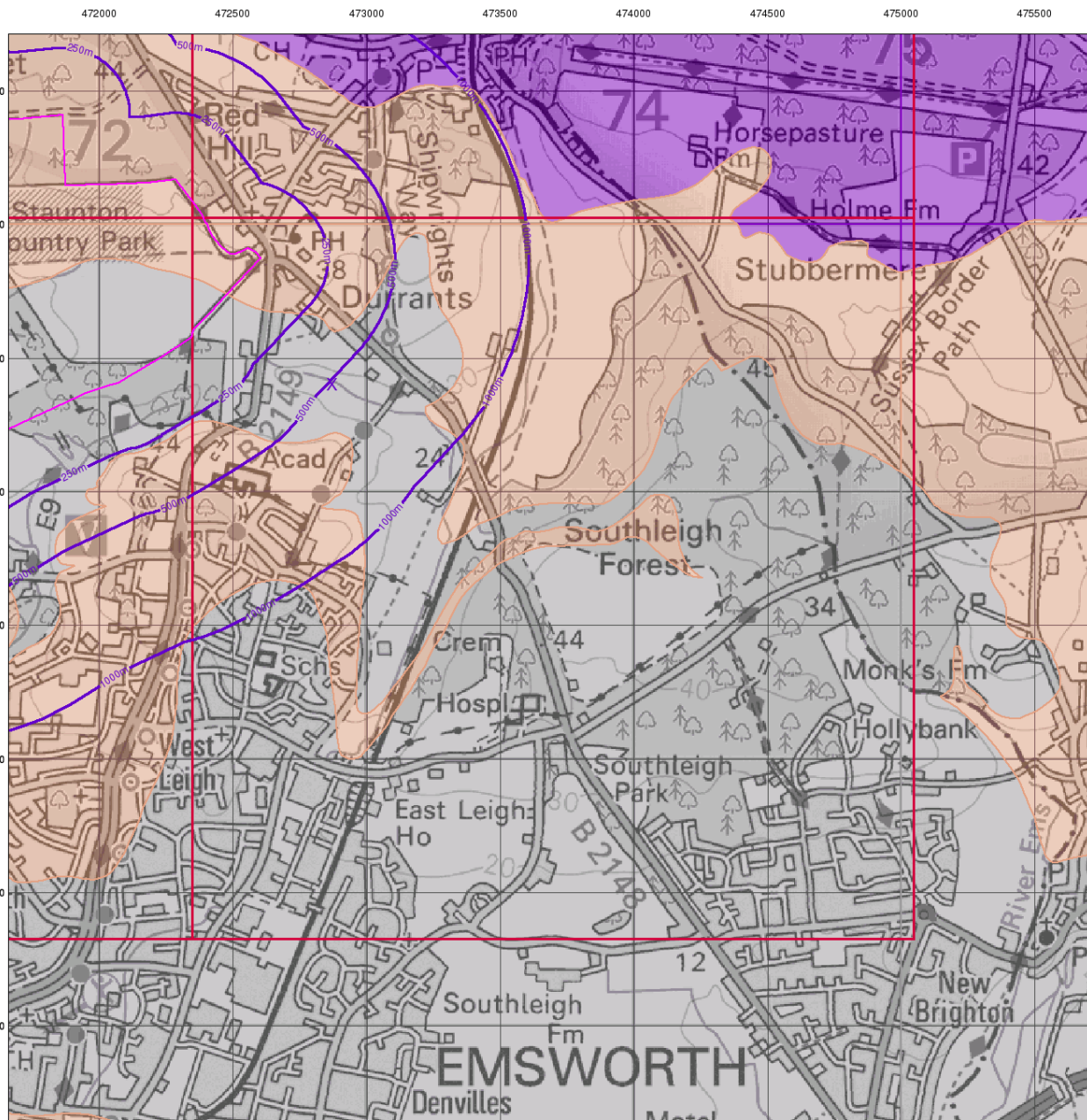




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ATKINS

Water and Hydrology

General

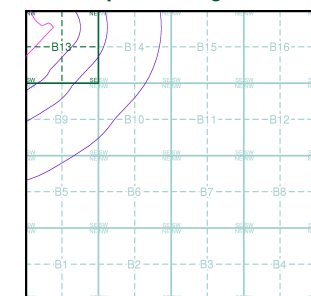
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Bedrock Aquifer Designations

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Bedrock Aquifer Designations - Slice B



Order Details

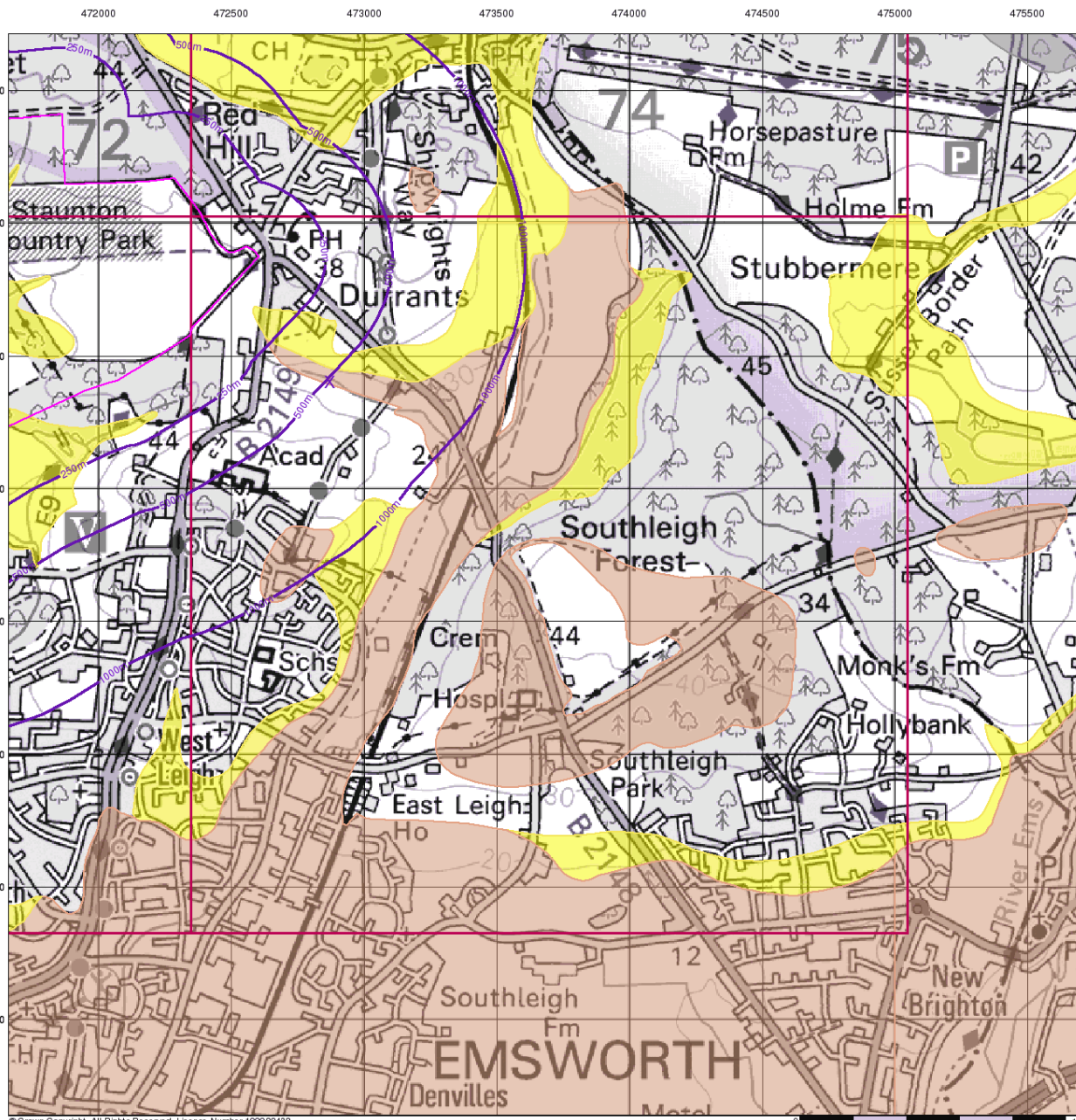
Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472870, 109400
 Slice: B
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

Site at 472000, 110000

Landmark
 INFORMATION GROUP

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



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ATKINS

Water and Hydrology

General

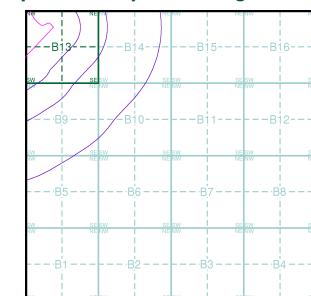
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Superficial Aquifer Designations

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Superficial Aquifer Designations - Slice B



Order Details

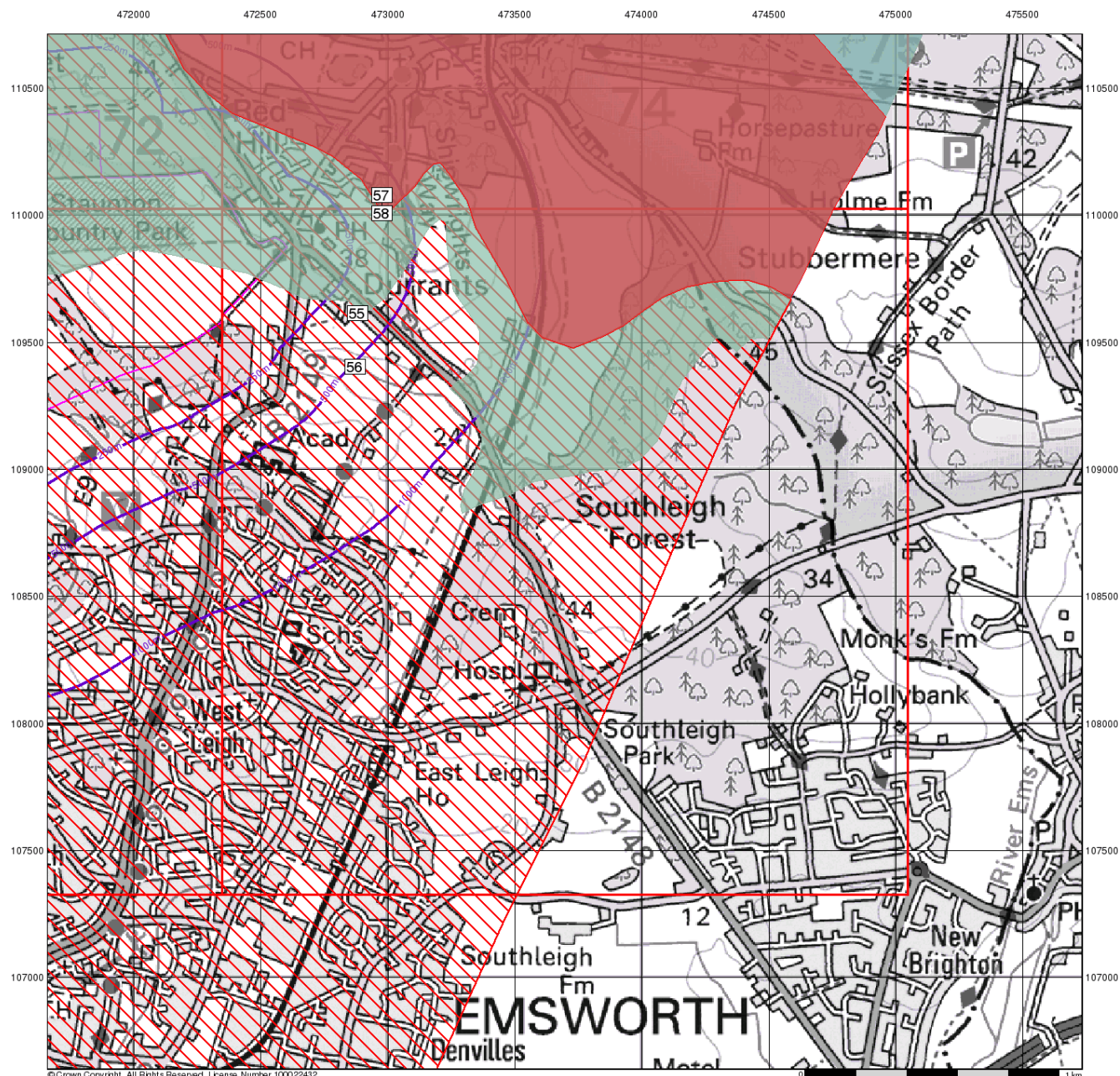
Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472870, 109400
 Slice: B
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

Site at 472000, 110000

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ATKINS

Water and Hydrology

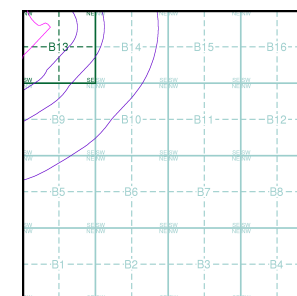
General

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

Source Protection Zones

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

Source Protection Zones - Slice B



Order Details

Order Number: 202069335_1_1
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Site Details

Site at 472000, 110000

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OS Explorer Map / 1:25 000 Scale Colour Raster

Customer Information

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Communications

ROADS AND PATHS

Not necessarily rights of way



Service area



Junction number

	Motorway
	Dual carriageway
	Main road
	Secondary road
	Narrow road with passing places
	Road under construction
	Road generally more than 4 m wide
	Road generally less than 4 m wide
	Other road, drive or track, fenced and unfenced
	Gradient: steeper than 20% (1 in 5); 14% (1 in 7) to 20% (1 in 5)
	Ferry; Ferry P - passenger only
	Path

RAILWAYS

	Multiple track	standard gauge
	Single track	
	{ Narrow gauge or Light rapid transit system (LRTS) and station	
	Road over; road under; level crossing	
	Cutting; tunnel; embankment	
	Station, open to passengers; siding	

PUBLIC RIGHTS OF WAY

(Rights of way are not shown on maps of Scotland)

	Footpath
	Bridleway
	Byway open to all traffic
	Restricted byway (not for use by mechanically propelled vehicles)

Public rights of way shown on this map have been taken from local authority definitive maps and later amendments.

Rights of way are liable to change and may not be clearly defined on the ground. Please check with the relevant local authority for the latest information

The representation on this map of any other road, track or path is no evidence of the existence of a right of way

OTHER PUBLIC ACCESS

Other routes with public access (not normally shown in urban areas)
The exact nature of the rights on these routes and the existence of any restrictions may be checked with the local highway authority. Alignments are based on the best information available

	National Trail / Long Distance Route		Recreational Route
	Permissive footpath	Footpaths and bridleways along which landowners have permitted public use but which are not rights of way. The agreement may be withdrawn	
	Permissive bridleway		
	Traffic-free cycle route		
	National cycle network route number - traffic free		National cycle network route number - on road

Scotland

In Scotland, everyone has access rights in law* over most land and inland water, provided access is exercised responsibly. **This includes walking, cycling, horse-riding and water access, for recreational and educational purposes, and for crossing land or water.**

Access rights do not apply to motorised activities, hunting, shooting or fishing, nor if your dog is not under proper control. The **Scottish Outdoor Access Code** is the reference point for responsible behaviour, and can be obtained at www.outdooraccess-scotland.com or by phoning your local Scottish Natural Heritage office. * Land Reform (Scotland) Act 2003



National Trust for Scotland,
always open / limited opening - observe local signs

Forestry Commission Land / Woodland Trust Land

England & Scotland



Firing and test ranges in the area. Danger! Observe warning notices
Champs de tir et d'essai. Danger! Se conformer aux avertissements
Schuss und Erprobungsgelände. Gefahr! Warningschilder beachten
Visit www.access.mod.uk for information

ACCESS LAND

England

Portrayal of access land on this map is intended as a guide to land which is normally available for access on foot, for example access land created under the Countryside and Rights of Way Act 2000, and land managed by the National Trust, Forestry Commission and Woodland Trust. Access for other activities may also exist. Some restrictions will apply; some land will be excluded from open access rights. The depiction of rights of access does not imply or express any warranty as to its accuracy or completeness. Observe local signs and follow the Countryside Code.

Visit www.countrysideaccess.gov.uk for up-to-date information



Access land
boundary and tint



Access land in
woodland area



Access information
point



Access permitted within managed
controls for example, local byelaws
Visit www.access.mod.uk
for information

General Information

VEGETATION

Limits of vegetation are defined by positioning of symbols

	Coniferous trees		Scrub		Orchard
	Non-coniferous trees		Bracken, heath or rough grassland		
	Coppice		Marsh, reeds or saltings		

GENERAL FEATURES

+	Place of worship		Gravel pit		Sand pit
Current or former place of worship	- with tower - with spire, minaret or dome		Other pit or quarry		Landfill site or slag/spoil heap
	Building; important building	BP/BS	Boundary post/stone		
	Glasshouse	CG	Cattle grid		
	Youth hostel	CH	Clubhouse		
	Bunkhouse/camping barn/other hostel	FB	Footbridge		
	Bus or coach station	MP; MS	Milepost; milestone		
	Lighthouse; disused lighthouse; beacon	Mon	Monument		
	Triangulation pillar; mast	PO	Post office		
	Windmill, with or without sails	Pol Sta	Police station		
	Wind pump; wind turbine	Sch	School		
	Electricity transmission line	TH	Town hall		
	Slopes	NTL	Normal tidal limit		
		-W; Spr	Well; spring		

BOUNDARIES

	National
	County (England)
	Unitary Authority (UA), Metropolitan District (Met Dist), London Borough (LB) or District (Scotland & Wales are solely Unitary Authorities)
	Civil Parish (CP) (England) or Community (C) (Wales)
	National Park boundary

HEIGHTS AND NATURAL FEATURES

52	Ground survey height	Surface heights are to the nearest metre above mean sea level. Where two heights are shown, the first height is to the base of the triangulation pillar and the second (in brackets) to the highest natural point of the hill
284	Air survey height	
	Vertical face/cliff	
	Loose rock	
	Boulders	
	Outcrop	
	Scree	
	Water	
	Mud	
	Sand; sand & shingle	

ARCHAEOLOGICAL AND HISTORICAL INFORMATION

	Site of antiquity	VILLA	Roman
	Site of battle (with date)	Castle	Non-Roman
	Visible earthwork		

Information provided by English Heritage for England and the Royal Commissions on the Ancient and Historical Monuments for Scotland and Wales

Selected Tourist and Leisure Information

RENSEIGNEMENTS TOURISME ET LOISIRS SÉLECTIONNÉS

AUSGEWÄHLTE INFORMATIONEN ZU TOURISTIK UND FREIZEITGESTALTUNG

	Parking / Park & Ride, all year/seasonal Parking / Parking et navette, ouvert toute l'année/en saison Parkplatz / Park & Ride, ganzjährig/saisonal		Walks/trails Promenades Wanderwege		Nature reserve Réserve naturelle Naturschutzgebiet
	Information centre, all year/seasonal Office de tourisme, ouvert toute l'année/en saison Informationsbüro, ganzjährig/saisonal		Cycle trail Piste cyclable Radfahrweg		Fishing Pêche Angeln
	Visitor centre Centre pour visiteurs Besucherzentrum		Mountain bike trail Chemin pour VTT Mountainbike-Strecke		Other tourist feature Autre site intéressant Sonstige Sehenswürdigkeit
	Forestry Commission visitor centre Commission Forestière: Centre de visiteurs Staatsforst Besucherzentrum		Cycle hire Location de vélos Fahrradverleih		Cathedral/Abbey Cathédrale/Abbaye Kathedrale/Abtei
	Public convenience Toilettes Öffentliche Toilette		Horse riding Equitation Reitstall		Museum Musée Museum
	Telephone, public/roadside assistance/emergency Téléphone, public/borne d'appel d'urgence/urgence Telefon, öffentlich/Notrufsäule/Notruf		Viewpoint Point de vue Aussichtspunkt		Castle/fort Château/Fortification Burg/Festung
	Camp site/caravan site Terrain de camping/Terrain pour caravanes Campingplatz/Wohnwagenplatz		Picnic site Emplacement de pique-nique Picknickplatz		Building of historic interest Bâtiment d'intérêt historique Historisches Gebäude
	Recreation/leisure/sports centre Centre de détente/loisirs/sports Erholungs-/Freizeit-/Sportzentrum		Country park Parc naturel Landschaftspark		Heritage centre Centre d'héritage Heimatismuseum
	Golf course or links Terrain de golf Golfplatz		Garden/arboretum Jardin/Arboretum Garten/Baumgarten		National Trust
	Theme/pleasure park Parc à thèmes/Parc d'agrément Vergnügungs-/Freizeitpark		Water activities Jeux aquatiques Wassersport		English Heritage
	Preserved railway Chemin de fer touristique Museumseisenbahn		Slipway Cale Helling		Historic Scotland
	Public house/s Pub/s Gaststätte/n		Boat trips Croisières en bateau Bootsfahrten		
	Craft centre Centre artisanal Zentrum für Kunsthandwerk		Boat hire Location de bateau Bootsverleih		

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

202069335_1_1

Customer Reference:

5169117

National Grid Reference:

472870, 109400

Slice:

B

Site Area (Ha):

172.43

Search Buffer (m):

1000

Site Details:

Site at 472000, 110000

Client Details:

Mr O Pengilly
Atkins Ltd
Woodcote Grove
Ashley Road
Epsom
Surrey
KT18 5BW

Report Section	Page Number
Summary	-
Ecology	1
Heritage	2
Water & Hydrology	3
Visual and Landscape	10
Data Currency	11
Data Suppliers	13
Useful Contacts	14

Introduction

The process of an Environmental Impact Assessment is governed by the Town and Country Planning (Environmental Impact Assessment) Regulations 2011. These regulations apply the EU directive "on the assessment of the effects of certain public and private projects on the environment" (usually referred to as the Environmental Impact Assessment Directive) to the planning system in England.

The aim of the Envirocheck Environmental Impact Assessment Report is to provide the necessary site-specific environmental data required to assess the potential environmental effects of a development. Ultimately this assessment is required by the local planning authority in order to decide whether or not to grant planning permission for a project, so as to protect the environment. The regulations set out a procedure for identifying those projects which should be subject to an Environmental Impact Assessment, and for assessing, consulting and coming to a decision on those projects which are likely to have significant environmental effects.

