	0.00	0.00	
2106	F	0.00	0.00	
2107	F	0.00	0.00	
2108	F	0.00	0.00	
2201	F	13.92	8.81	
2202	F	13.90	10.86	
2203	F	14.35	8.70	
2204	F	0.00	0.00	
2701	F	12.64	11.05	
2801	F	13.47	10.20	
2802	F	12.94	10.54	
2803	F	0.00	0.00	
2804	F	0.00	0.00	
2806	F	0.00	0.00	
2901	F	13.72	11.93	
2902	F	13.17	9.93	
2903	F	13.50	12.28	
2904	F	13.36	9.62	
2905	F	0.00	0.00	
3001	F	14.01	12.79	
3001	F	12.05	6.49	
3002	F	13.80	11.11	
3003	F	13.61	9.29	
3004	F	13.58	9.30	
3005	F	0.00	0.00	
3101	F	13.67	11.77	
3102	F	14.46	0.00	
3103	F	13.92	9.11	
3104	F	13.84	9.20	
3107	F	14.04	8.95	
3109	F	0.00	0.00	
3110	F	0.00	0.00	
3111	F	0.00	0.00	
3201	F	13.99	10.48	
3202	F	14.15	8.81	
3203	F	0.00	0.00	
3204	F	0.00	0.00	
3301	F	0.00	0.00	
4001	F	0.00	0.00	
4101	F	14.47	8.54	
4101	F	0.00	0.00	
4102	F	14.33	8.07	
4201	F	14.19	8.69	
4201	F	0.00	0.00	
4202	F	0.00	0.00	
4203	F	0.00	0.00	
4204	F	0.00	0.00	
4206	F	0.00	0.00	
4207	F	0.00	0.00	
4208	F	0.00	0.00	
4308	F	0.00	0.00	
5001	F	0.00	0.00	
5104	F	0.00	0.00	
5201	F	14.46	0.00	
5202	F	14.45	0.00	
5203	F	14.41	8.29	
5204	F	0.00	0.00	
6101	F	13.81	7.87	
7001	F	13.82	11.48	
7002	F	13.73	11.80	
7003	F	0.00	0.00	
7101	F	14.27	12.91	
7102	F	14.09	11.86	
7103	F	14.20	12.37	
7104	F	14.27	7.87	
8001	F	13.82	12.00	
8002	F	13.72	12.62	
8003	F	13.79	0.00	
8004	F	13.77	12.29	
8005	F	0.00	0.00	
8101	F	14.01	10.72	
8102	F	13.96	7.86	
8901	F	13.73	12.76	
8902	F	13.69	12.74	
9001	F	13.75	0.00	
9901	F	13.41	0.00	
9902	F	13.46	0.00	
9903	F	0.00	0.00	
9904	F	0.00	0.00	
9906	F	0.00	0.00	
0051	S	13.92	10.43	
0052	S	0.00	0.00	
0150	S	14.14	12.87	
0850	S	12.97	10.37	
0950	S	13.10	11.91	
1050	S	13.95	0.00	
1051	S	13.78	12.38	
1052	S	13.13	10.66	
1053	S	0.00	0.00	
1054	S	0.00	0.00	
1055	S	0.00	0.00	
1056	S	0.00	0.00	
1150	S	13.61	10.99	
1151	S	13.79	10.98	
1152	S	13.70	10.96	
1250	S	14.59	11.30	
1251	S	14.33	11.24	
1351	S	14.24	13.13	
1750	S	12.79	0.00	
1751	S	12.60	0.00	
1850	S	12.86	10.43	
1851	S	12.82	0.00	
1950	S	13.01	11.03	
1951	S	12.95	10.55	
1952	S	12.85	10.54	
2050	S	13.50	10.81	
2051	S	13.62	12.73	
2150	S	14.11	12.89	
2151	S	13.60	11.68	
2152	S	13.69	11.34	
2153	S	13.69	10.88	
2250	S	13.92	11.14	
2251	S	13.82	11.52	
2252	S	14.00	11.14	
2253	S	14.30	11.08	
2254	S	13.88	13.34	
2850	S	12.96	0.00	
2950	S	13.13	10.68	
2951	S	13.09	12.13	
2952	S	13.21	11.17	
2953	S	13.16	11.19	
2954	S	13.40	12.52	
2955	S	13.89	0.00	
3050	S	13.57	11.44	
3051	S	13.81	12.70	
3052	S	13.95	13.01	
3053	S	13.97	0.00	
3150	S	13.91	11.57	
3151	S	13.85	11.50	
3250	S	14.00	0.00	
3251	S	13.94	11.66	
3252	S	13.90	13.49	
3253	S	14.20	11.78	
3850	S	13.79	12.71	
4050	S	14.09	0.00	
4150	S	14.39	0.00	
4151	S	14.29	13.37	
4250	S	14.18	13.53	
4251	S	14.21	13.43	
4252	S	14.08	13.31	
4253	S	14.20	12.24	
4254	S	14.41	13.07	
4353	S	14.18	13.54	

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WARNING: BAC pipes are constructed of Bonded Asbestos Cement.

WARNING: Unknown (UNK) materials may include Bonded Asbestos Cement.

Foul Gravity Sewer | Combined Gravity Sewer | Culverted Water Course or Treated Effluent | Surface Water Gravity Sewer | Rising Main, Vacuum or Syphon | Combined Outfall | Surface Water Outfall | Foul Outfall | Surface Water Inlet | Combined Pumping Station | Surface Water Pumping Station | Foul Pumping Station | Water Treatment Works | Section 104 Area | Building Over Agreement Area | Foul Manhole | Combined Manhole | Surface Water Manhole | Side Entry Manhole, Demarcation Chamber, Dummy Manhole or Surface Water Soakaway

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NQ

WATER for LIFE from Southern Water.

Manhole Reference	Liquid Type	Cover Level	Invert Level	Depth to Invert
4301	F	9.67	6.22	
4401	F	9.57	6.47	
4402	F	9.64	6.56	
5501	F	9.59	7.16	
5502	F	9.16	7.26	
5503	F	9.96	0.00	
5504	F	9.84	0.00	
5505	F	9.60	7.71	
5506	F	9.45	7.46	
5507	F	9.45	7.40	
6501	F	9.96	0.00	
6502	F	0.00	0.00	
7501	F	0.00	0.00	
7502	F	10.56	8.91	
7503	F	10.83	8.79	
8401	F	10.56	9.36	
8402	F	10.47	9.32	
8501	F	10.44	9.08	
4350	S	9.70	8.69	
4451	S	9.81	8.22	
5550	S	9.27	7.91	
5551	S	8.90	0.00	
5552	S	9.48	6.86	
5553	S	8.86	6.59	
5554	S	9.00	6.74	
5555	S	9.00	0.00	
5556	S	0.00	7.08	
5557	S	0.00	7.67	

Manhole Reference	Liquid Type	Cover Level	Invert Level	Depth to Invert

Manhole Reference	Liquid Type	Cover Level	Invert Level	Depth to Invert

Manhole Reference	Liquid Type	Cover Level	Invert Level	Depth to Invert

Manhole Reference	Liquid Type	Cover Level	Invert Level	Depth to Invert

Manhole Reference	Liquid Type	Cover Level	Invert Level	Depth to Invert

Manhole Reference	Liquid Type	Cover Level	Invert Level	Depth to Invert

Manhole Reference	Liquid Type	Cover Level	Invert Level	Depth to Invert