The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Ecology					
Ancient Woodland	pg 1	4	1	2	1
Areas of Adopted Green Belt					
Areas of Outstanding Natural Beauty					
Areas of Unadopted Green Belt					
Country Parks	pg 1	1			
Environmentally Sensitive Areas					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks	pg 1			1	
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 1	2			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
Heritage					
Historic Battlefields					
Listed Buildings	pg 2		1	1	
Scheduled Monuments					
World Heritage Sites					
Water & Hydrology					
Areas Benefiting from Flood Defences				n/a	n/a
BGS Groundwater Flooding Susceptibility	pg 3	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 3	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 4	Yes	n/a	n/a	n/a
OS Water Network Lines	pg 4	1	7	19	13
Extreme Flooding from Rivers or Sea without Defences	pg 8		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 8		Yes	n/a	n/a
Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Historic Flood Events				n/a	n/a
Source Protection Zones	pg 8	2		2	
Visual and Landscape					
Historic Parks, Gardens and Designed Landscapes	pg 10	1			

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Ancient Woodland Name: Not Supplied Reference: 1491335 Area(m ²): 16657.75 Type: Plantation on Ancient Woodland	(W)	0	1	471746 109274
2	Ancient Woodland Name: Forest Of Bere Reference: 1490469 Area(m ²): 989948.26 Type: Plantation on Ancient Woodland	(NW)	0	1	472020 110155
3	Ancient Woodland Name: Not Supplied Reference: 1490508 Area(m ²): 145244.95 Type: Ancient and Semi-Natural Woodland	(W)	0	1	472172 109466
4	Ancient Woodland Name: Hammonds Lands Copse Reference: 1490539 Area(m ²): 57529.77 Type: Ancient and Semi-Natural Woodland	B13SW (W)	0	1	472438 109365
5	Ancient Woodland Name: Not Supplied Reference: 1490443 Area(m ²): 9035.15 Type: Ancient and Semi-Natural Woodland	(W)	85	1	472027 109254
6	Ancient Woodland Name: Not Supplied Reference: 1491063 Area(m ²): 13818.48 Type: Ancient and Semi-Natural Woodland	B14NW (NE)	377	1	473053 109707
7	Ancient Woodland Name: Wakefords Copse Reference: 1490466 Area(m ²): 25294.8 Type: Ancient and Semi-Natural Woodland	B9SW (SW)	436	1	472498 108987
8	Ancient Woodland Name: Great Copse Reference: 1489822 Area(m ²): 49278.81 Type: Ancient and Semi-Natural Woodland	(SW)	557	1	471858 108585
9	Country Parks Name: Staunton Reference: 1421985 Area(m ²): 1937416.72	B13SW (W)	0	1	472611 109495
10	National Parks Name: South Downs Multiple Area: N Area(m ²): 1652679314.3 Source: Natural England Status: Fully Designated - designated as a National Park Designation Date: 2nd November 2009	(NE)	448	1	473760 110255
11	Nitrate Vulnerable Zones Name: Hampshire Chalk Description: Groundwater Source: Environment Agency, Head Office	B13SE (N)	0	2	472882 109599
12	Nitrate Vulnerable Zones Name: Chichester, Langstone And Portsmouth Harbours Eutrophic Nvz (Trac) Description: Eutrophic Water Source: Environment Agency, Head Office	B13SE (NE)	0	2	472871 109404

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	Listed Buildings Name: Rowlands Castle War Memorial Location: Not Supplied Reference: 1448130 Other Reference: Not Supplied Grade: Grade II Listed Building Registered Date: 31st July 2017 Source: Historic England Positional Accuracy: Positioned by the supplier	B13NW (NW)	64	3	472637 109933
14	Listed Buildings Name: The Beacon Location: Not Supplied Reference: 1339960 Other Reference: 135454 Grade: Grade II Listed Building Registered Date: 6th February 1984 Source: Historic England Positional Accuracy: Positioned by the supplier	B9NW (W)	331	3	472361 109195

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Areas Benefiting from Flood Defences None				
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	4	471700 109750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	4	471850 110000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	4	471950 109850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(W)	0	4	471800 109750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B13NW (NW)	0	4	472500 109750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B13NE (N)	0	4	472850 109800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	4	471700 109600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	4	471750 109600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(W)	0	4	471700 109700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	4	471850 109500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	4	471850 109250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	4	472300 110000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B13NE (N)	0	4	472750 110000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B13NE (N)	0	4	472850 109900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	4	471700 109650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(W)	0	4	472000 109200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NW)	0	4	471700 110150
	Bedrock Aquifer Designations Aquifer Desination: Secondary Aquifer - A	B9NE (S)	0	2	472885 109219
	Bedrock Aquifer Designations Aquifer Desination: Secondary Aquifer - A	B13SE (N)	0	2	472882 109599
	Bedrock Aquifer Designations Aquifer Desination: Secondary Aquifer - A	B13NE (N)	0	2	472871 110000
	Bedrock Aquifer Designations Aquifer Desination: Unproductive Strata	B13SE (NE)	0	2	472871 109404

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(W)	0	2	472221 109283
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(NW)	0	2	471660 110000
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 338.0 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13SW (W)	0	5	472359 109613
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 372.0 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13NW (NW)	2	5	472592 109897
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 358.1 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13NW (NW)	2	5	472497 109753
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 231.8 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13SW (NW)	10	5	472578 109543
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 128.7 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13SW (W)	185	5	472392 109354
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.9 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13SW (NW)	207	5	472589 109541
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.6 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13SW (W)	207	5	472611 109495
22	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 11.4 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13SW (NW)	215	5	472598 109535

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.5 Watercourse Level: Underground Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13SW (W)	263	5	472621 109483
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.5 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13SW (W)	278	5	472621 109477
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 136.7 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13SE (N)	282	5	472878 109556
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.3 Watercourse Level: Underground Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13SW (W)	283	5	472627 109469
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.1 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13SW (W)	293	5	472650 109459
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.2 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13SW (W)	317	5	472651 109458
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 143.2 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13SE (W)	317	5	472786 109417
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.1 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13SW (W)	326	5	472643 109438
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 88.8 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13SE (N)	342	5	472893 109663

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 5.5 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13NE (N)	342	5	472923 109747
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 108.5 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13SE (N)	356	5	472878 109556
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 286.1 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13SE (NE)	415	5	472945 109496
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13SE (W)	444	5	472786 109417
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 156.6 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13SE (S)	444	5	472867 109392
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: Underground Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13SE (W)	446	5	472785 109412
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 84.6 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13SE (W)	449	5	472782 109405
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.9 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B9NE (SW)	480	5	472755 109325
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 132.4 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B9NE (SW)	489	5	472742 109290

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: Underground Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B9NE (SW)	489	5	472744 109293
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 141.5 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B13SE (SE)	587	5	472935 109367
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.0 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B10NW (SE)	695	5	473059 109303
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 490.1 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B10NW (SE)	721	5	473059 109303
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 86.9 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B9NE (S)	836	5	472990 109030
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 114.2 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B10NW (SE)	844	5	473041 109017
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.0 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B10NW (SE)	894	5	473043 109017
48	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 28.3 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B10NW (SE)	904	5	473053 109014
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.8 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B10NW (SE)	921	5	473120 109046

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.7 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B10NW (SE)	939	5	473132 109061
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 114.4 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 2	B10NW (SE)	939	5	473120 109046
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.4 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B10NW (SE)	939	5	473138 109069
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.3 Watercourse Level: Underground Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B10NW (SE)	940	5	473133 109063
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.5 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	B14SE (E)	967	5	473536 109610
	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	B13SE (NE)	14	6	472871 109404
	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	B13SE (NE)	49	6	472871 109404
	Flood Defences None				
	Flood Water Storage Areas None				
	Historic Flood Events None				
55	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	B13SE (N)	0	6	472882 109613
56	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone Ic (Inner Protection Zone): Travel time of 50 days or less to the groundwater source - subsurface activity only.	B13SE (NE)	0	6	472871 109404

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	B13NE (N)	254	6	472978 110009
58	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	B13NE (N)	254	6	472977 110008

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	Historic Parks, Gardens and Designed Landscapes Name: Leigh Park (Staunton Country Park) Reference: 1000112 Area(m²): 944958.37 Type: Grade II* Historic Park, Garden or Designed Landscape Source: Historic England Registered Date: 31st May 1984	B13SW (W)	0	7	472608 109499

Ecology	Version	Update Cycle
Ancient Woodland Natural England	August 2018	Bi-Annually
Areas of Outstanding Natural Beauty Natural England	August 2018	Bi-Annually
Country Parks Natural England	October 2017	Annually
Environmentally Sensitive Areas Natural England	January 2017	
Local Nature Reserves Natural England	March 2019	Bi-Annually
Marine Nature Reserves Natural England	January 2018	Bi-Annually
National Nature Reserves Natural England	August 2018	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	April 2019	Bi-Annually
Sites of Special Scientific Interest Natural England	March 2019	Bi-Annually
Special Areas of Conservation Natural England	August 2018	Bi-Annually
Special Protection Areas Natural England	April 2019	Bi-Annually
Heritage	Version	Update Cycle
Listed Buildings Historic England	February 2018	Bi-Annually

Agency & Hydrological	Version	Update Cycle
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2019	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
OS Water Network Lines Ordnance Survey	January 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2019	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2019	Quarterly
Flood Defences Environment Agency - Head Office	February 2019	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2019	Quarterly
Historic Flood Events Environment Agency - Head Office	February 2019	Quarterly
Source Protection Zones Environment Agency - Head Office	January 2019	Quarterly
Visual and Landscape	Version	Update Cycle
Historic Parks, Gardens and Designed Landscapes Historic England	July 2018	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	

Contact	Name and Address	Contact Details
1	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
2	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
3	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9966 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk
4	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
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
7	Historic England 1 Waterhouse Square, 138 - 142 Holborn, London, EC1N 2ST	Telephone: 0370 333 0607 Email: customers@historicengland.org.uk Website: www.historicengland.org.uk
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

Site Sensitivity

General

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

Ecology

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Country Parks
- 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

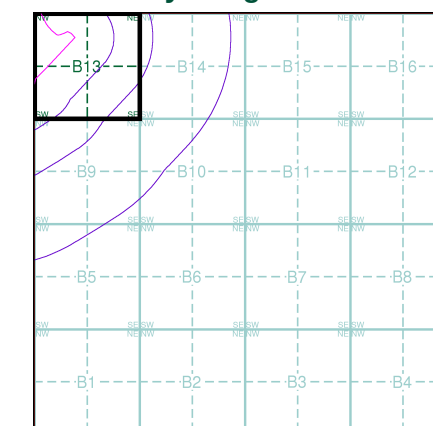
Heritage

- Historic Battlefields
- Scheduled Monuments
- Listed Buildings
- World Heritage Sites

Visual and Landscape

- Historic Parks, Gardens and Designed Landscapes

Site Sensitivity - Segment B13

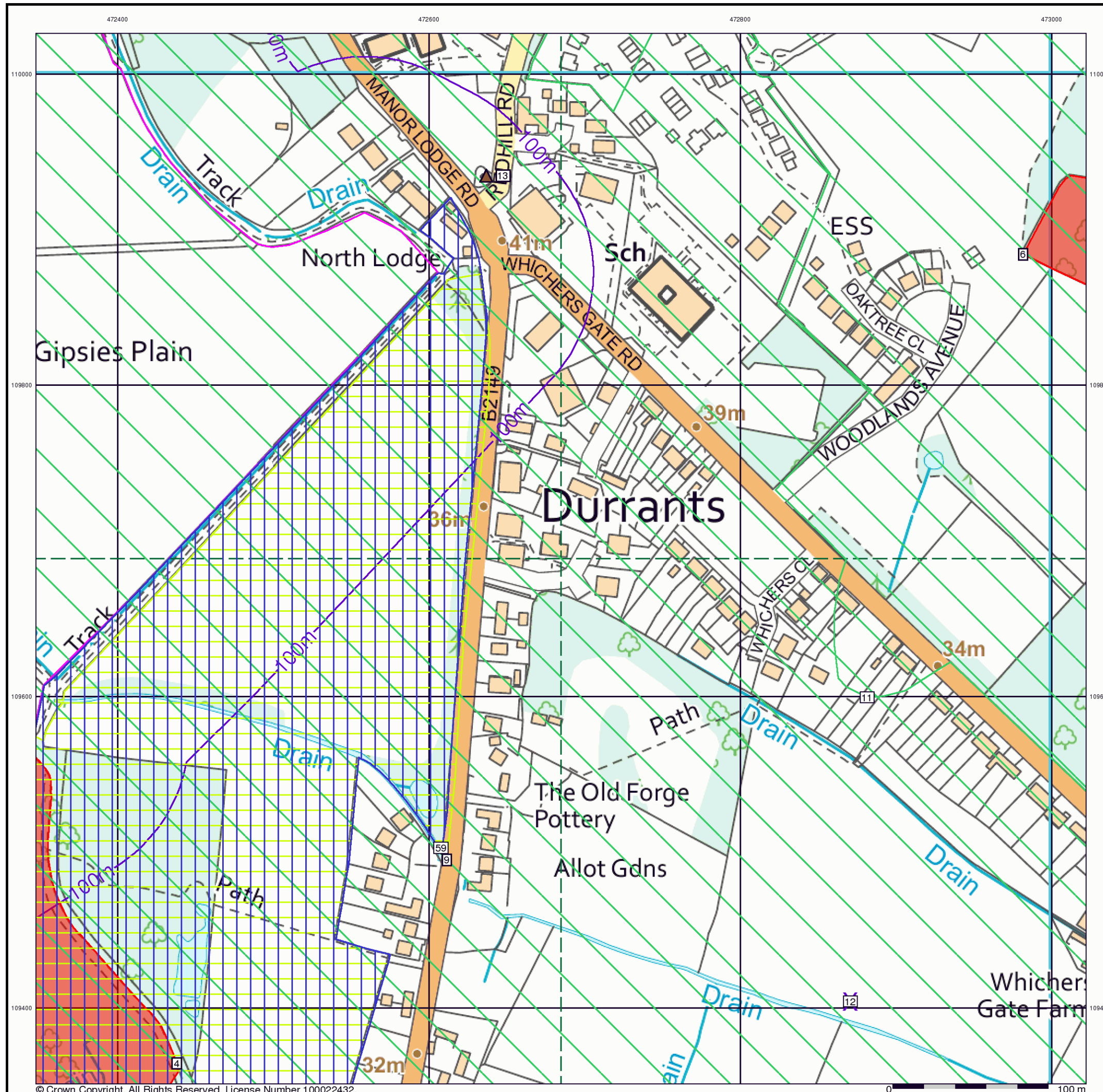


Order Details

Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472870, 109400
 Slice: B
 Site Area (Ha): 172.43

Site Details

Site at 472000, 110000





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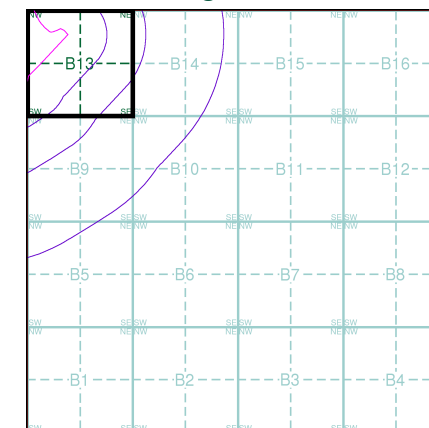
Aerial Photo

General

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

Published Date(s):
2018

Aerial Photo - Segment B13



Order Details

Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43

Site Details

Site at 472000, 110000

Landmark
INFORMATION GROUP

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

Site Sensitivity

General

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

Ecology

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
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- Country Parks
- 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

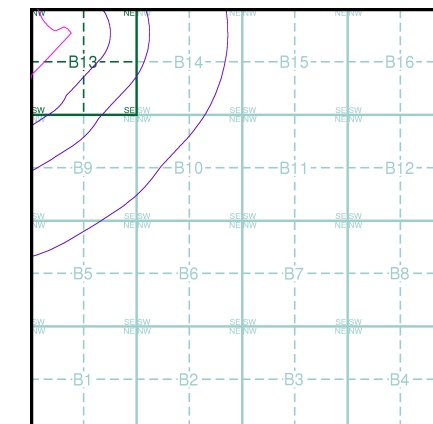
Heritage

- Historic Battlefields
- Scheduled Monuments
- Listed Buildings
- World Heritage Sites

Visual and Landscape

- Historic Parks, Gardens and Designed Landscapes

Site Sensitivity - Slice B

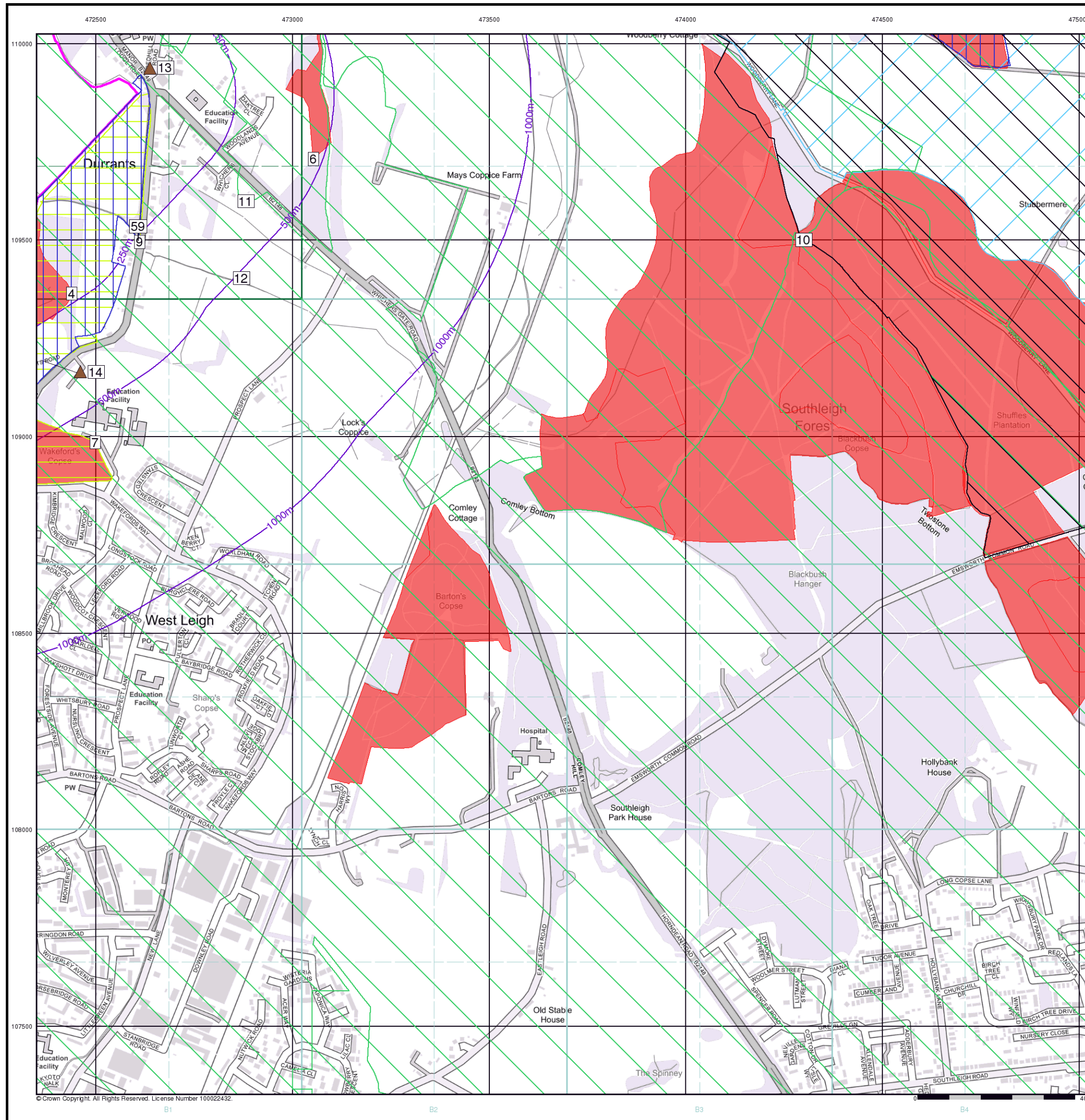


Order Details

Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472870, 109400
 Slice: B
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

Site at 472000, 110000



Water and Hydrology

General

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

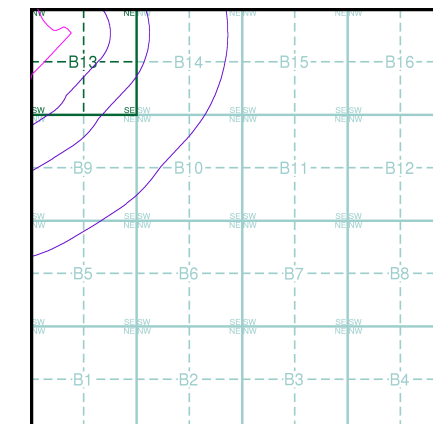
Flood

- 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

Contours (height in meters)

- Standard Contour
- Master Contour
- Spot Height
- MLW Mean Low Water
- MHW Mean High Water

Flood - Slice B

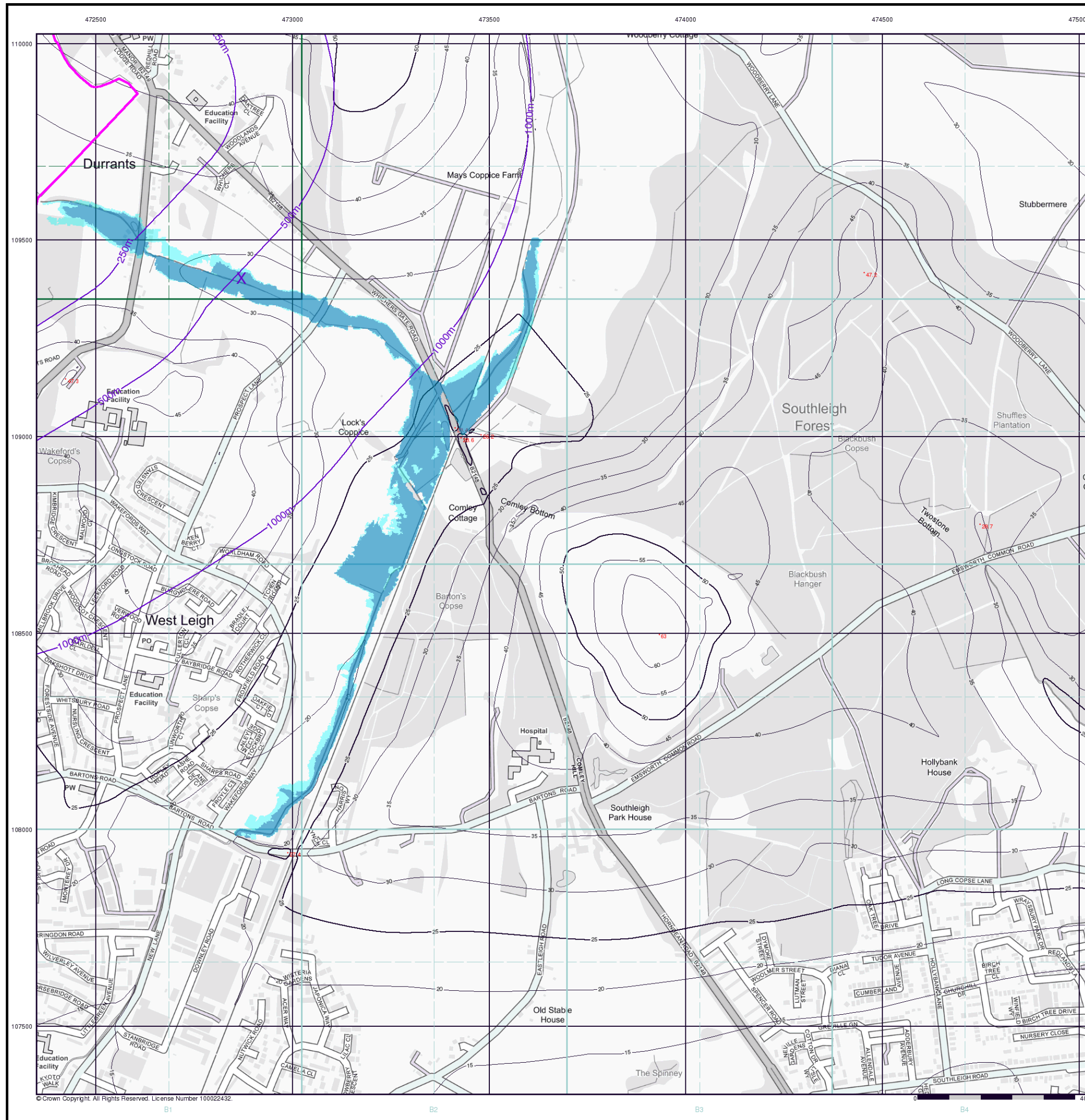


Order Details

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 National Grid Reference: 472870, 109400
 Slice: B
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

Site at 472000, 110000



Water And Hydrology

General

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

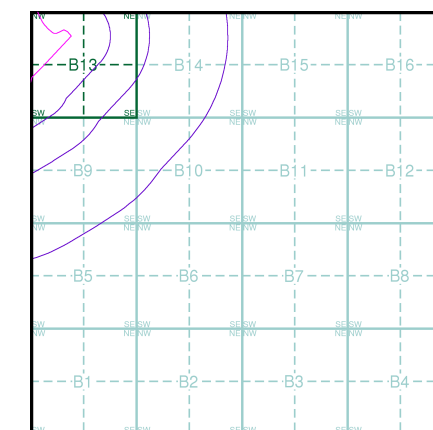
OS Water Network Data

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

Contours (height in meters)

- Standard Contour MLW Mean Low Water
- Master Contour MHW Mean High Water
- Spot Height 167.3

OS Water Network - Slice B

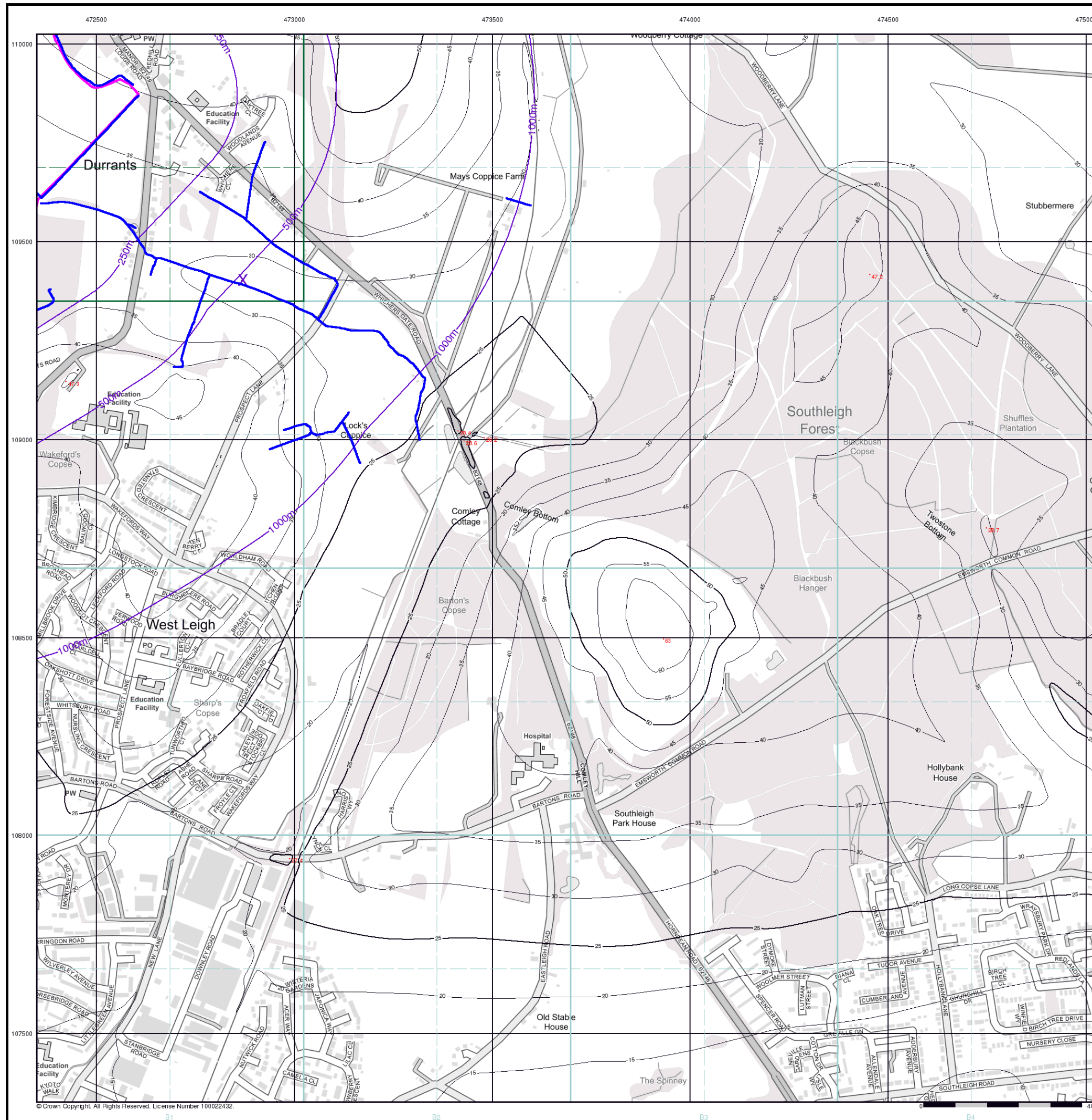


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Site Details

Site at 472000, 110000



Water and Hydrology

General

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

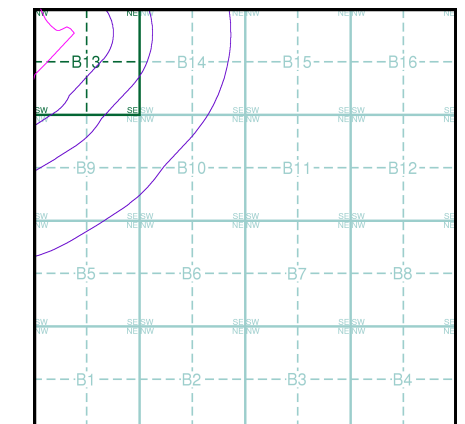
Historic Flood

- Channel Capacity Exceeded (no raised defences)
- Channel Capacity Exceeded /Surface Water
- Groundwater/High Water Table
- Local Drainage/Surface Water
- Mechanical Failure
- Obstruction/Blockage - Bridge
- Obstruction/Blockage - Channel
- Historical Flood Liabilities
- Obstruction/Blockage - Culvert
- Obstruction/Blockage - Debris Screen
- Operational Failure/ Breach of Defence
- Other
- Overtopping of Defences
- Surface Water
- Unknown

Contours (height in meters)

- Standard Contour
- Master Contour
- Spot Height
- MLW Mean Low Water
- MHW Mean High Water

Historic Flood - Slice B

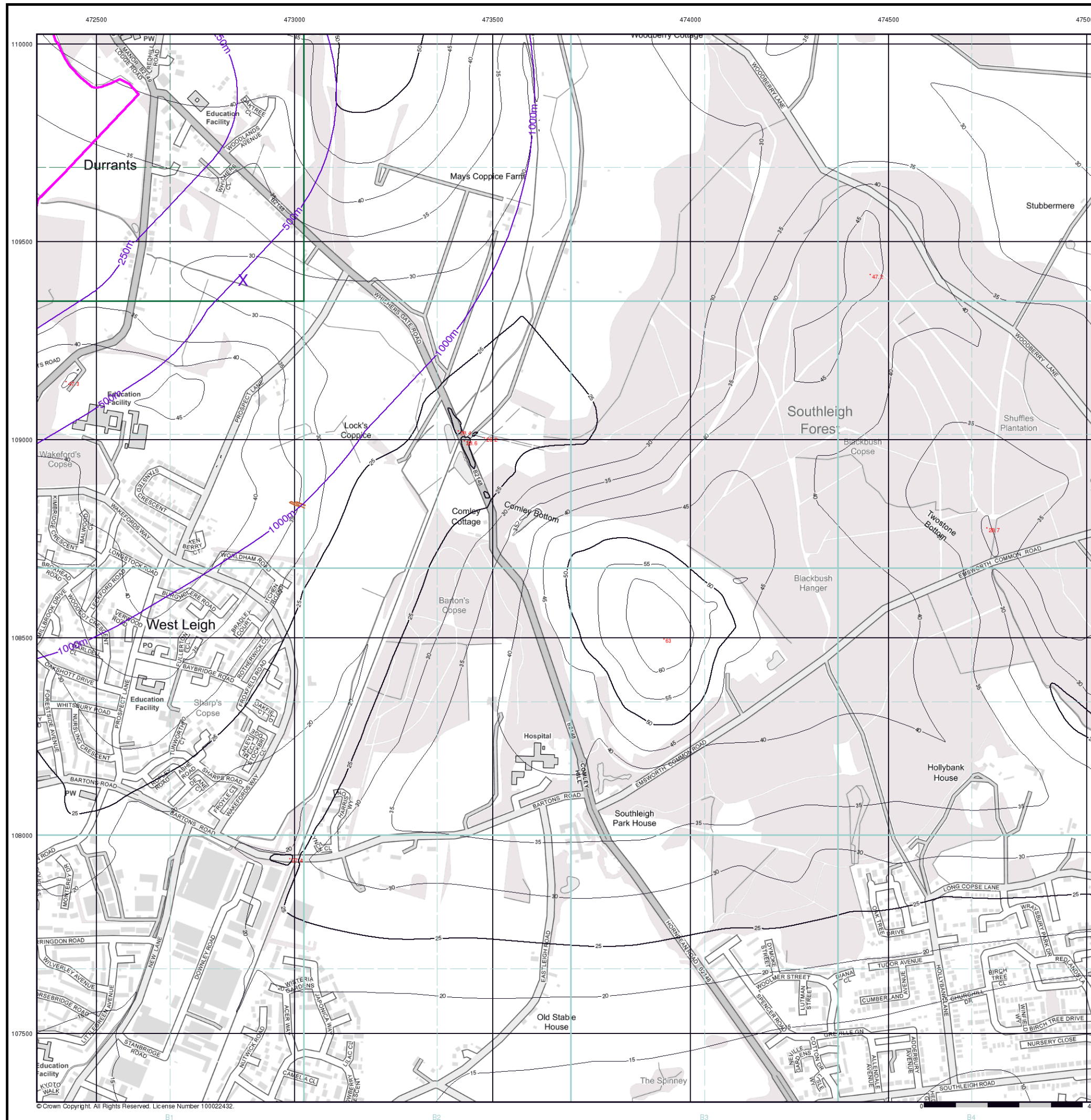


Order Details

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 Slice: B
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

Site at 472000, 110000





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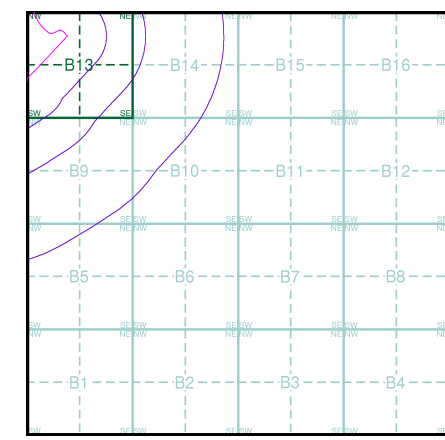
Aerial Photo

General

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

Published Date(s):
2018

Aerial Photo - Slice B



Order Details

Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details

Site at 472000, 110000

Landmark
INFORMATION GROUP

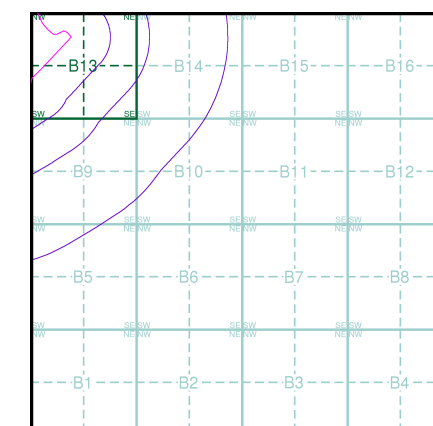
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Site Location

General

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

Site Location - Slice B

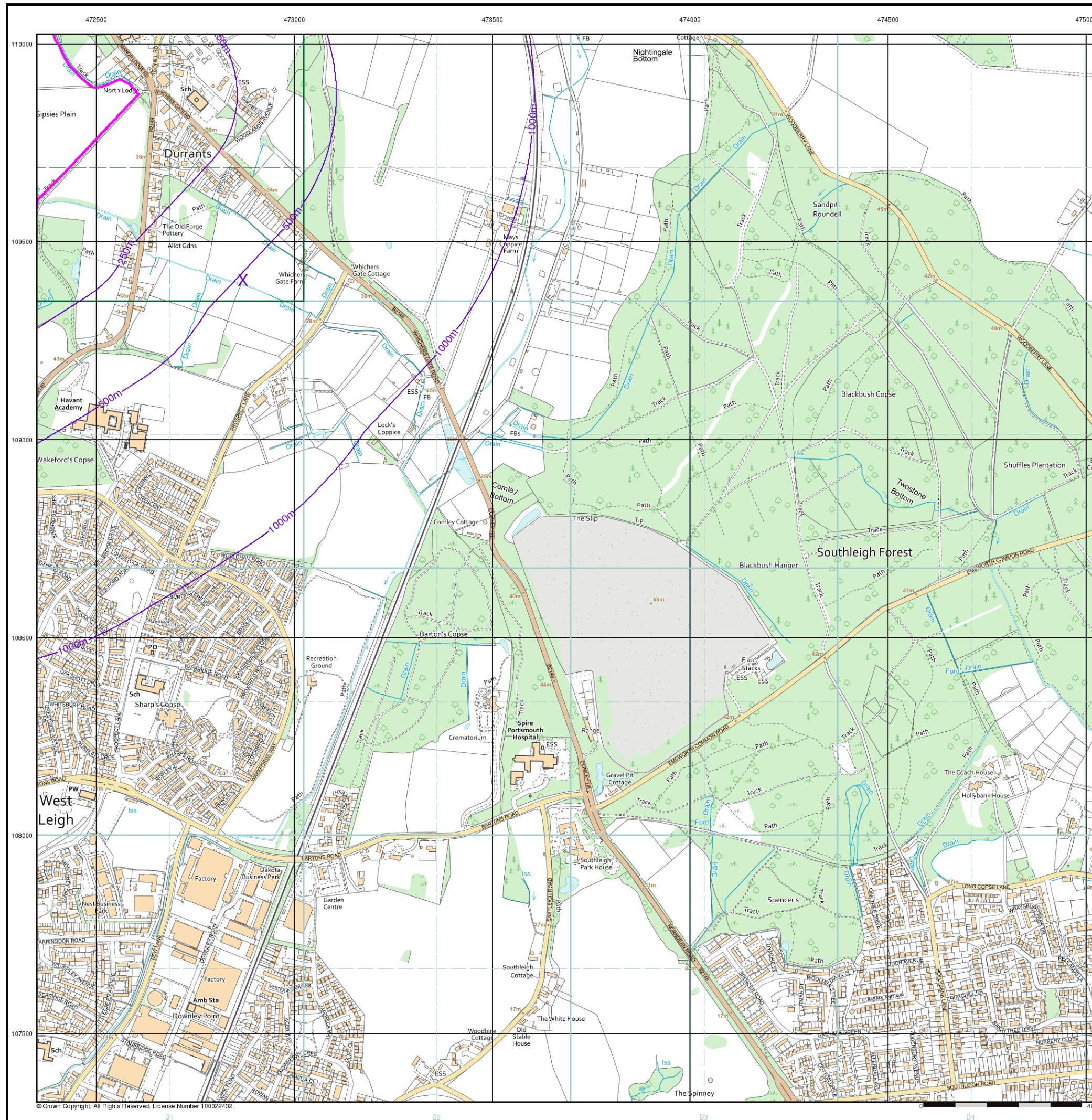


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 Slice: B
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

Site at 472000, 110000



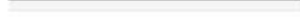
OS VectorMap® Local

Colour Raster version

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COMMUNICATIONS (TRANSPORT)

Depicted roads are not necessarily rights of way

	Motorway
	Primary road
	Main road ('A' road)
	Secondary road ('B' road)
	Minor road
	Local street
	Private road with public access
	Pedestrianised street
	Multiple track railway
	Single track railway or siding
	Narrow gauge railway
	Road or rail tunnel

SETTLEMENT

	Building		Important building
	Glasshouse		
	Overhead building line		

VEGETATION

	Broad-leaved woodland		Coniferous woodland
	Mixed woodland		Orchard
	Shrub		Unimproved grass
	Heathland		Marsh
	Reeds		

WATER FEATURES

	Water (surface or tidal)
	Water
	Mean high water
	Mean low water
	Direction of flow arrows
	Water point features (for example Wells, Springs)

HEIGHT

Surface heights are in metres above mean sea level

57m Height

LANDFORMS

	Ornament
	Inland rock
	Boulders
	Shingle
	Cliff
	Large slopes
	Standard slopes
	Mud
	Sand
	Gravel pit
	Sand pit
	Refuse tip or slag heap

POINT & LINE FEATURES

	General line detail
	Overhead detail
	Telephone line
	Electricity transmission line
	Pylon
	Triangulation station
	Point features (for example Shafts, Posts)
	Site of antiquity

COMMON ABBREVIATIONS

CG.....	Cattle grid
Chy.....	Chimney
Coll.....	College
Ct.....	Court
El Sub Sta.....	Electricity sub station
FB.....	Footbridge
Fl Sk.....	Flare stack
Fn.....	Fountain
FS.....	Flagstaff
GP.....	Guide post
LC.....	Level crossing
Liby.....	Library
Meml.....	Memorial
MHW(s).....	Mean high water (springs)
MLW(s).....	Mean low water (springs)
Mon.....	Monument
MP, MS.....	Mile post or stone
NTL.....	Normal tidal water
P, Ps.....	Post(s) or pole(s)
PH.....	Public House
PO.....	Post office
Pol Sta.....	Police Station
PW.....	Place of worship
Sch.....	School
Spr.....	Spring
Sta.....	Station
Tk.....	Tank or track
W.....	Well

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

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

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary
	RTDU	River Terrace Deposits (Undifferentiated)	Sand, Silt and Clay	Not Supplied - Quaternary
	HEAD	Head	Clay And Gravel	Not Supplied - Quaternary
	RSB2	Raised Storm Beach Deposits, 2	Gravel	Not Supplied - Quaternary
	CWF	Clay-with-flints Formation	Clay, Silt, Sand and Gravel	Not Supplied - MIOCENE

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LC	London Clay Formation	Sand	Not Supplied - Ypresian
	LC	London Clay Formation	Clay, Silt and Sand	Not Supplied - Ypresian
	BOSA	Bognor Sand Member	Sand	Not Supplied - Eocene
	LMBE	Lambeth Group	Clay, Silt and Sand	Not Supplied - Thanetian
	LMBE	Lambeth Group	Sand	Not Supplied - Thanetian
	TACH	Tarrant Chalk Member	Chalk	Not Supplied - Campanian
		Faults		

ATKINS

Geology 1:50,000 Maps

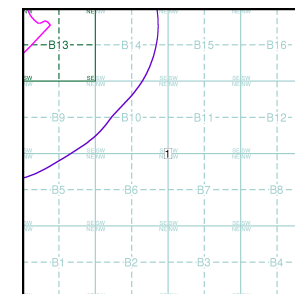
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published 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:	316
Map Name:	Fareham
Map Date:	1998
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice B



Order Details:

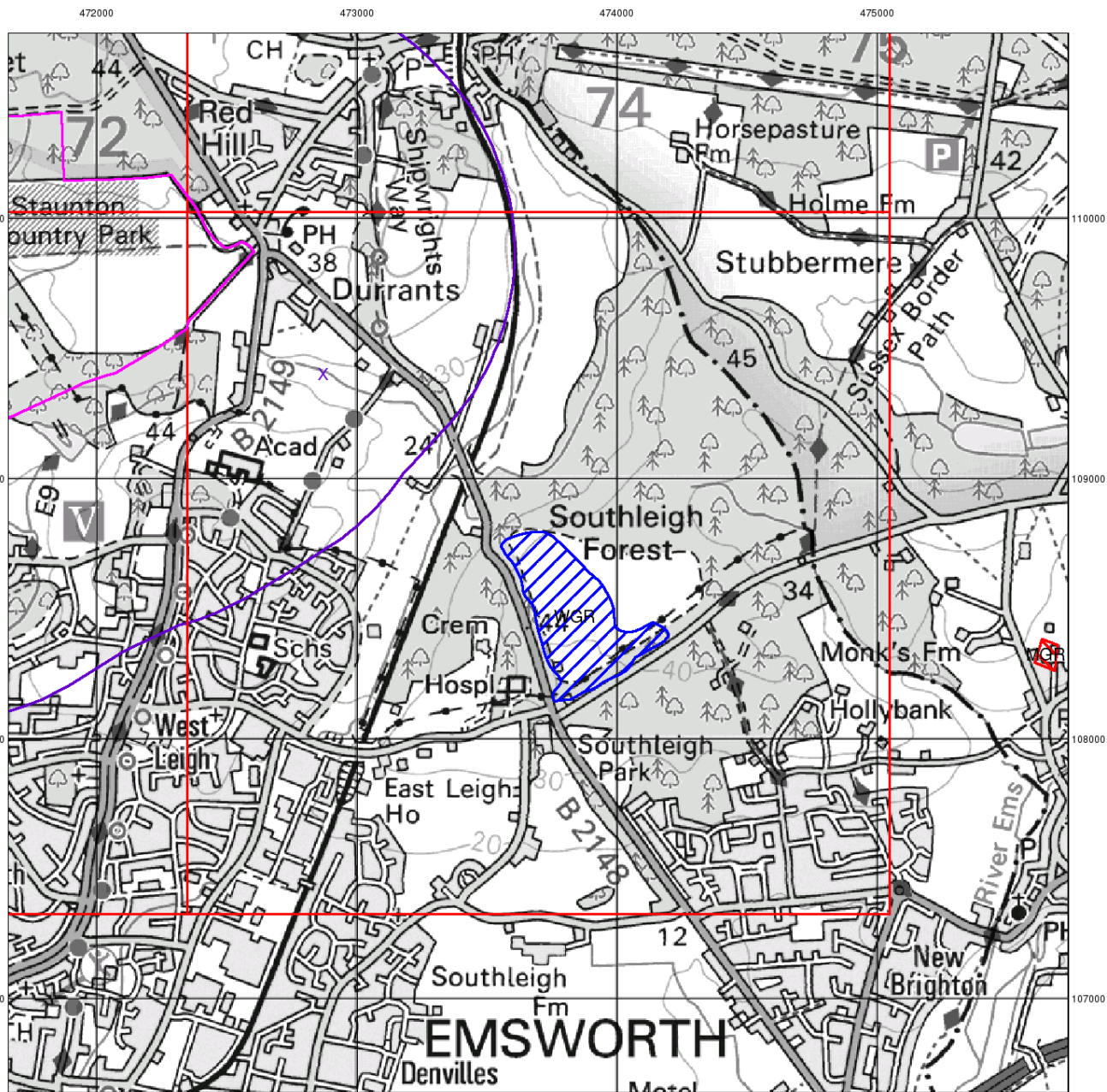
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Customer Reference:	5169117
National Grid Reference:	472870, 109400
Slice:	B
Site Area (Ha):	172.43
Search Buffer (m):	1000

Site Details:

Site at 472000, 110000

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Artificial Ground and Landslip

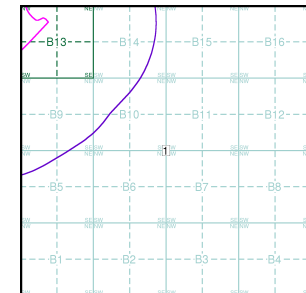
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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



Order Details:

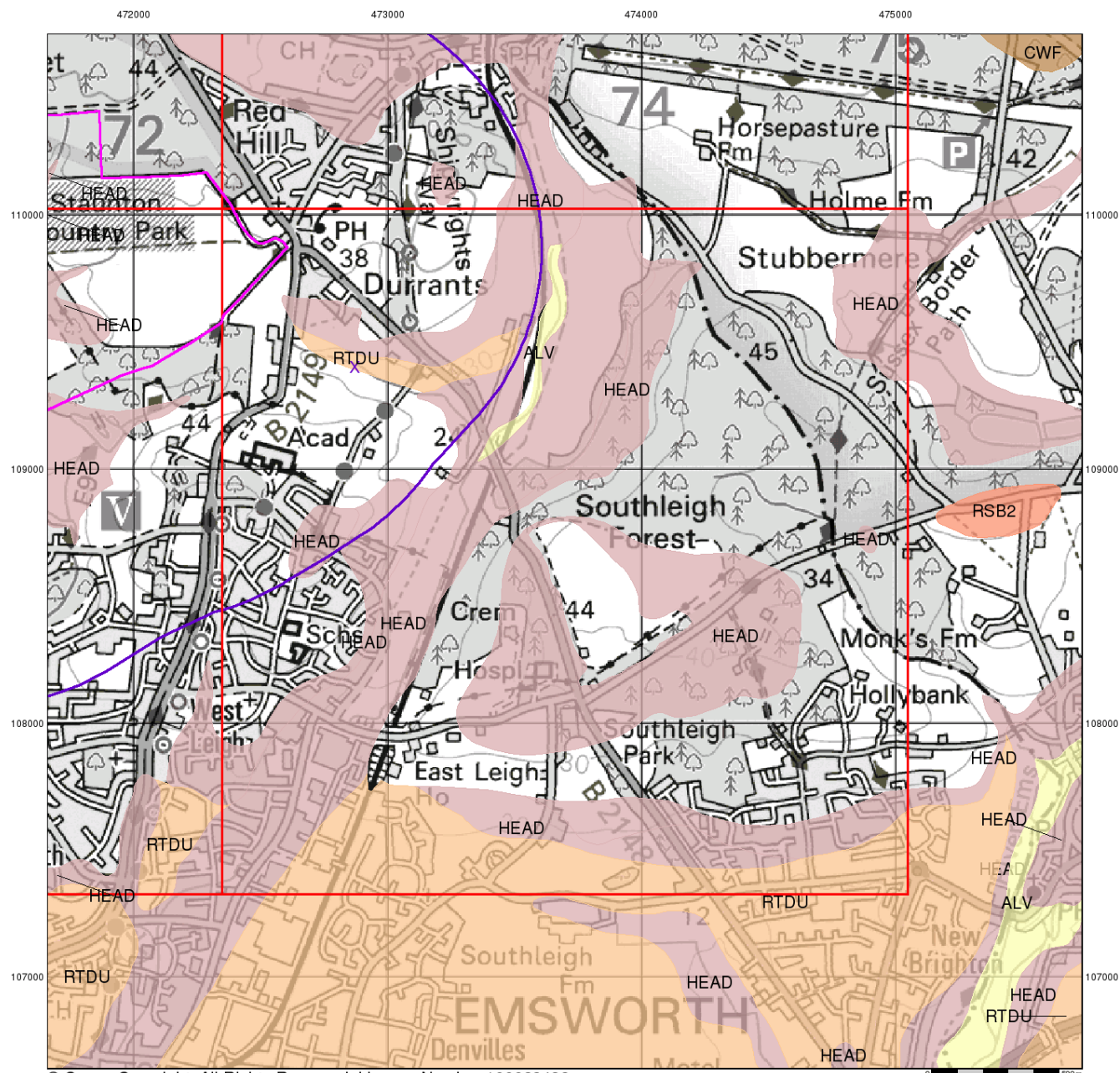
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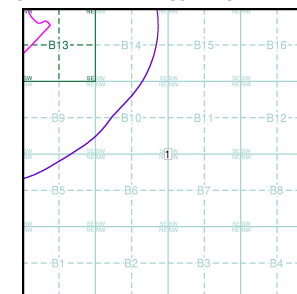
Superficial Geology

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 B



Order Details:

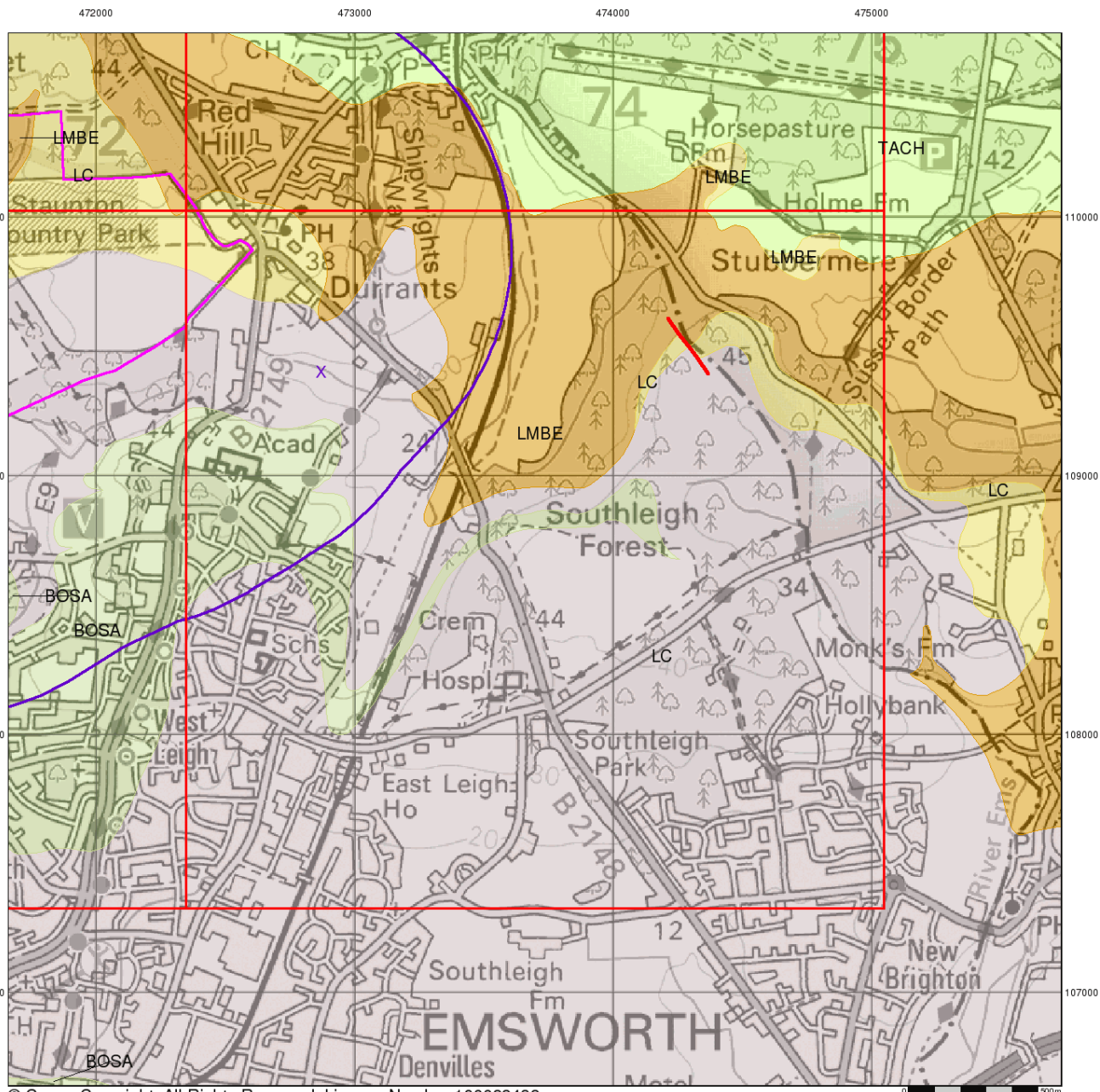
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Customer Reference: 5169117
National Grid Reference: 472870, 109400
Slice: B
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Bedrock and Faults

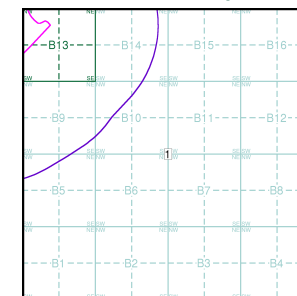
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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 B



Order Details:

Order Number: 202069335_1_1
 Customer Reference: 5169117
 National Grid Reference: 472870, 109400
 Slice: B
 Site Area (Ha): 172.43
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Site Details:

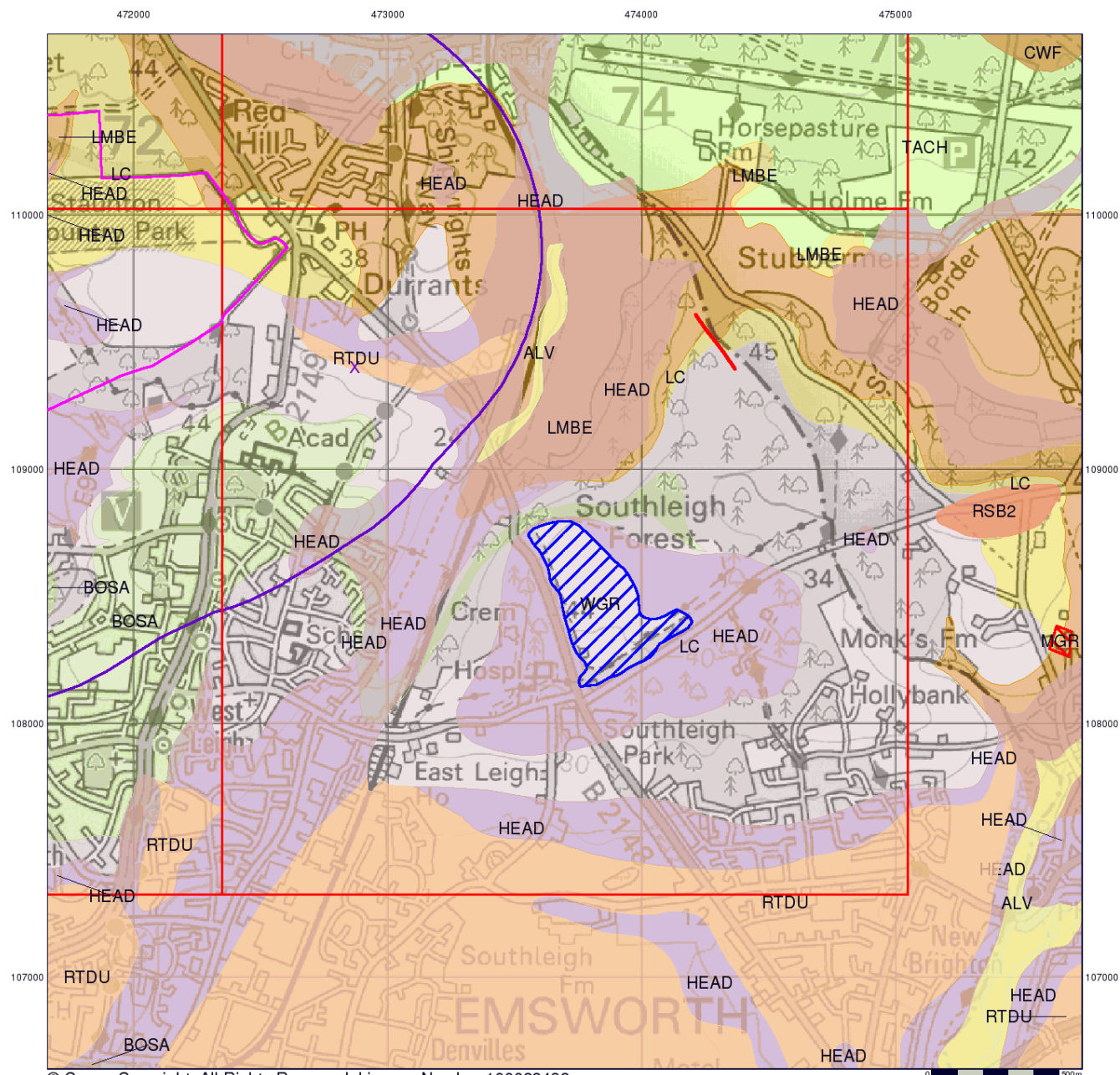
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Combined Surface Geology

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.

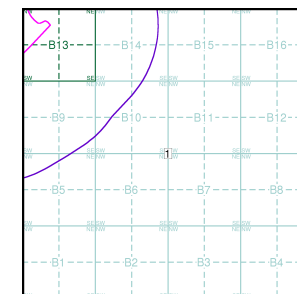
Additional Information

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 B



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Page 5 of 5

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

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

1:10,000 Raster Mapping

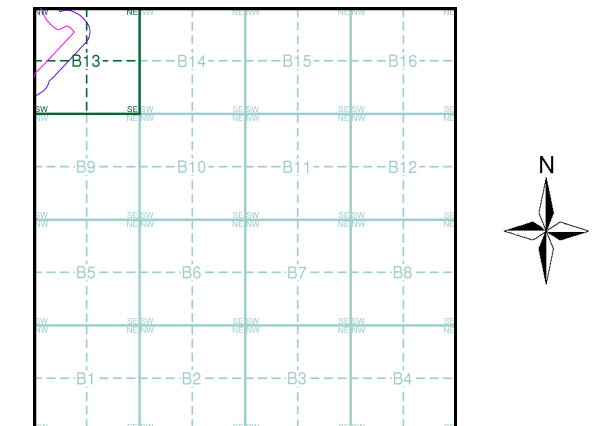
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil,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

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:10,560	1870	3
Sussex	1:10,560	1879 - 1880	4
Hampshire & Isle Of Wight	1:10,560	1898	5
Sussex	1:10,560	1899	6
Hampshire & Isle Of Wight	1:10,560	1909 - 1910	7
Sussex	1:10,560	1914	8
Sussex	1:10,560	1914	9
Sussex	1:10,560	1914	10
Hampshire & Isle Of Wight	1:10,560	1931 - 1933	11
Hampshire & Isle Of Wight	1:10,560	1931	12
Sussex	1:10,560	1932	13
Sussex	1:10,560	1932	14
Sussex	1:10,560	1932	15
Hampshire & Isle Of Wight	1:10,560	1933	16
Hampshire & Isle Of Wight	1:10,560	1938	17
Historical Aerial Photography	1:10,560	1947 - 1949	18
Ordnance Survey Plan	1:10,000	1962 - 1963	19
Ordnance Survey Plan	1:10,000	1966	20
Ordnance Survey Plan	1:10,000	1973 - 1975	21
Ordnance Survey Plan	1:10,000	1973	22
Ordnance Survey Plan	1:10,000	1982	23
Havant	1:25,000	1983	24
Portsmouth	1:10,000	1988	25
Ordnance Survey Plan	1:10,000	1991 - 1992	26
10K Raster Mapping	1:10,000	2000	27
10K Raster Mapping	1:10,000	2006	28
VectorMap Local	1:10,000	2019	29

Historical Map - Slice B



Order Details

Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details

Site at 472000, 110000

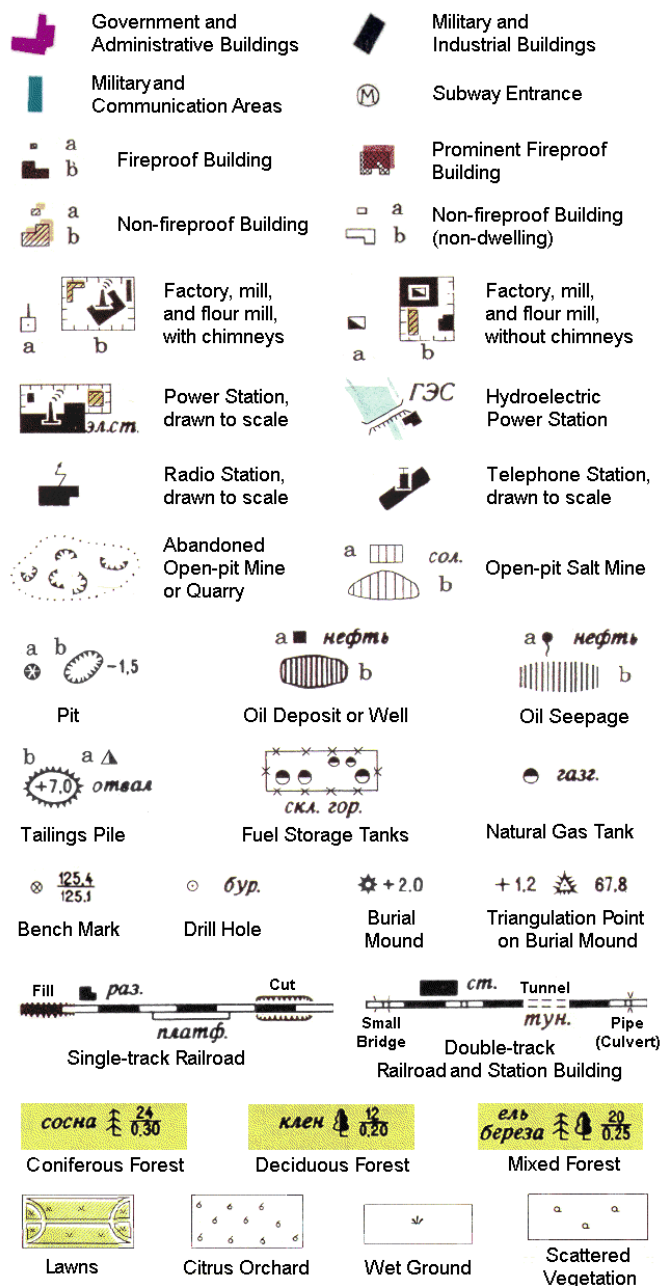
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Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale



243.8 Values for prominent elevations

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

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

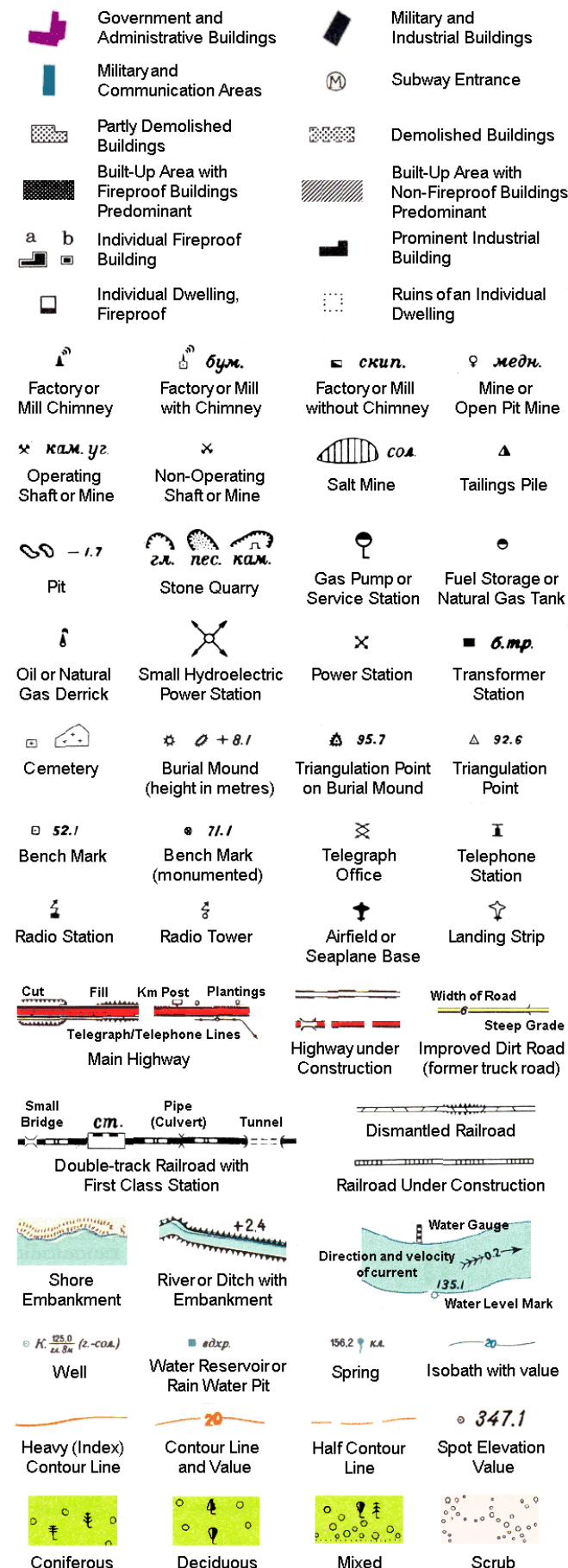
180/12 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

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

А а (A)	З з (Z)	П п (P)	Ч ч (CH)
Б б (B)	И и (I)	Р р (R)	Ш ш (SH)
В в (V)	Й й (Y)	С с (S)	Щ щ (SHCH)
Г г (G)	К к (K)	Т т (T)	Ъ (-)
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



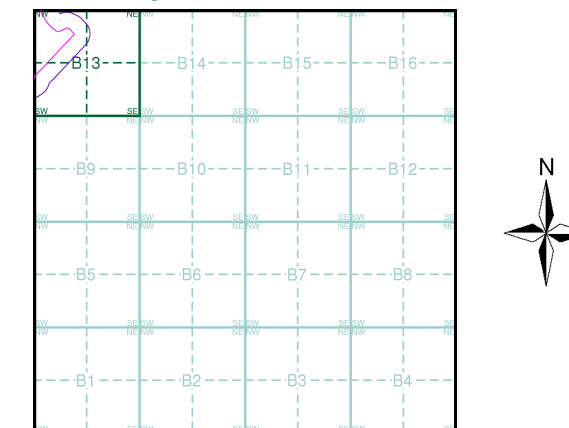
Key to Numbers on Mapping

ATKINS

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:10,560	1870	3
Sussex	1:10,560	1879 - 1880	4
Hampshire & Isle Of Wight	1:10,560	1898	5
Sussex	1:10,560	1899	6
Hampshire & Isle Of Wight	1:10,560	1909 - 1910	7
Sussex	1:10,560	1914	8
Sussex	1:10,560	1914	9
Sussex	1:10,560	1914	10
Hampshire & Isle Of Wight	1:10,560	1931 - 1933	11
Hampshire & Isle Of Wight	1:10,560	1931	12
Sussex	1:10,560	1932	13
Sussex	1:10,560	1932	14
Sussex	1:10,560	1932	15
Hampshire & Isle Of Wight	1:10,560	1933	16
Hampshire & Isle Of Wight	1:10,560	1938	17
Historical Aerial Photography	1:10,560	1947 - 1949	18
Ordnance Survey Plan	1:10,000	1962 - 1963	19
Ordnance Survey Plan	1:10,000	1966	20
Ordnance Survey Plan	1:10,000	1973 - 1975	21
Ordnance Survey Plan	1:10,000	1973	22
Ordnance Survey Plan	1:10,000	1982	23
Havant	1:25,000	1983	24
Portsmouth	1:10,000	1988	25
Ordnance Survey Plan	1:10,000	1991 - 1992	26
10K Raster Mapping	1:10,000	2000	27
10K Raster Mapping	1:10,000	2006	28
VectorMap Local	1:10,000	2019	29

Russian Map - Slice B



Order Details

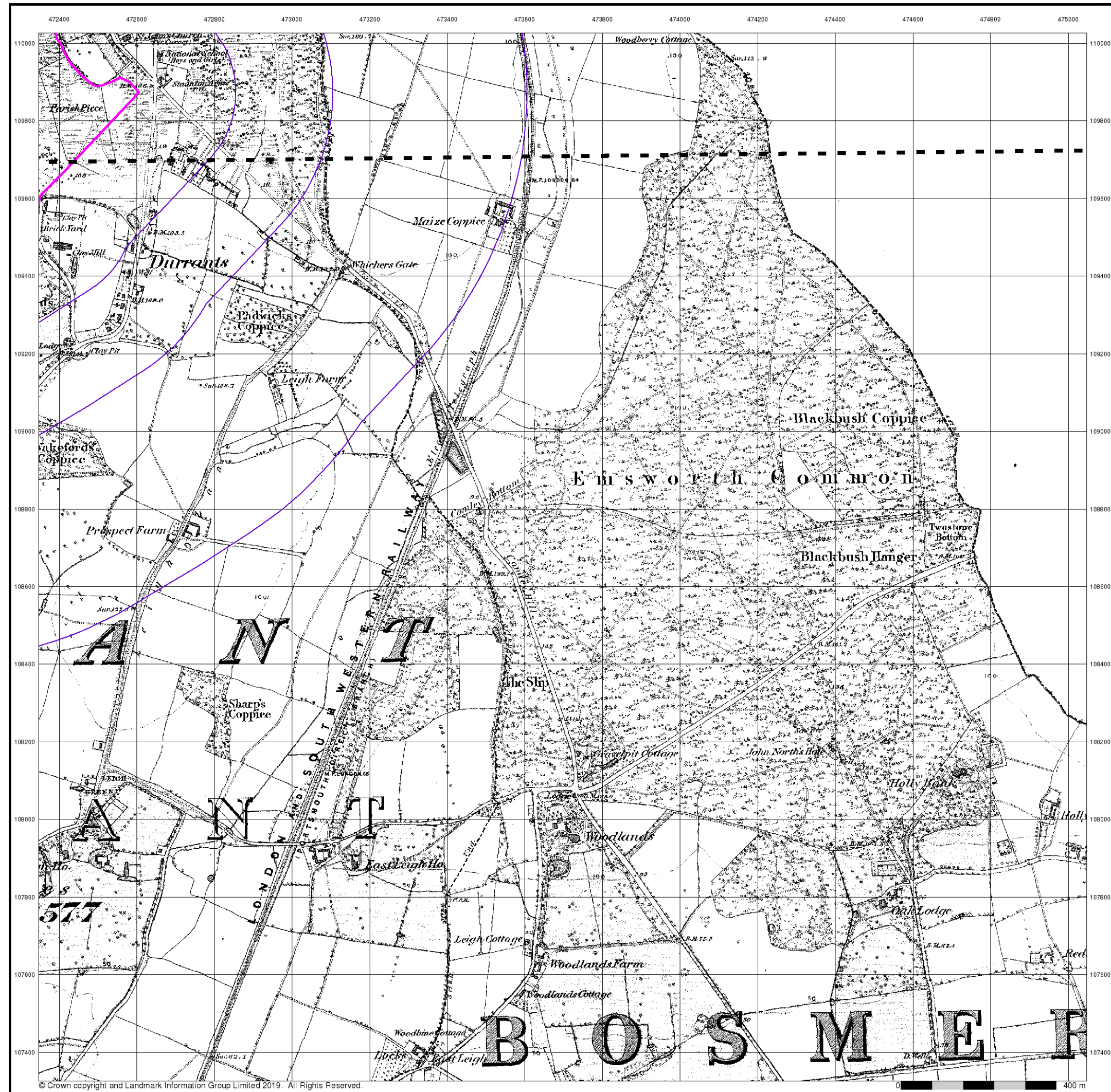
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Customer Ref: 5169117
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Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 1000

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Hampshire & Isle Of Wight

Published 1870

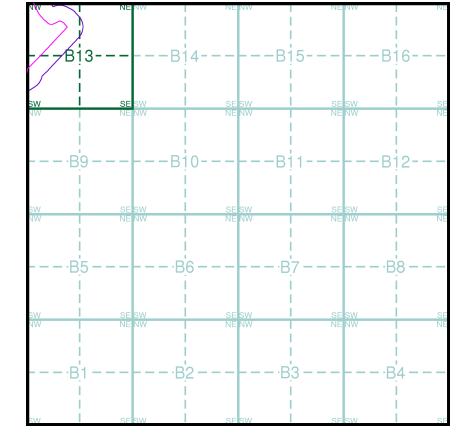
Source map scale - 1:10,560

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)

06800	1870	1:10,560
07600	1870	1:10,560

Historical Map - Slice B



Order Details

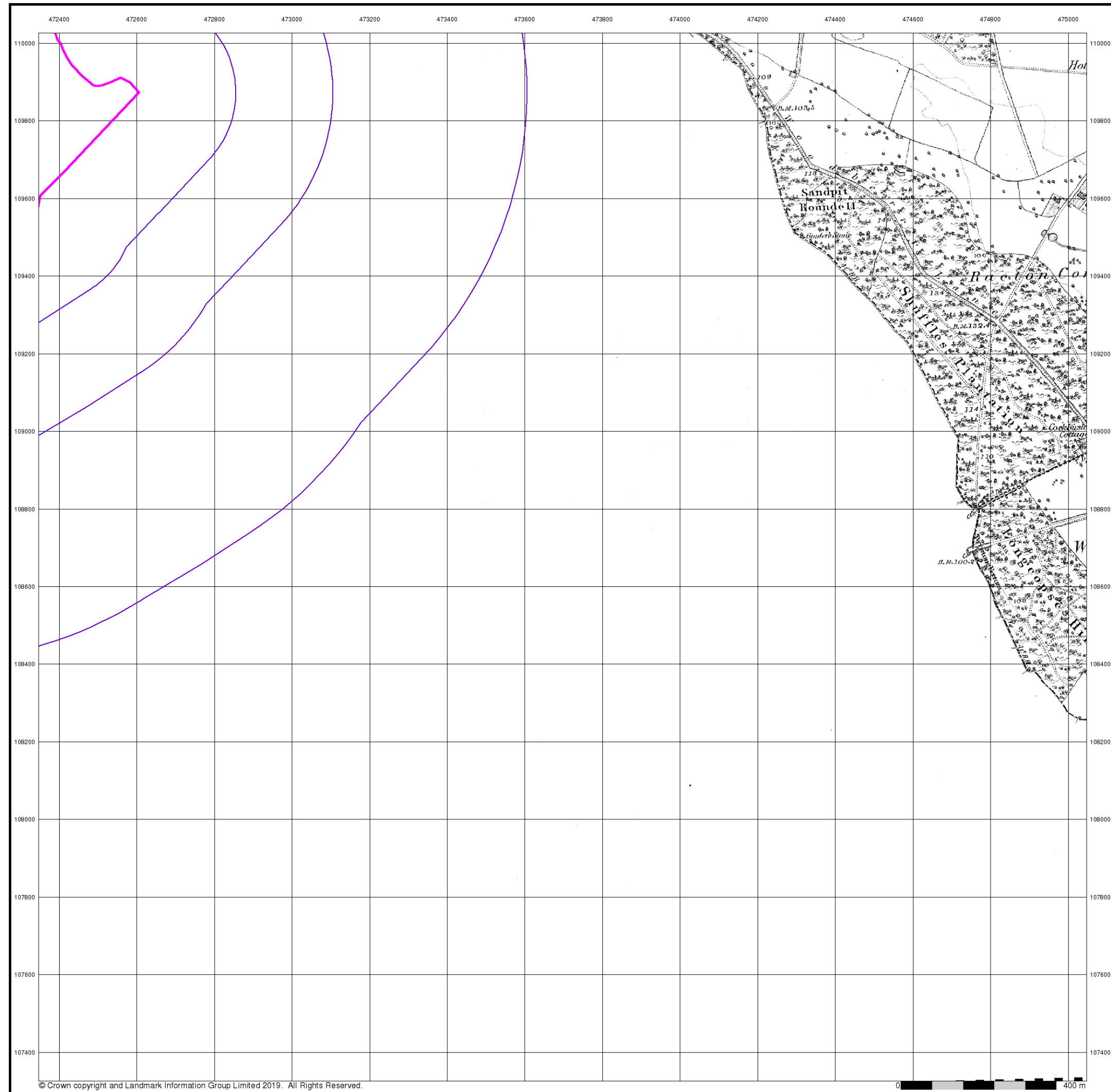
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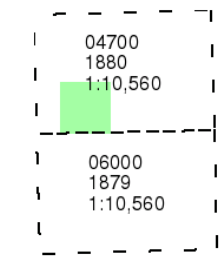
Sussex

Published 1879 - 1880

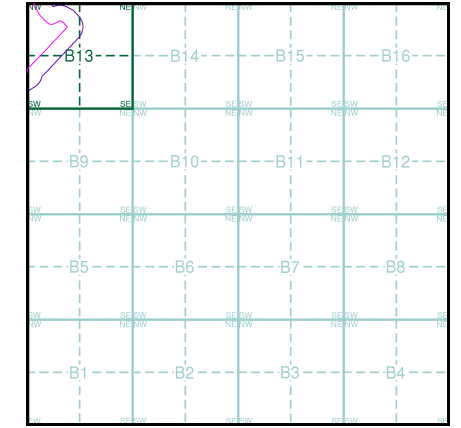
Source map scale - 1:10,560

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 B



Order Details

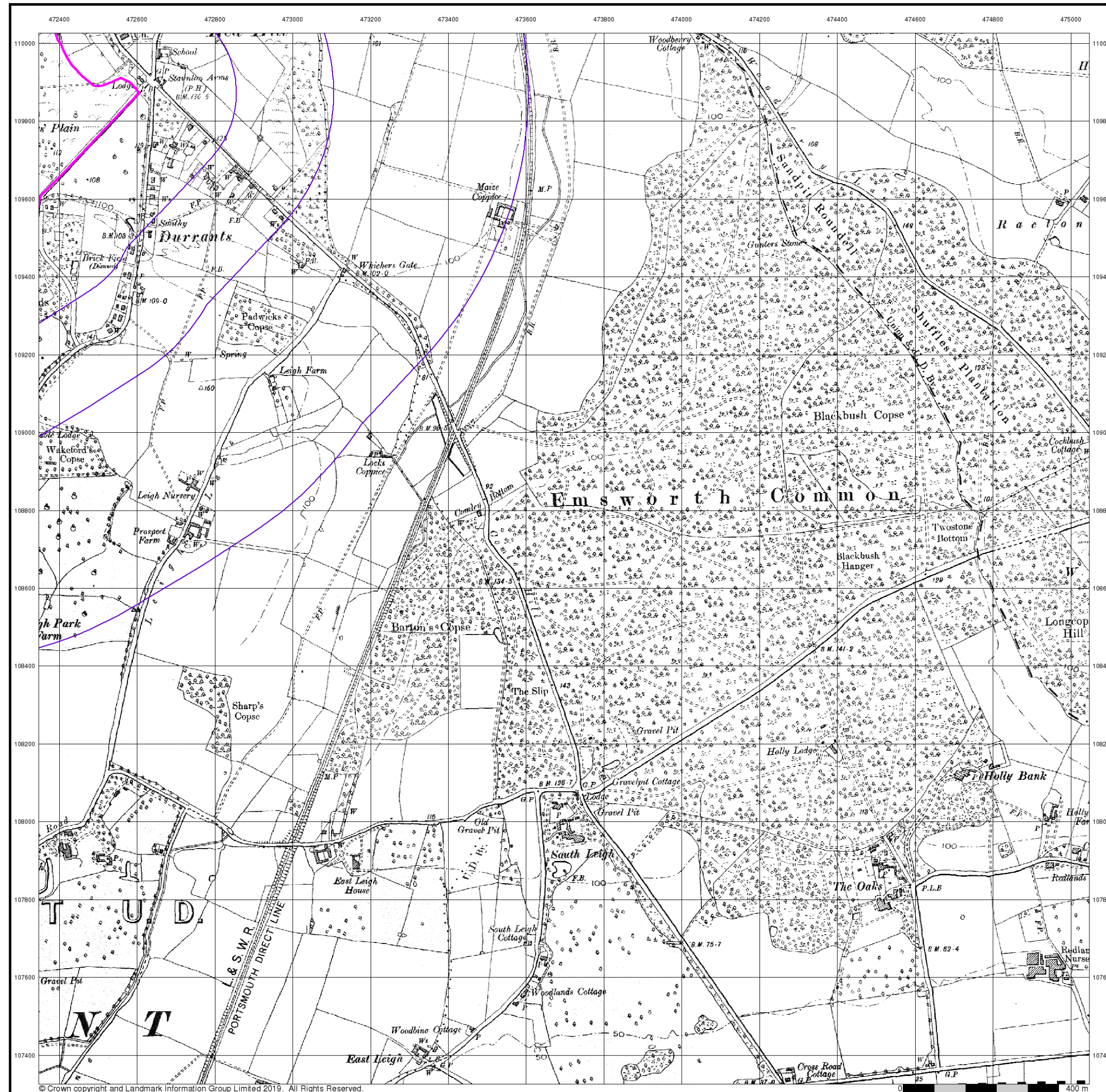
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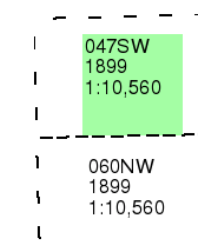
Sussex

Published 1899

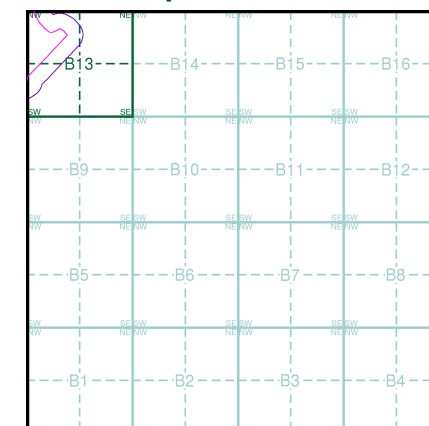
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice B



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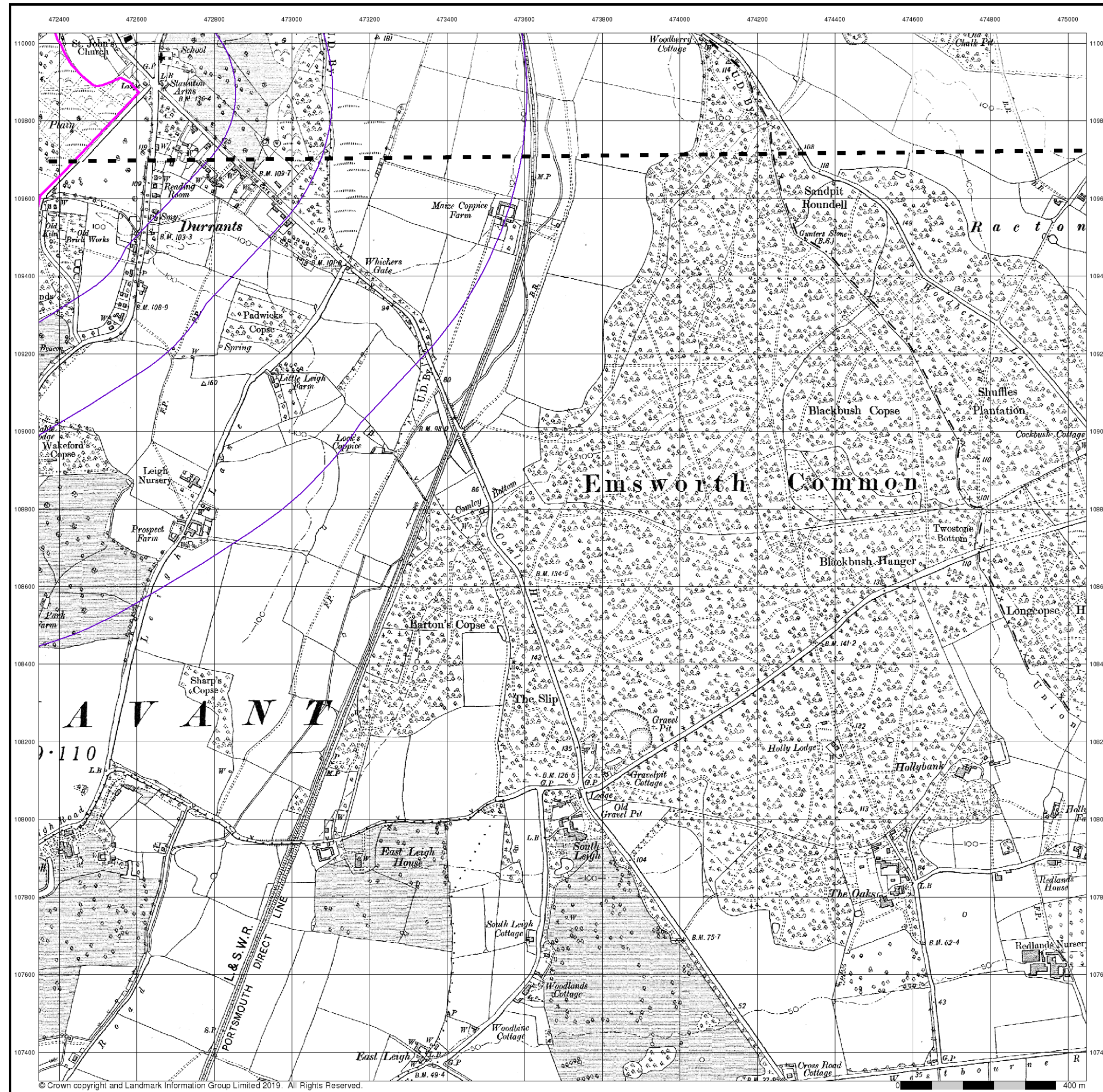
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Hampshire & Isle Of Wight

Published 1909 - 1910

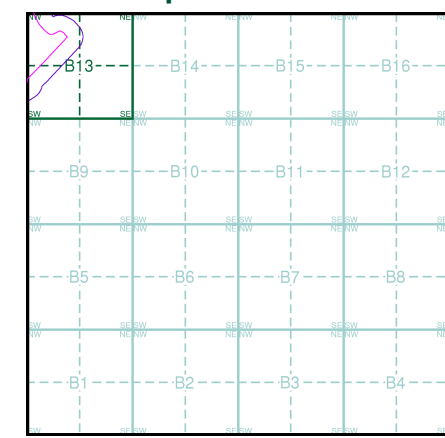
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Map Name(s) and Date(s)

068SE
1909
1:10,560
076NE
1910
1:10,560

Historical Map - Slice B



Order Details

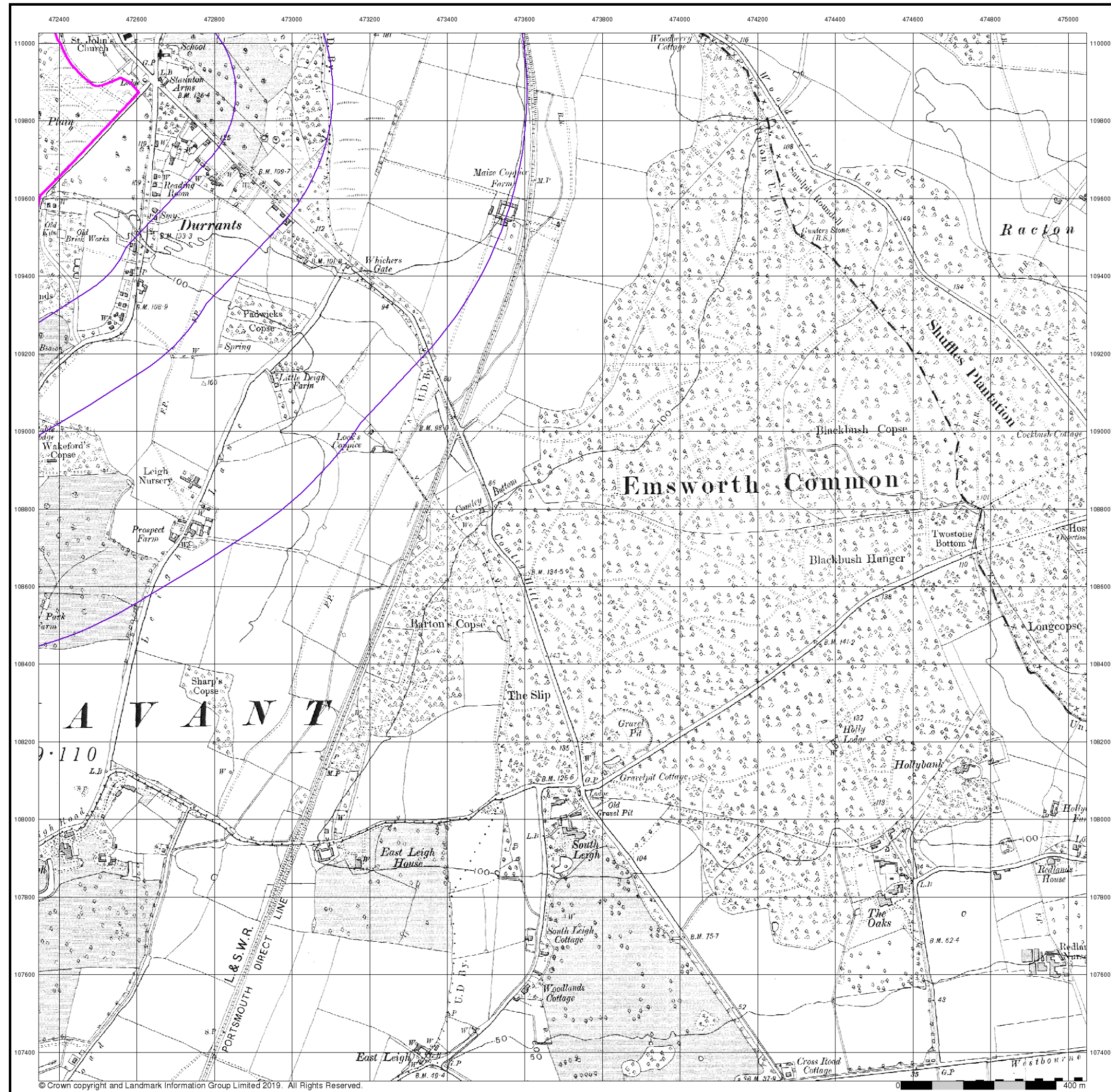
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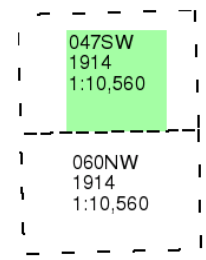
Sussex

Published 1914

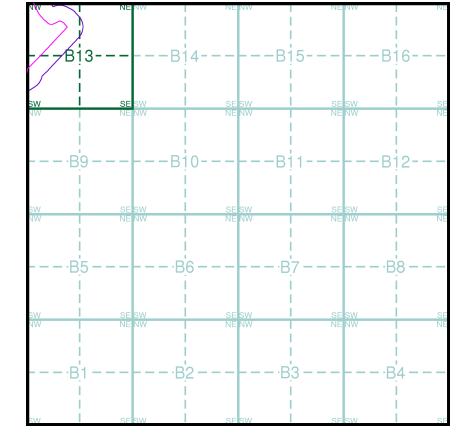
Source map scale - 1:10,560

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 B



Order Details

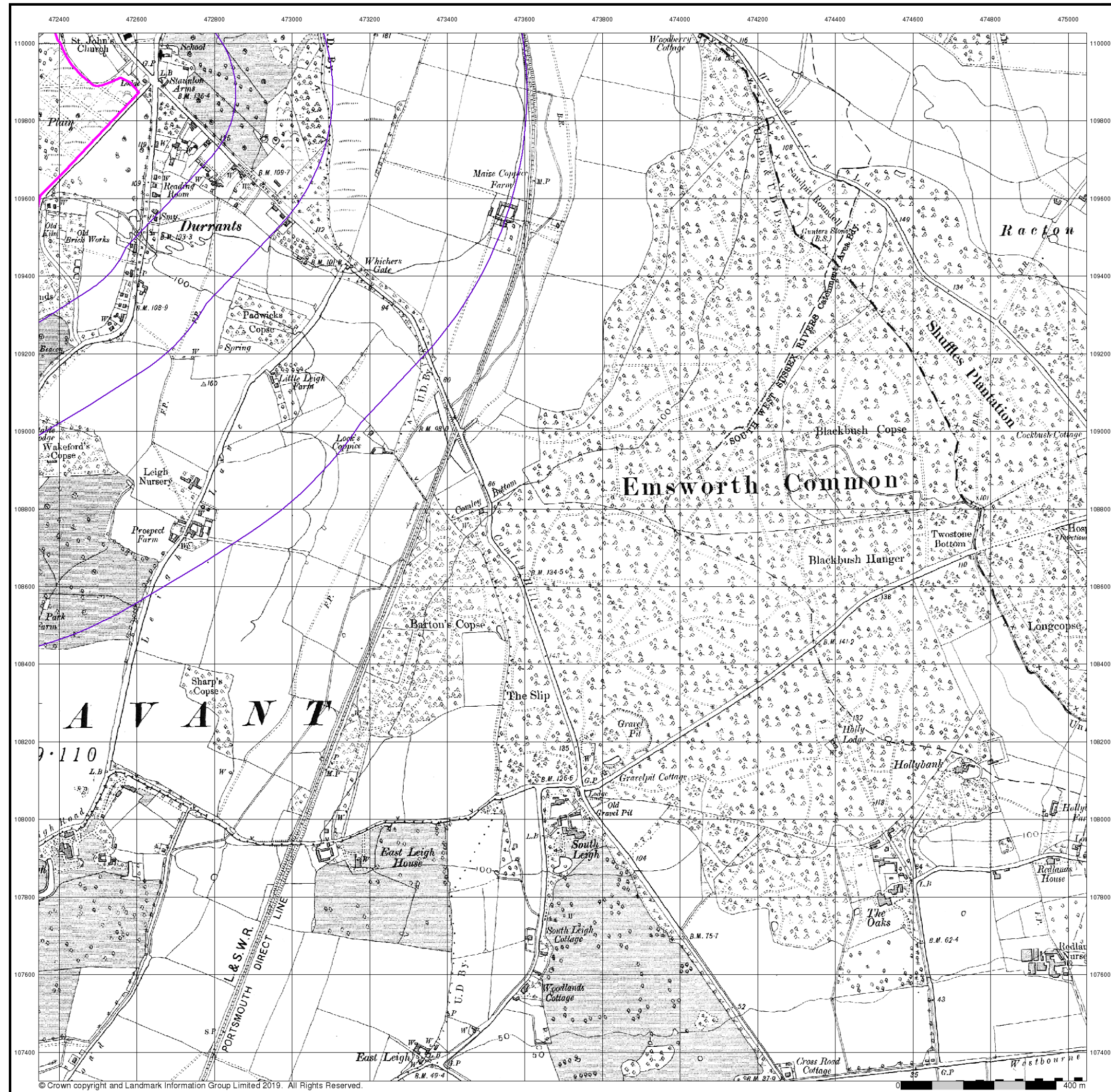
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Search Buffer (m): 1000

Site Details

Site at 472000, 110000

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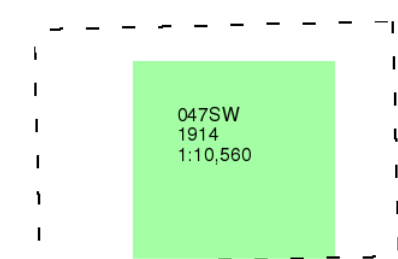
Sussex

Published 1914

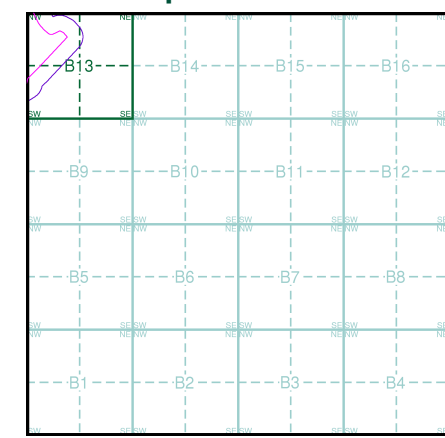
Source map scale - 1:10,560

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 B



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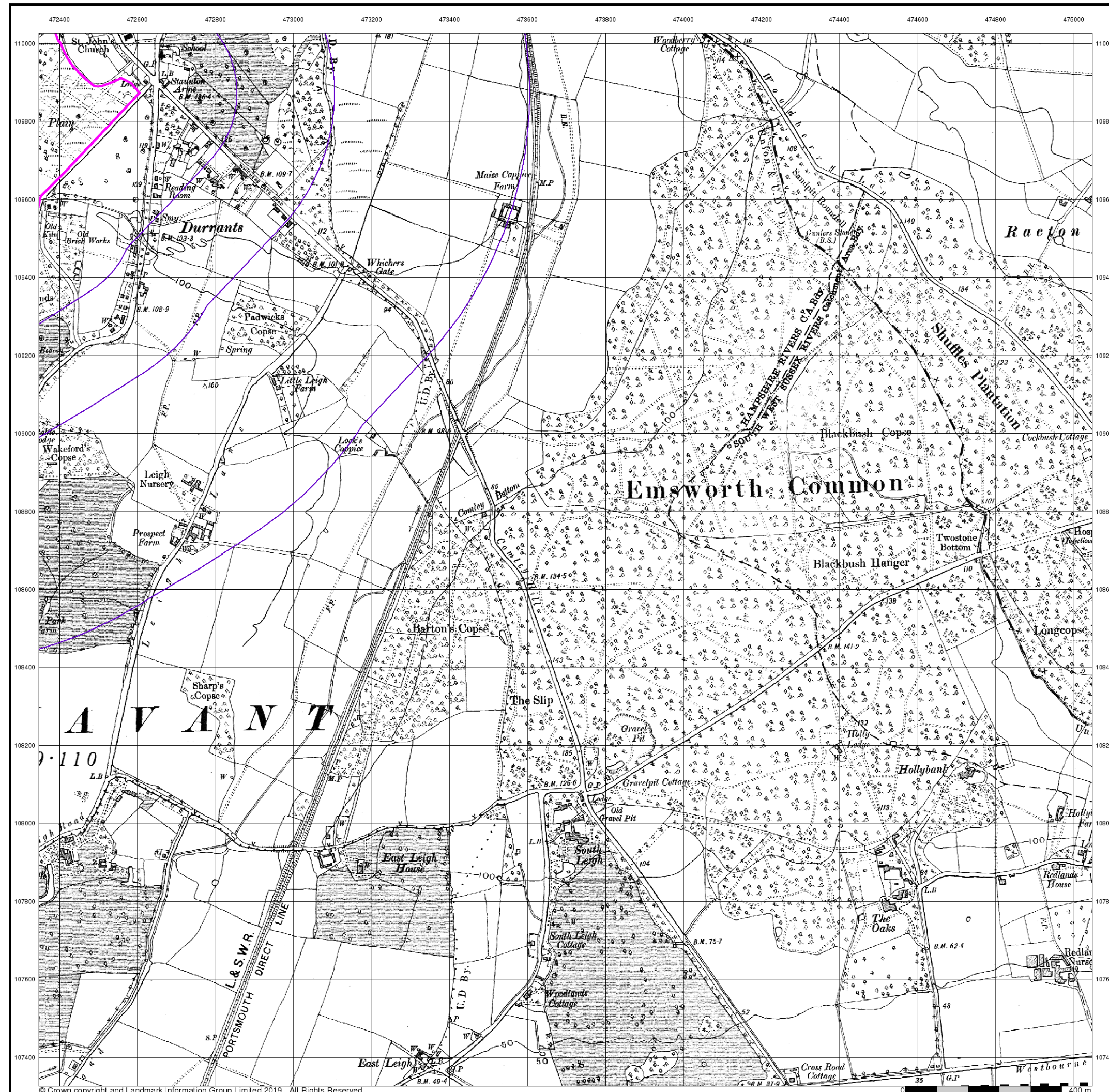
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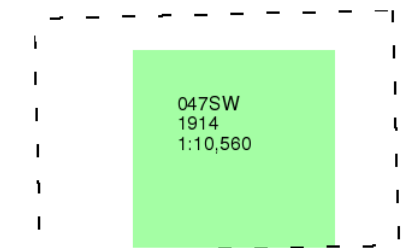
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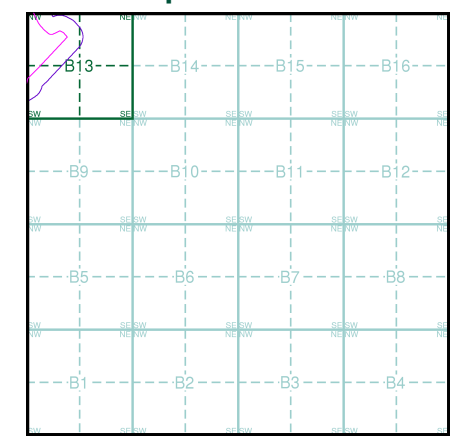
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Map Name(s) and Date(s)



Historical Map - Slice B



Order Details

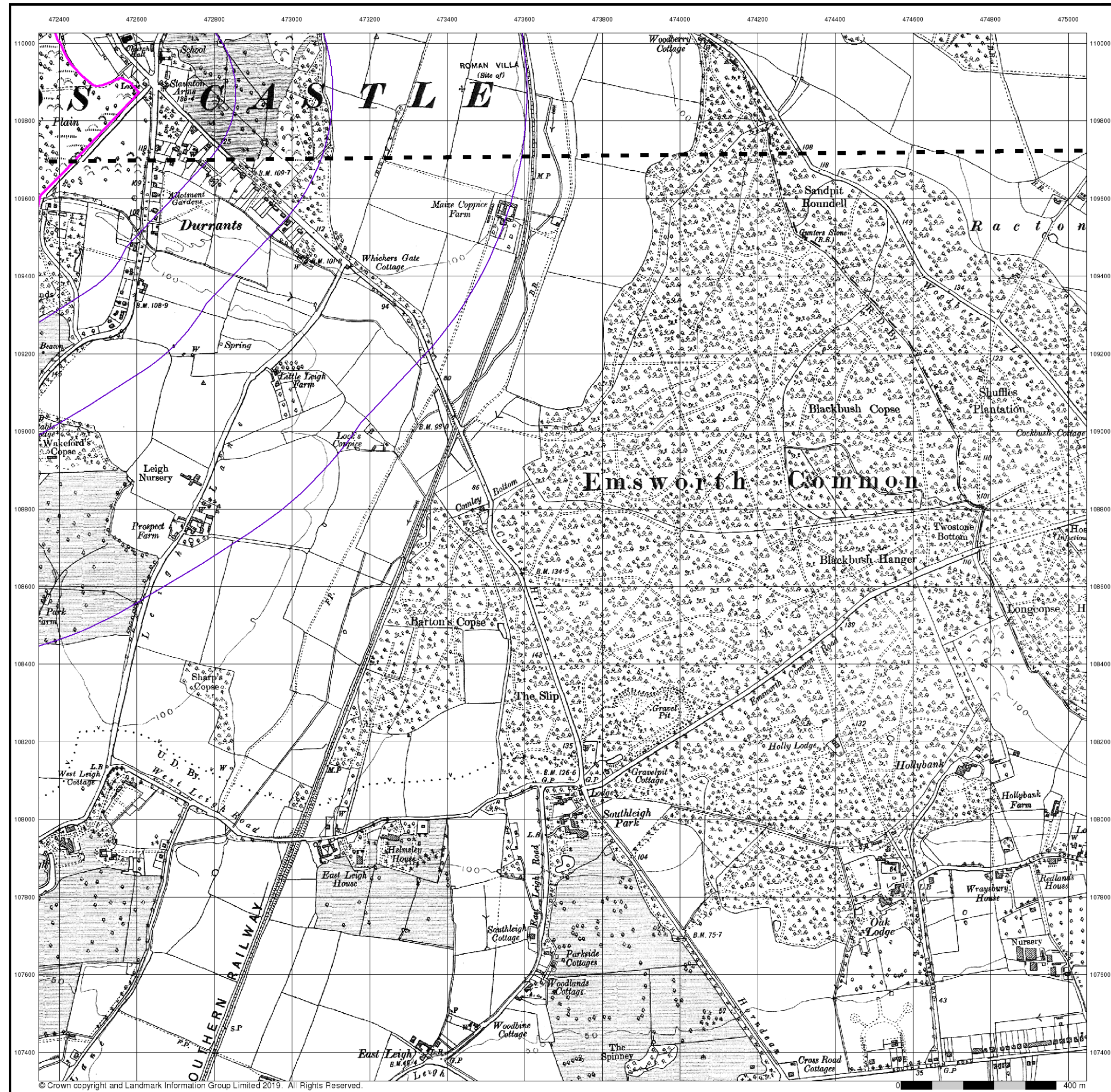
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Hampshire & Isle Of Wight

Published 1931 - 1933

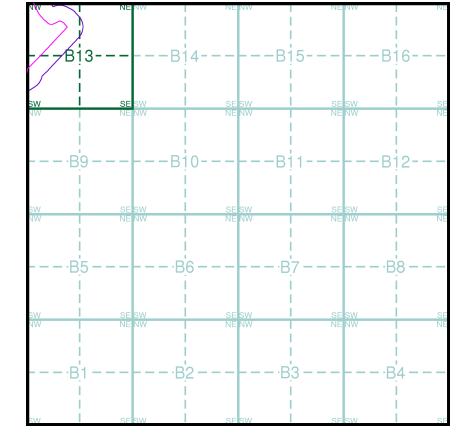
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. 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)

068SE
1931
1:10,560
076NE
1933
1:10,560

Historical Map - Slice B



Order Details

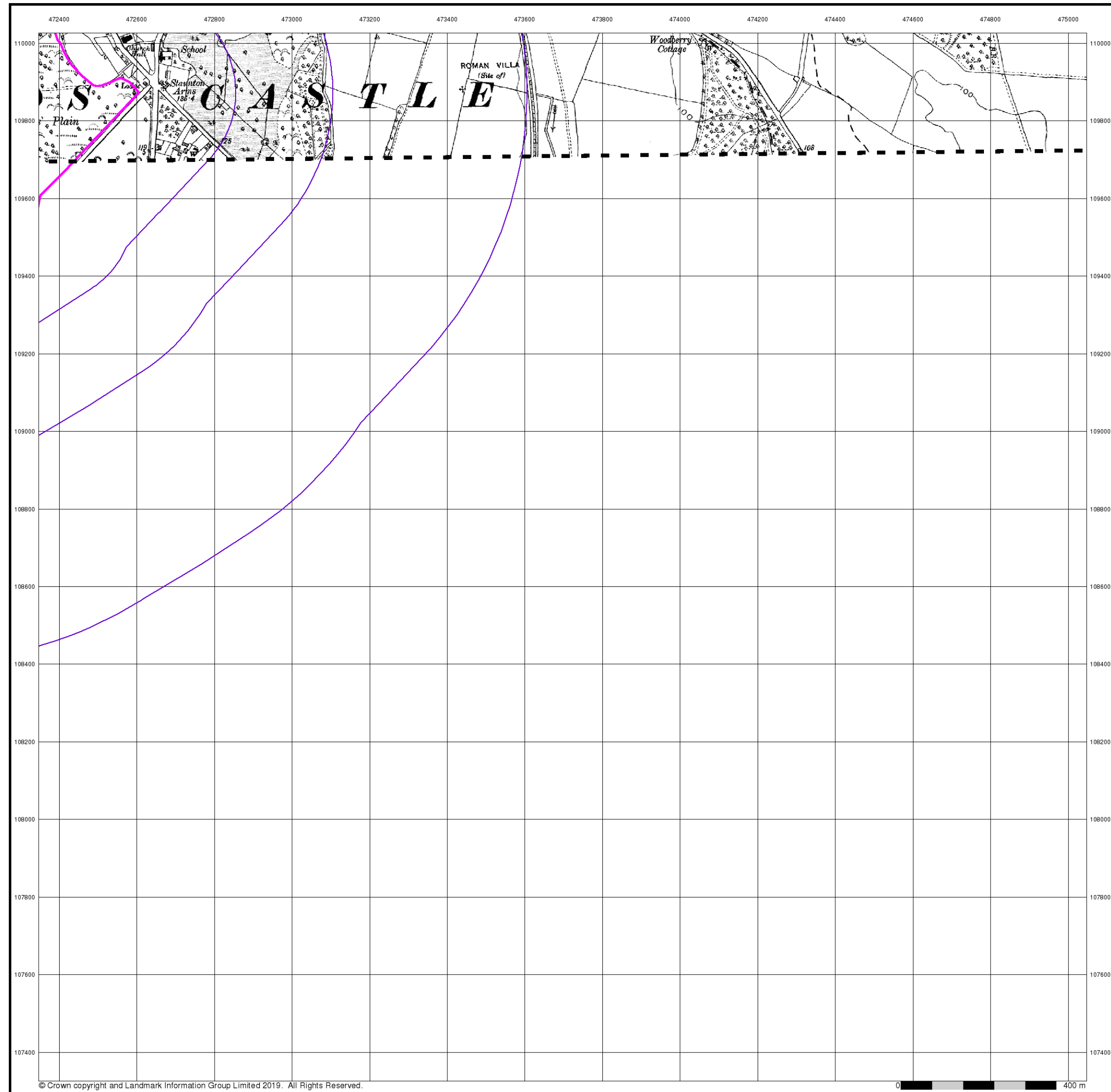
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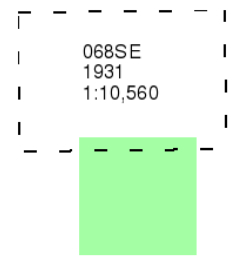
Hampshire & Isle Of Wight

Published 1931

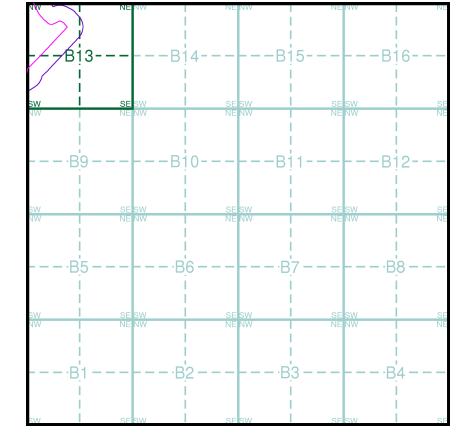
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. 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 B



Order Details

Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details

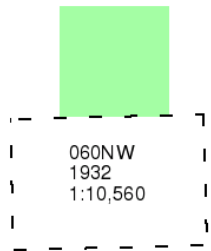
Site at 472000, 110000

Landmark
INFORMATION GROUP

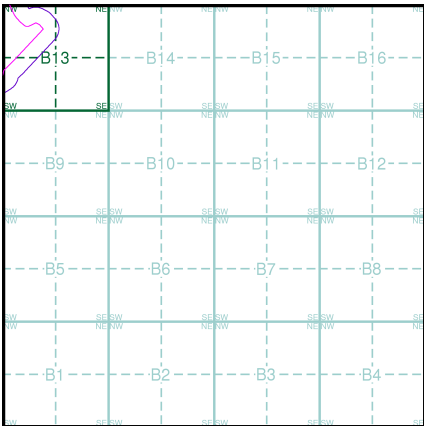
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Map Name(s) and Date(s)



Historical Map - Slice B

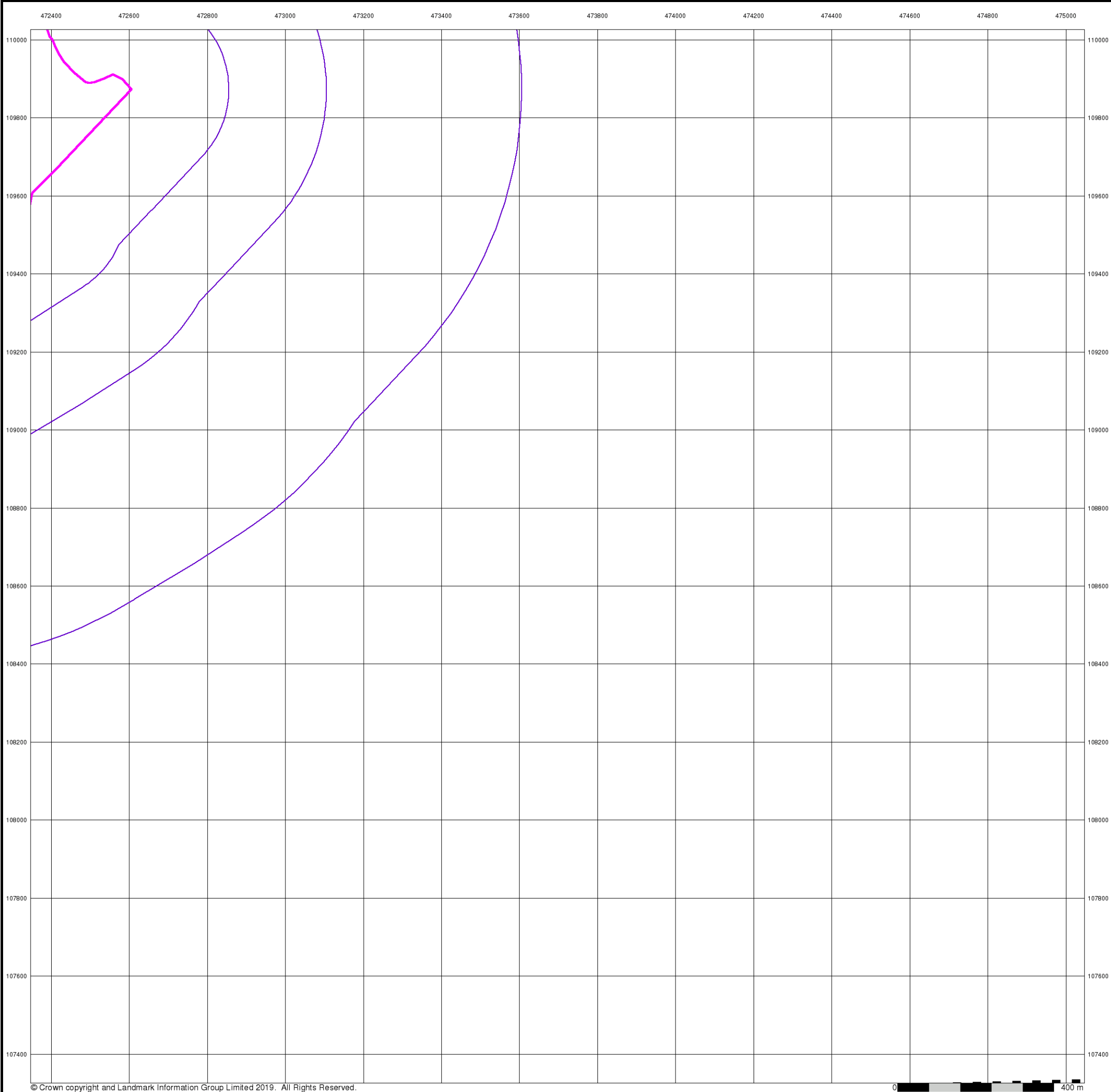


Order Details

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Slice: B
Site Area (Ha): 172.43
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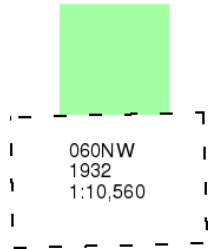
Sussex

Published 1932

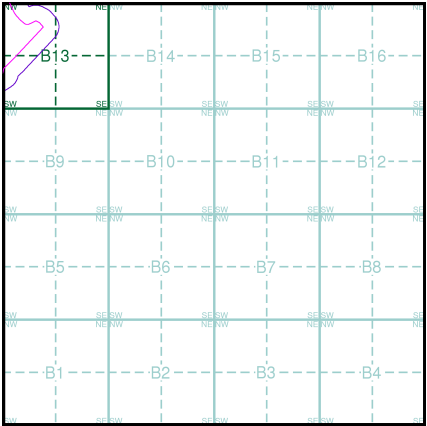
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice B



Order Details

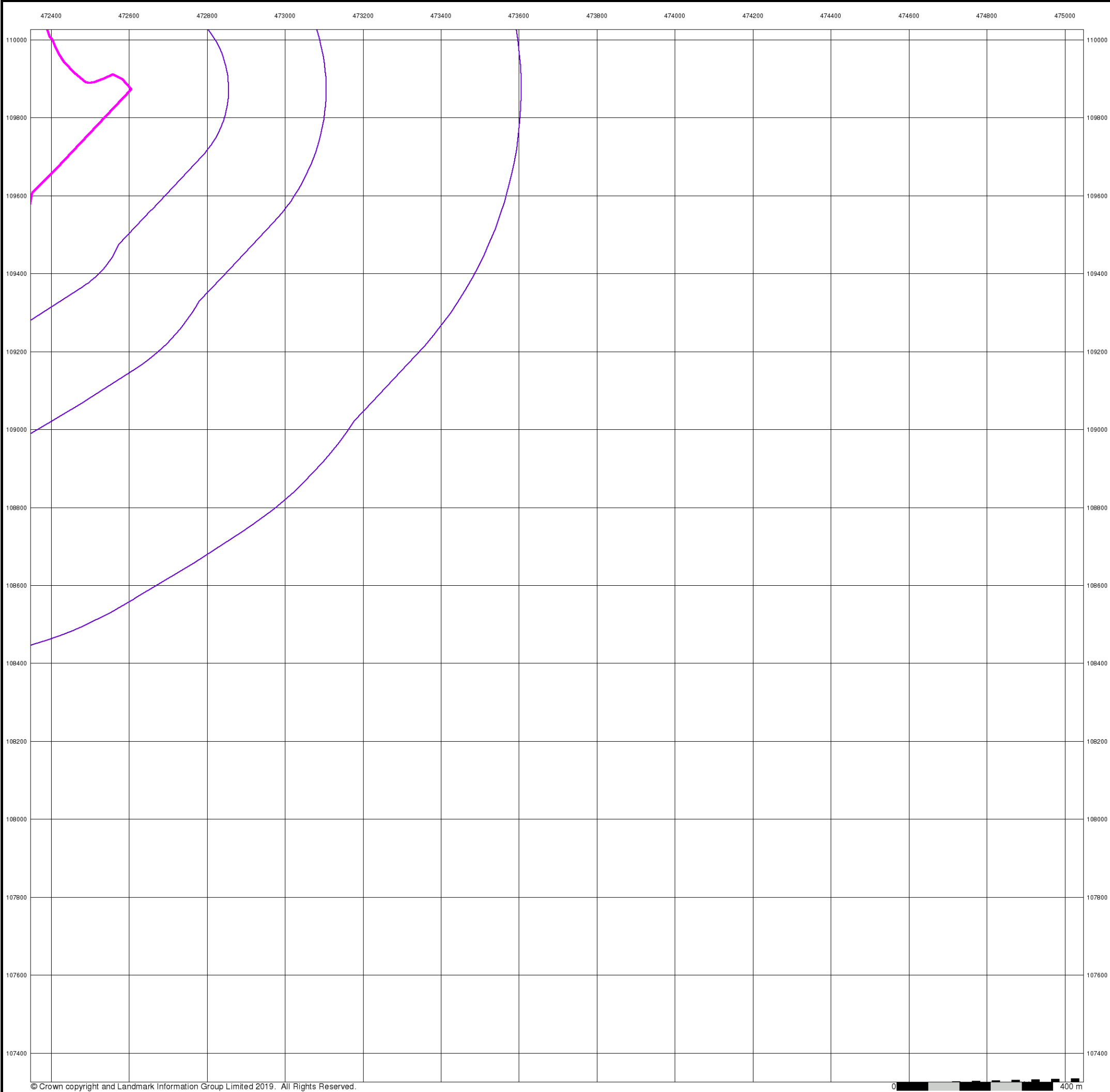
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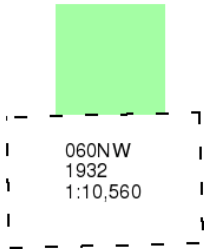
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Published 1932

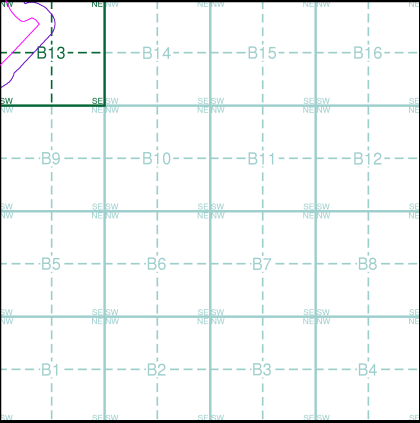
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Map Name(s) and Date(s)



Historical Map - Slice B



Order Details

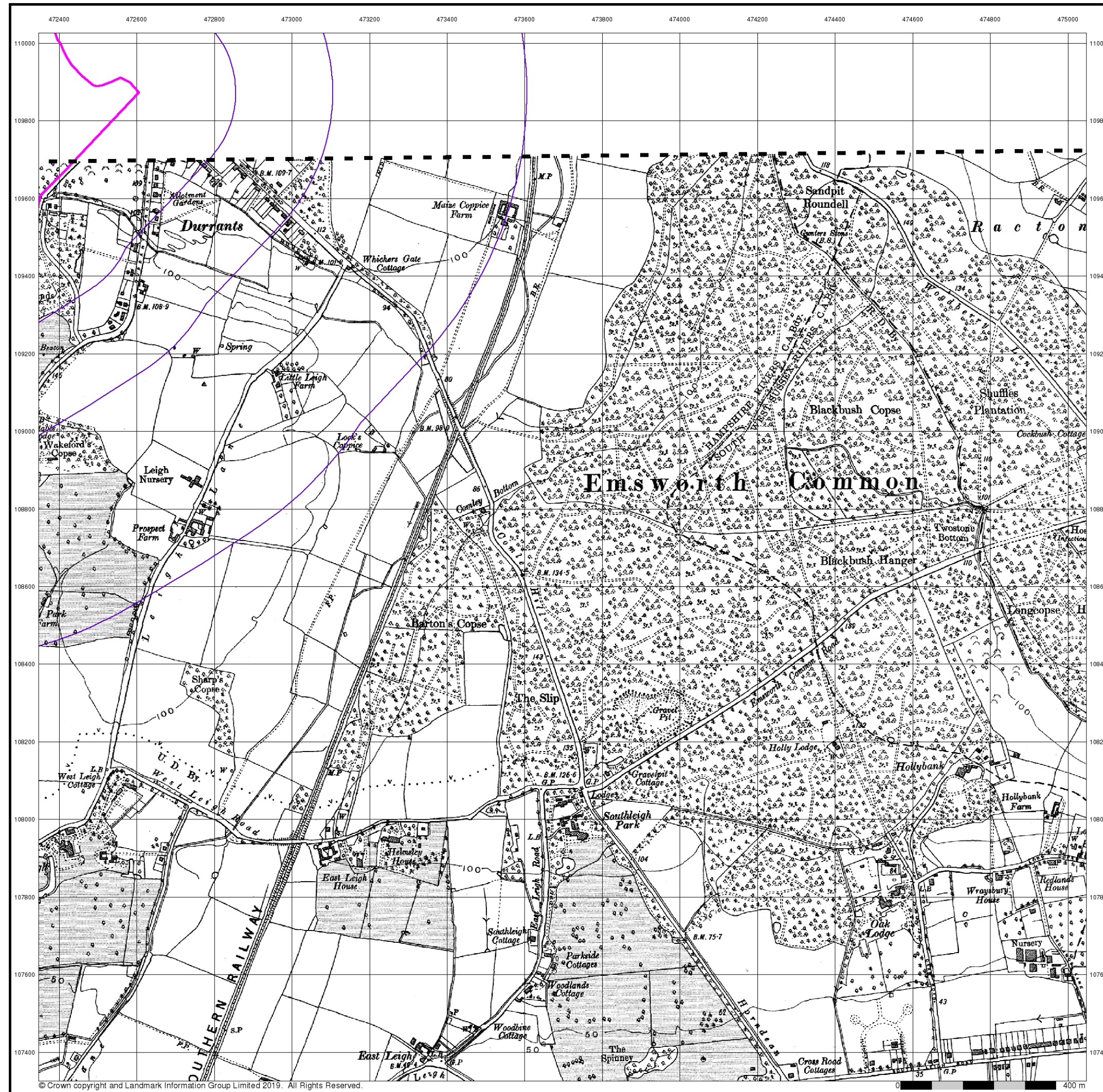
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Customer Ref: 5169117
National Grid Reference: 472870, 109400
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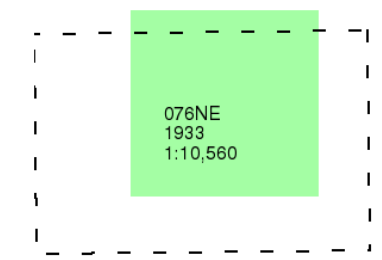
Hampshire & Isle Of Wight

Published 1933

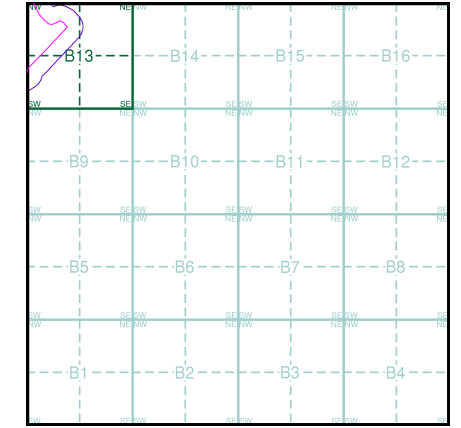
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice B



Order Details

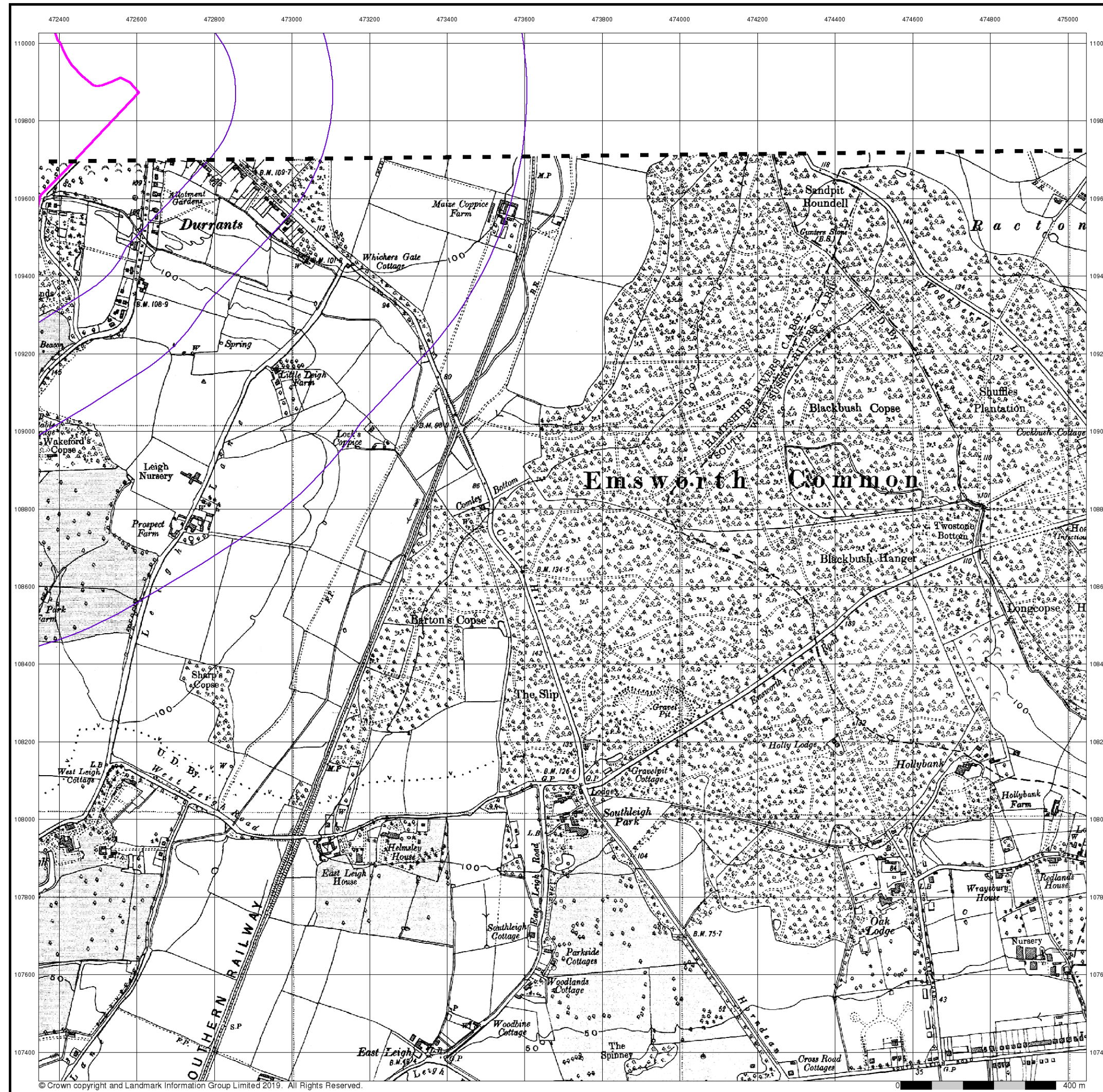
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Customer Ref: 5169117
National Grid Reference: 472870, 109400
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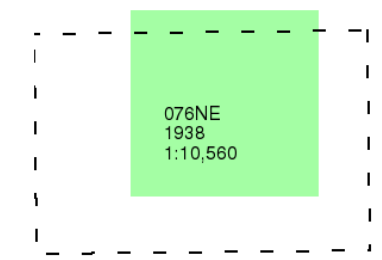
Hampshire & Isle Of Wight

Published 1938

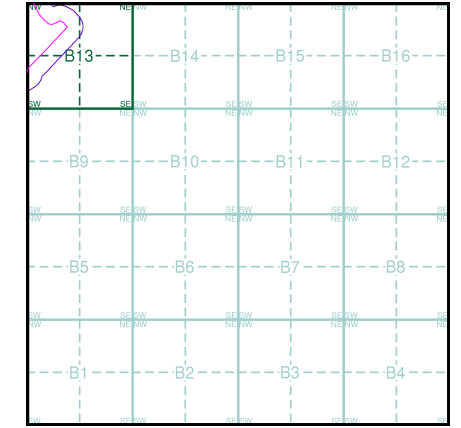
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Map Name(s) and Date(s)



Historical Map - Slice B



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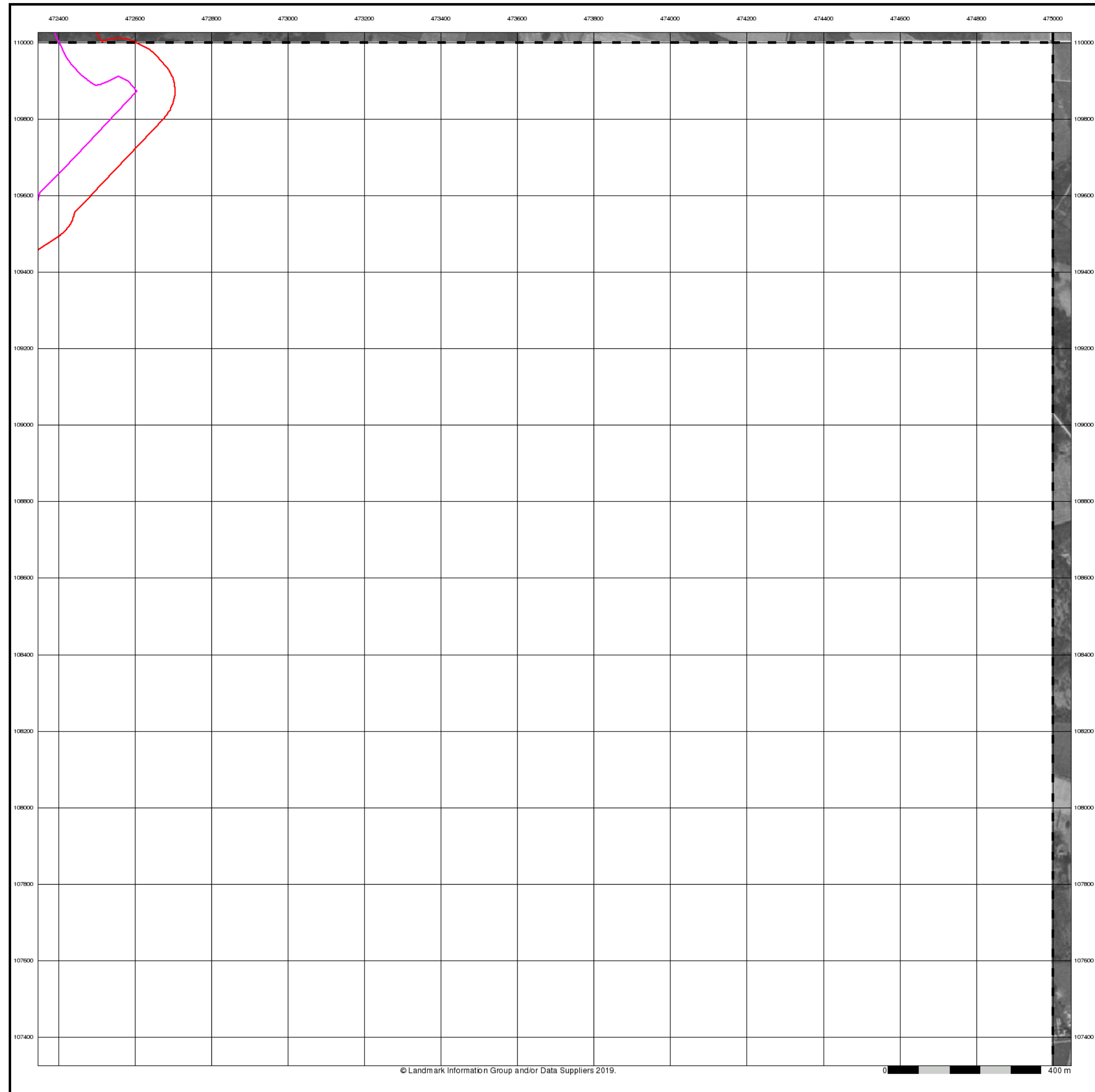
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Historical Aerial Photography

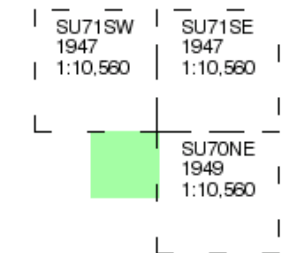
Published 1947 - 1949

Source map scale - 1:10,560

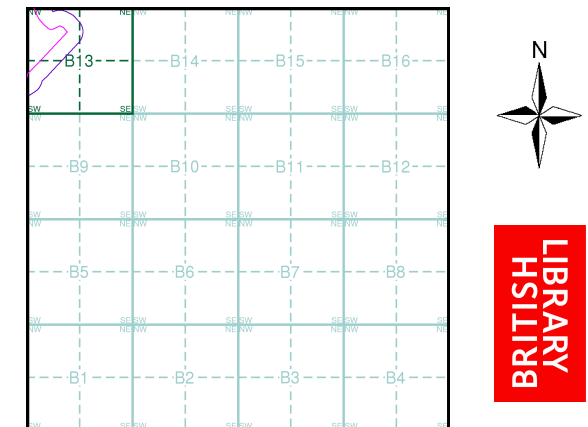
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 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 B



Order Details

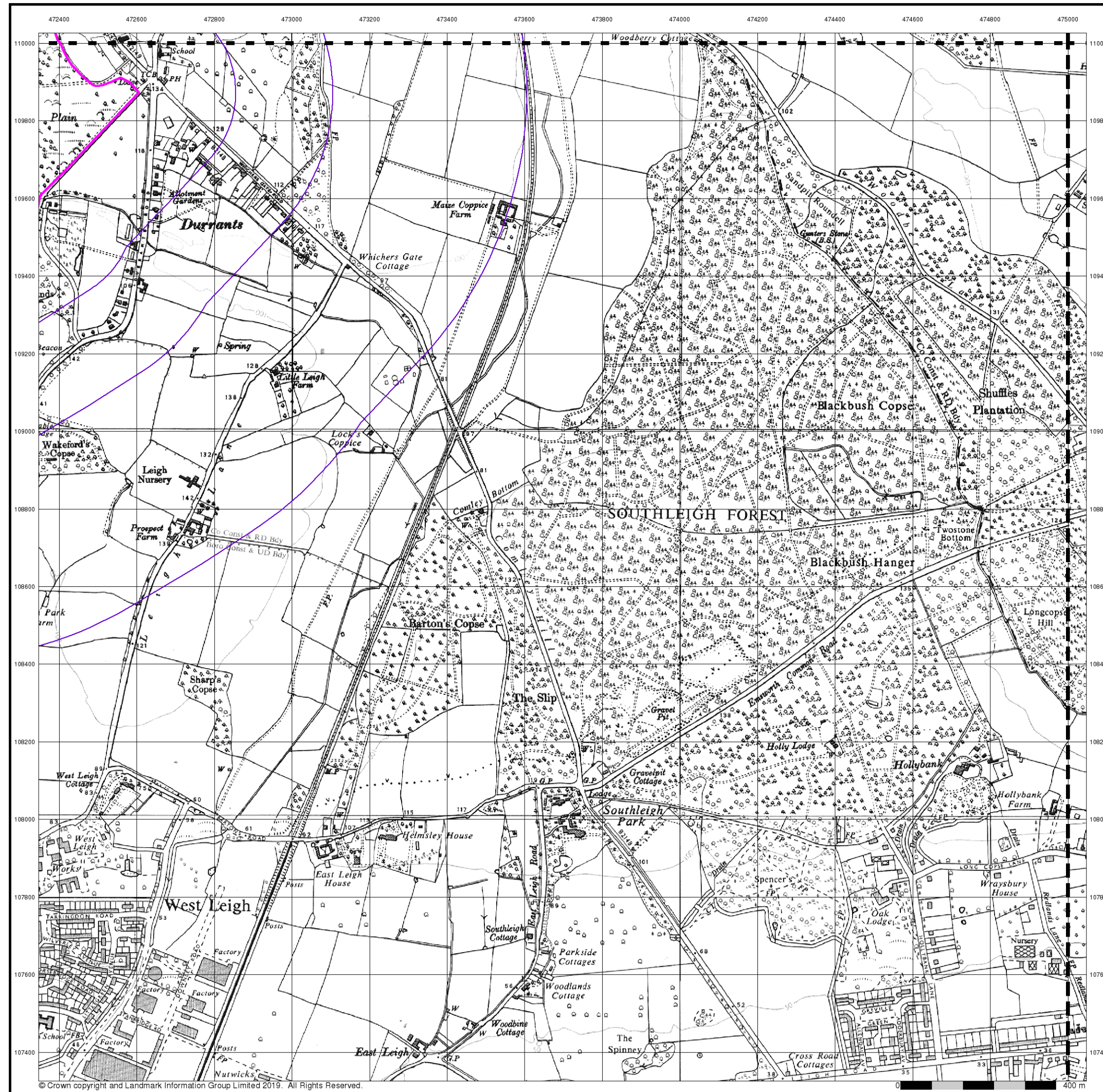
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Ordnance Survey Plan

Published 1962 - 1963

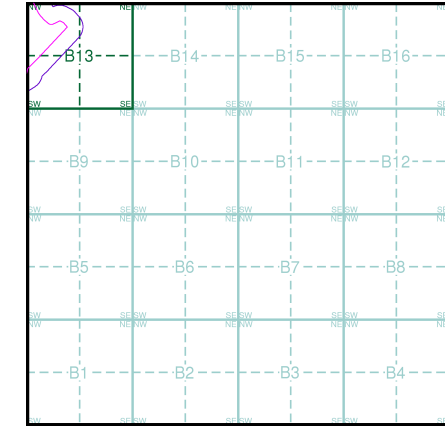
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Map Name(s) and Date(s)

SU71SW	SU71SE
1962	1962
1:10,560	1:10,560
SU70NW	SU70NE
1963	1962
1:10,560	1:10,560

Historical Map - Slice B



Order Details

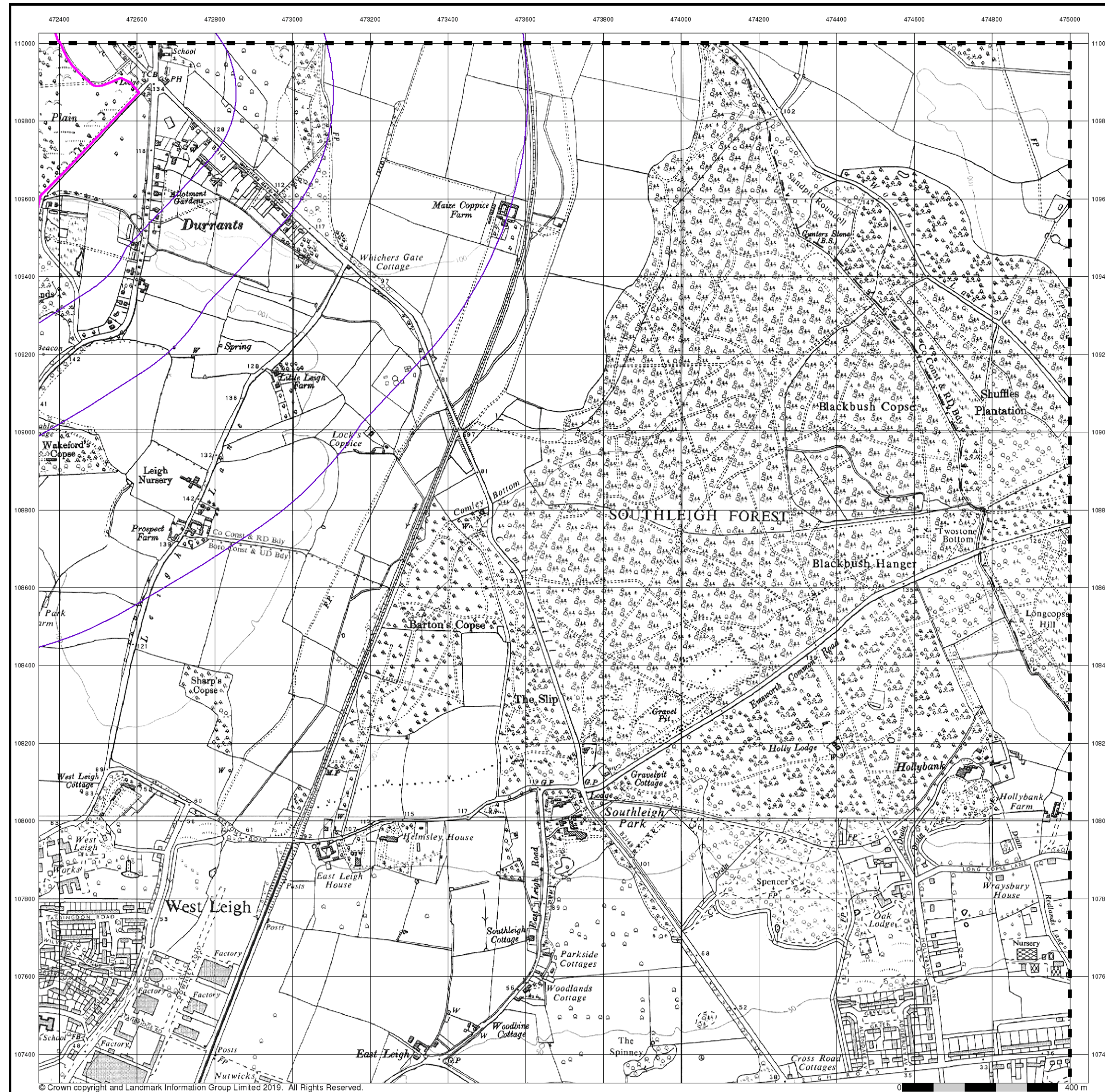
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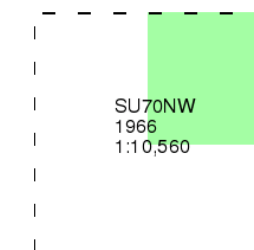
Ordnance Survey Plan

Published 1966

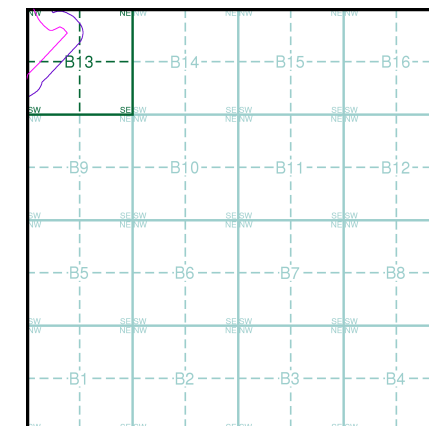
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Map Name(s) and Date(s)



Historical Map - Slice B



Order Details

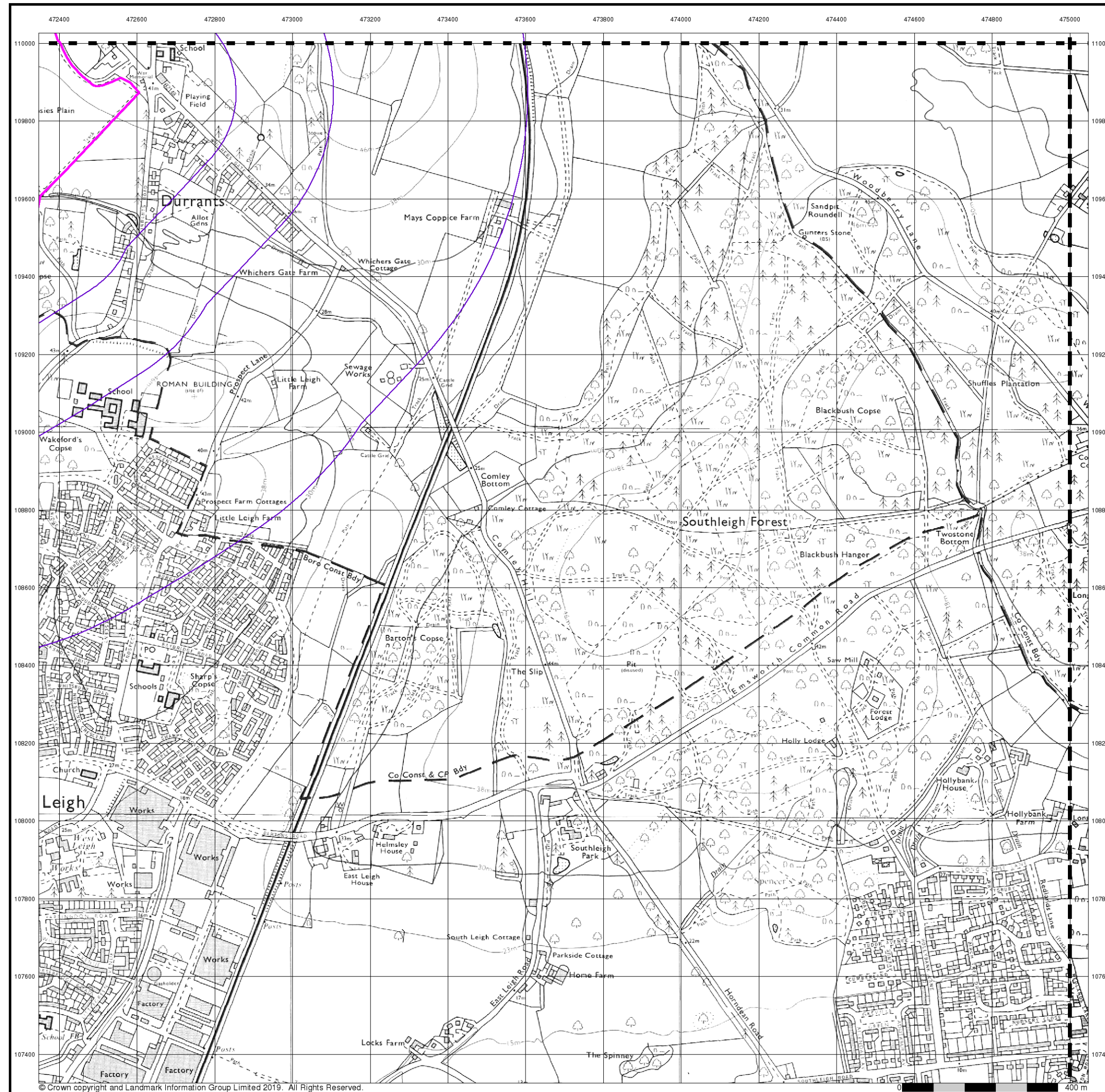
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Ordnance Survey Plan

Published 1973 - 1975

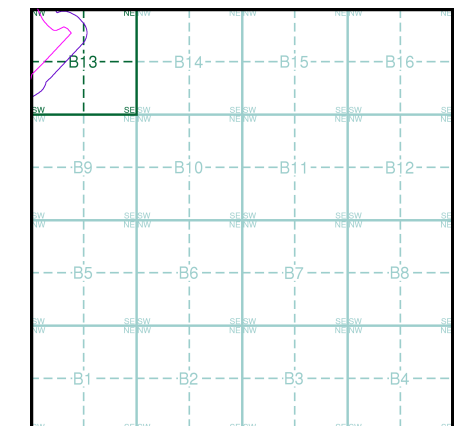
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Map Name(s) and Date(s)

SU71SE	1973	1:10,000
SU70NW	1975	1:10,000
SU70NE	1973	1:10,000

Historical Map - Slice B



Order Details

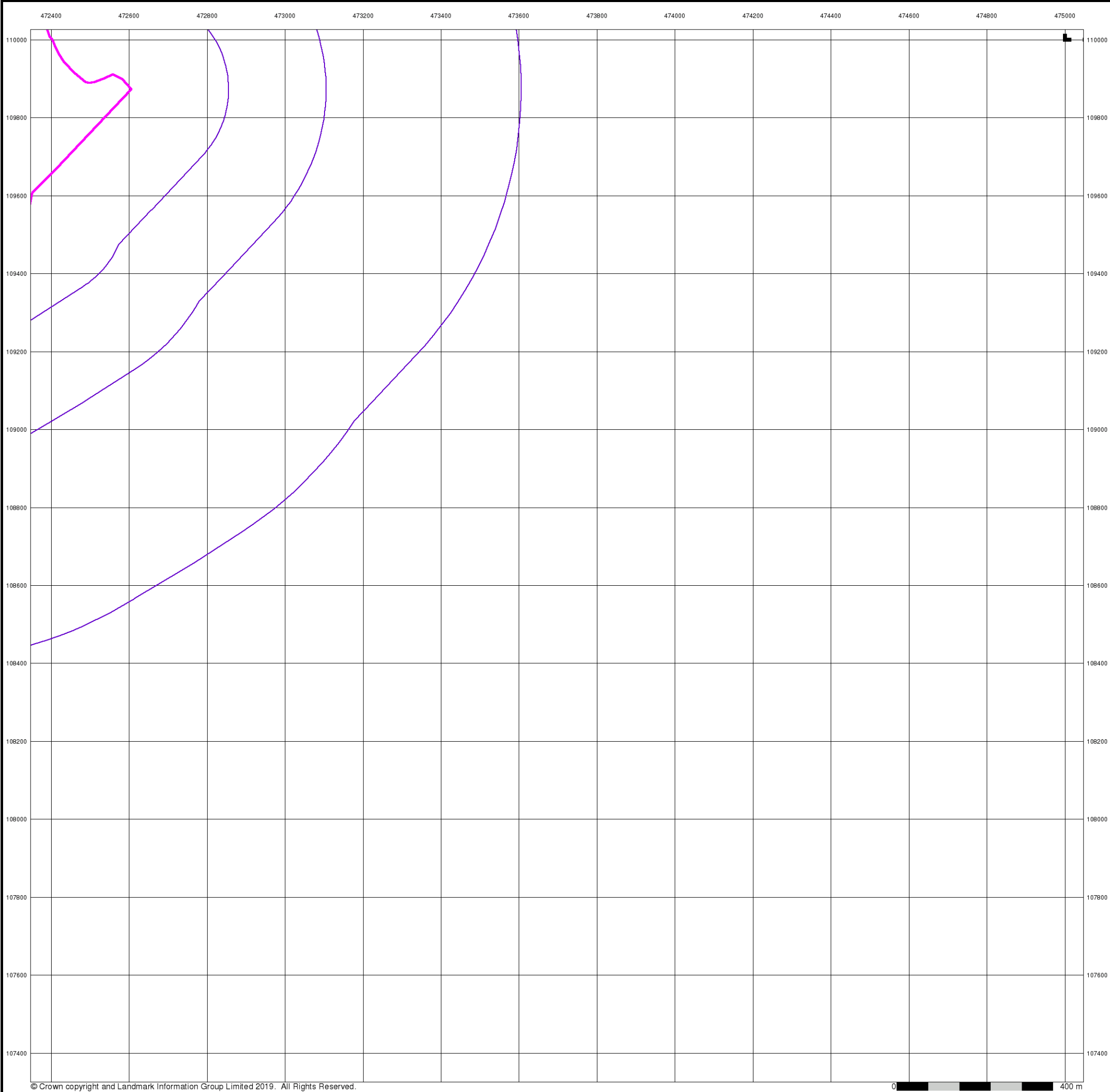
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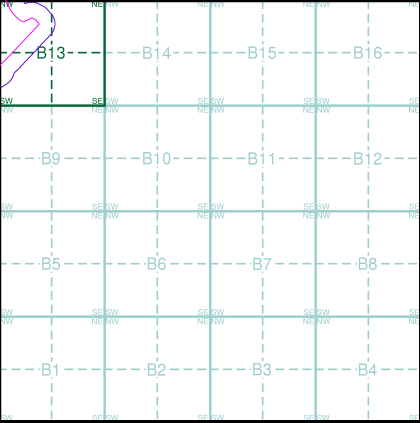
Ordnance Survey Plan
Published 1973
Source map scale - 1:10,000

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)

SU71SE
1973
1:10,000

Historical Map - Slice B



Order Details
Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details
Site at 472000, 110000



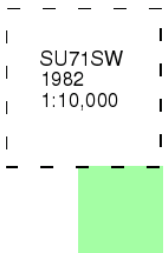
Ordnance Survey Plan

Published 1982

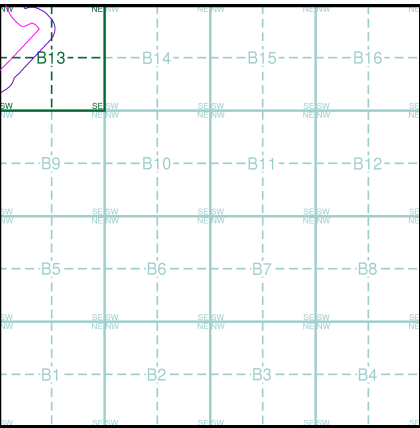
Source map scale - 1:10,000

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 B



Order Details

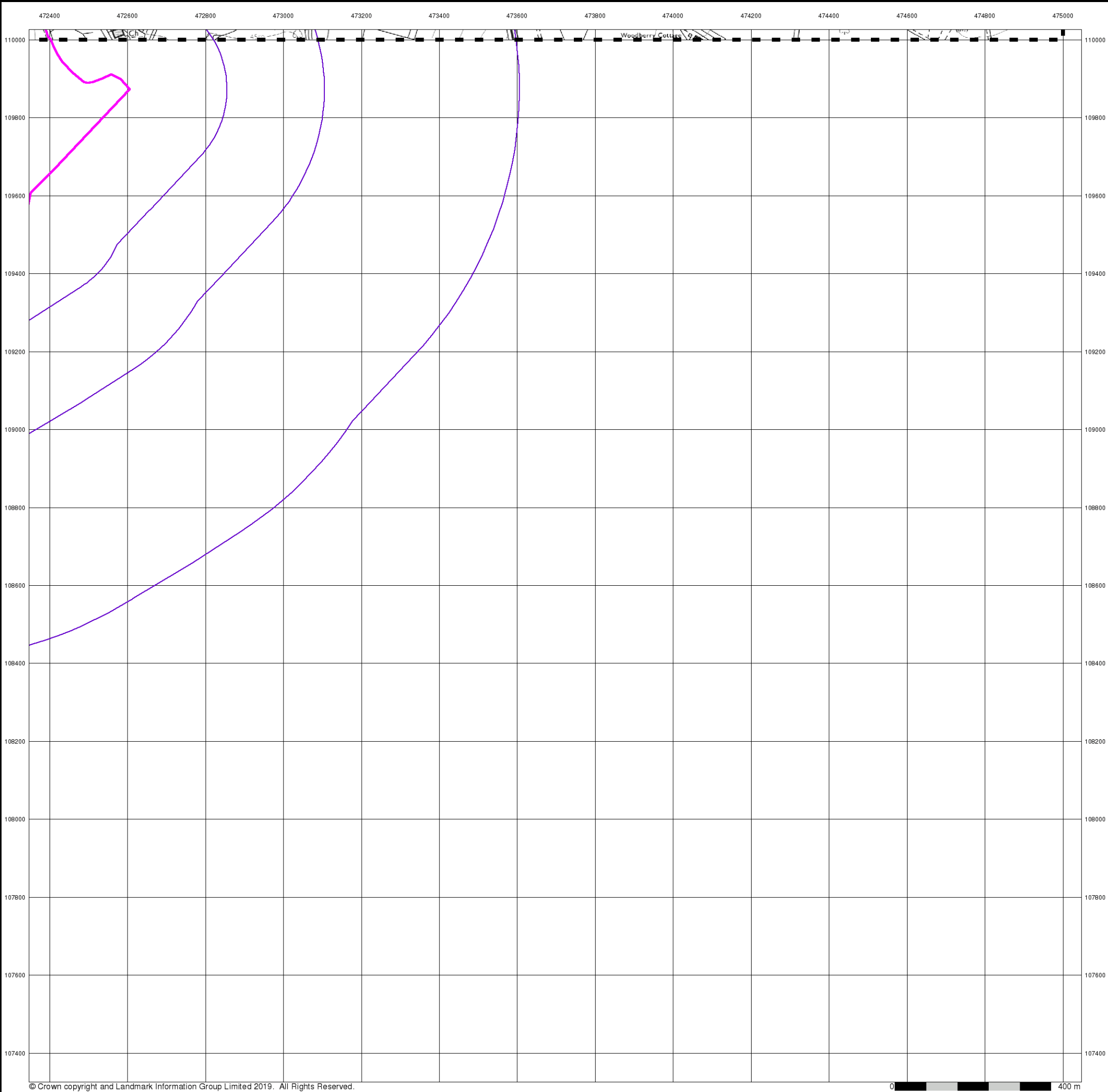
Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 1000

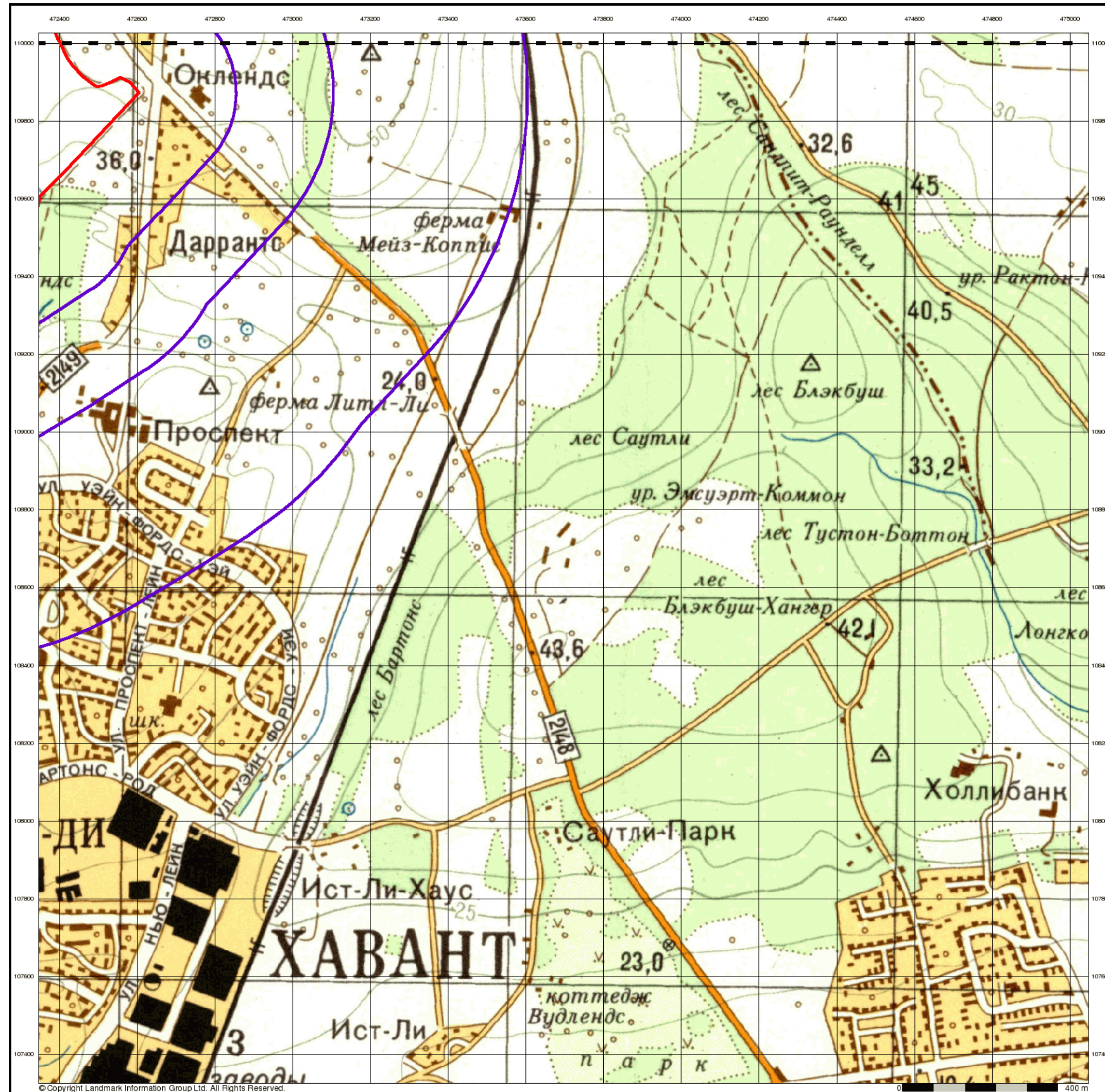
Site Details

Site at 472000, 110000



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ATKINS

Havant

Published 1983

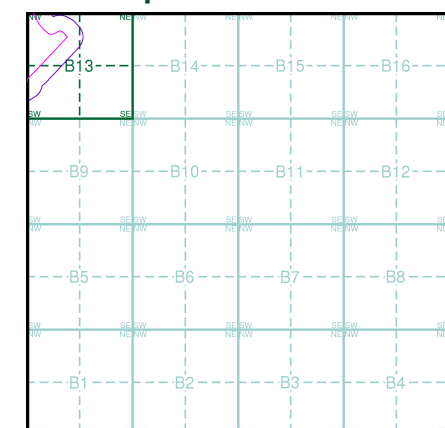
Source map scale - 1:25,000

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)

SU71
1983
1:25,000
SU70
1983
1:25,000

Russian Map - Slice B



Order Details

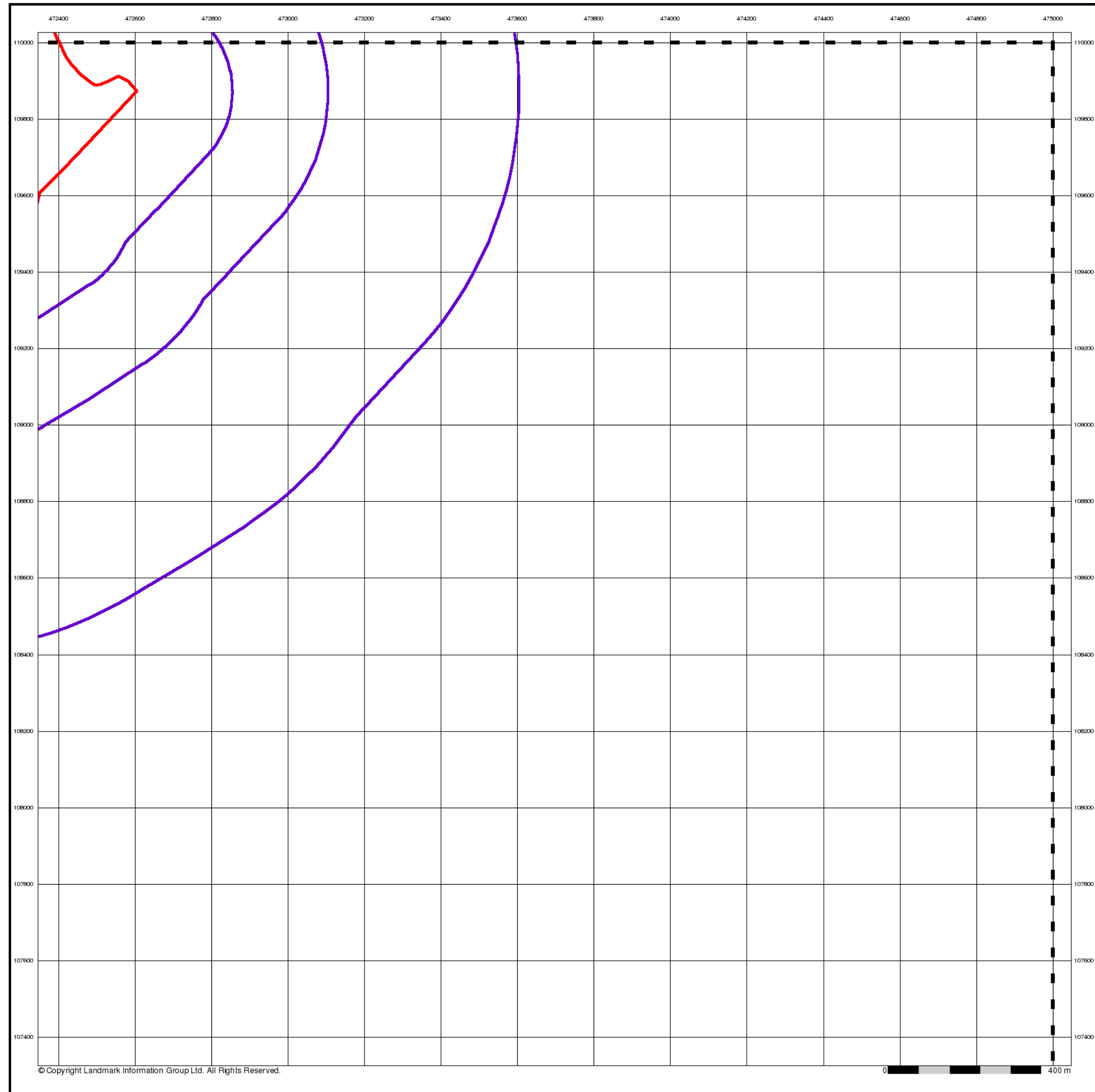
Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details

Site at 472000, 110000

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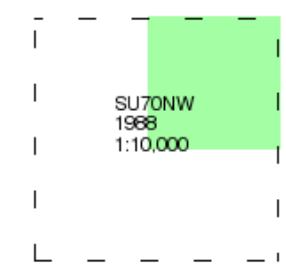
Portsmouth

Published 1988

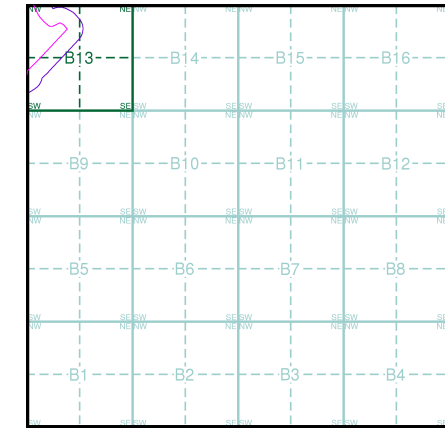
Source map scale - 1:10,000

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 B



Order Details

Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details

Site at 472000, 110000

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Ordnance Survey Plan

Published 1991 - 1992

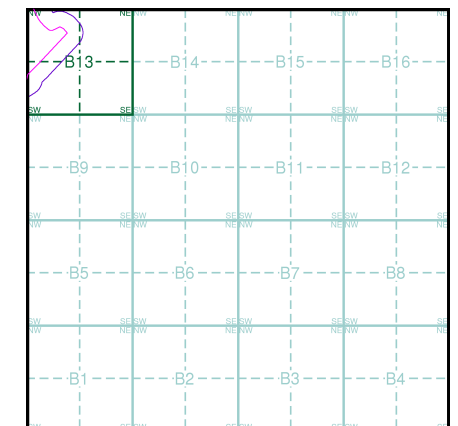
Source map scale - 1:10,000

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)

SU71SW	1992	1:10,000
SU70NW	1992	1:10,000
SU70NE	1991	1:10,000

Historical Map - Slice B



Order Details

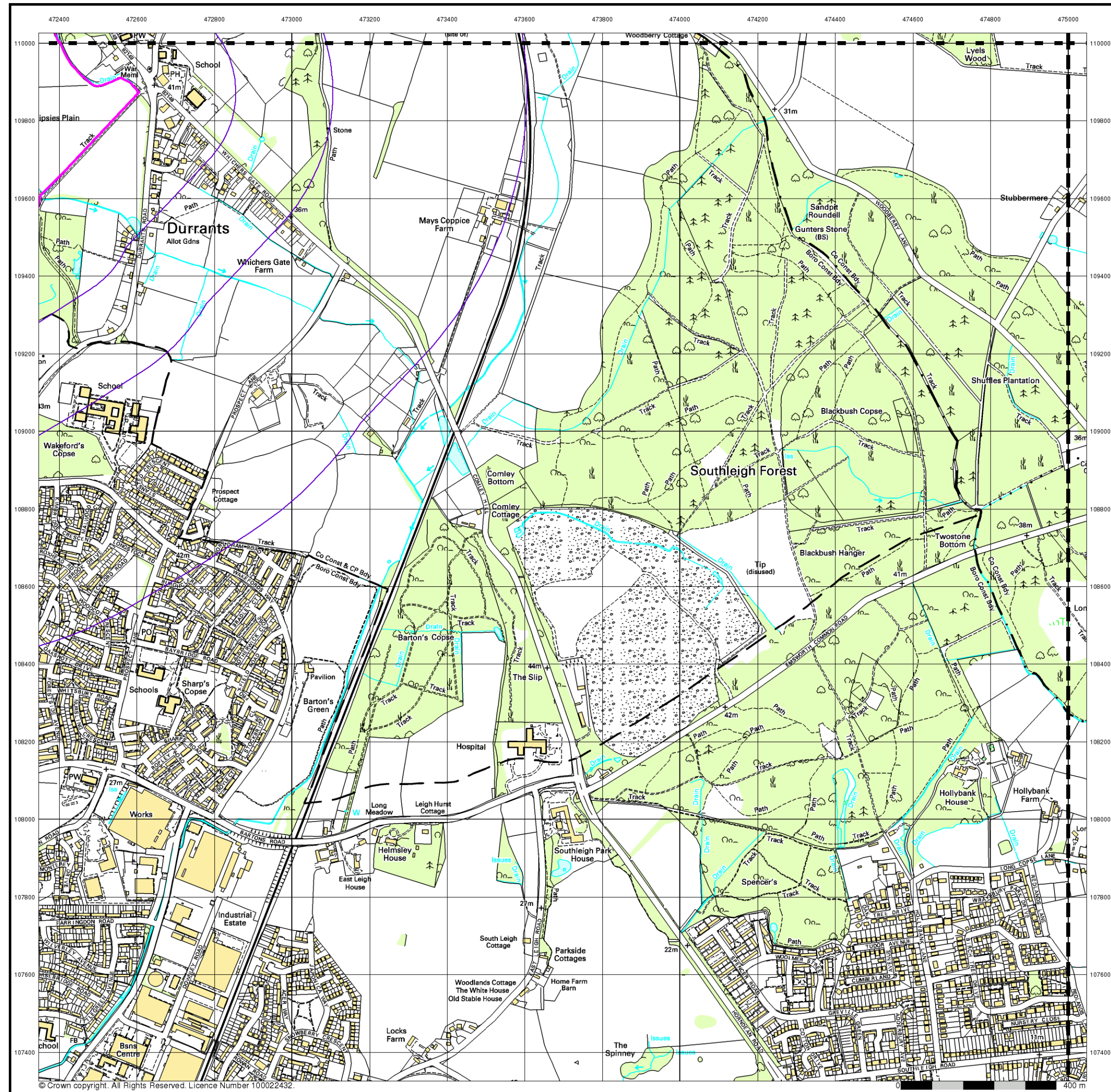
Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details

Site at 472000, 110000

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INFORMATION GROUP

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Web: www.envirocheck.co.uk



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10k Raster Mapping

Published 2000

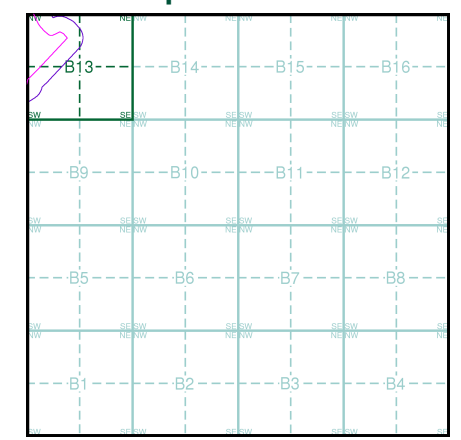
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SU71SW	SU71SE
2000	2000
1:10,000	1:10,000
SU70NW	SU70NE
2000	2000
1:10,000	1:10,000

Historical Map - Slice B



Order Details

Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details

Site at 472000, 110000

Landmark
INFORMATION GROUP

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10k Raster Mapping

Published 2006

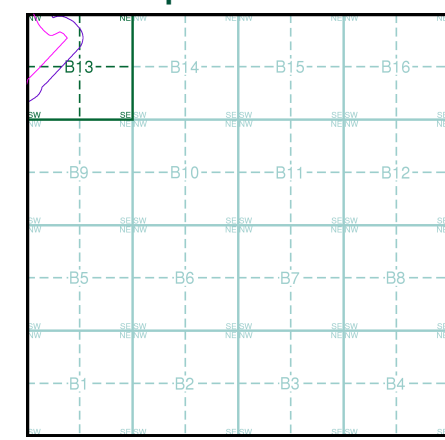
Source map scale - 1:10,000

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)

SU71SW	SU71SE
2006	2006
1:10,000	1:10,000
SU70NW	SU70NE
2006	2006
1:10,000	1:10,000

Historical Map - Slice B

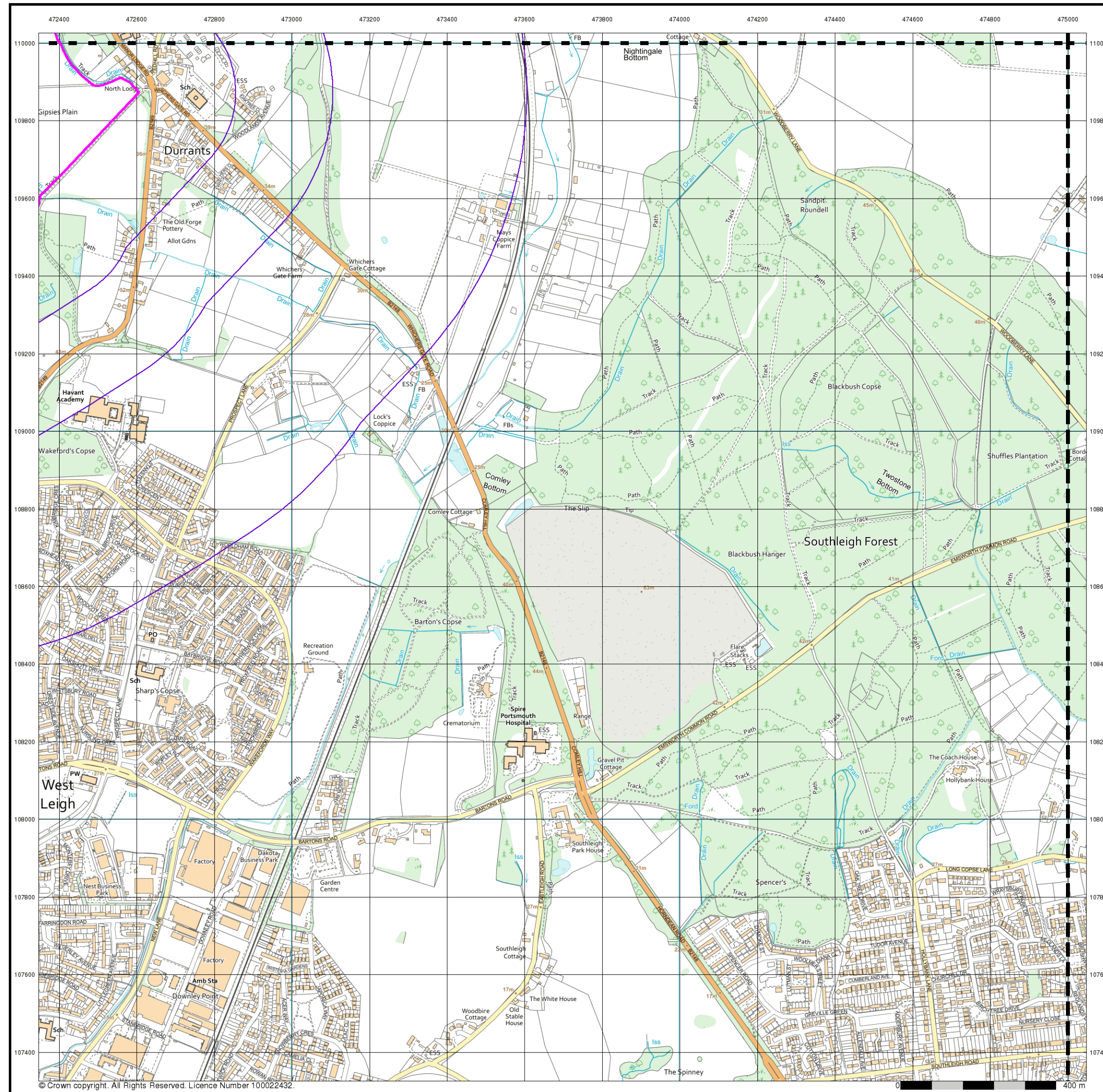


Order Details
Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details
Site at 472000, 110000

INFORMATION GROUP

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VectorMap Local

Published 2019

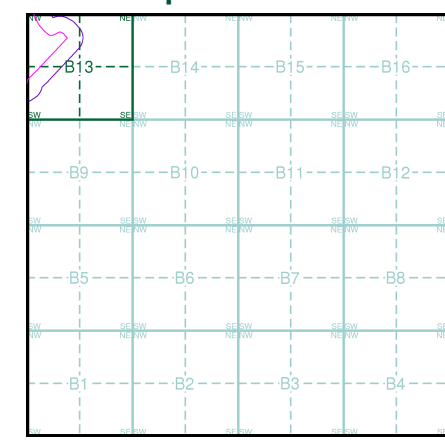
Source map scale - 1:10,000

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)

SU71SW 2019 Variable	SU71SE 2019 Variable
SU70NW 2019 Variable	SU70NE 2019 Variable

Historical Map - Slice B



Order Details

Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details

Site at 472000, 110000

Landmark
INFORMATION GROUP

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General

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

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral
- 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 (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

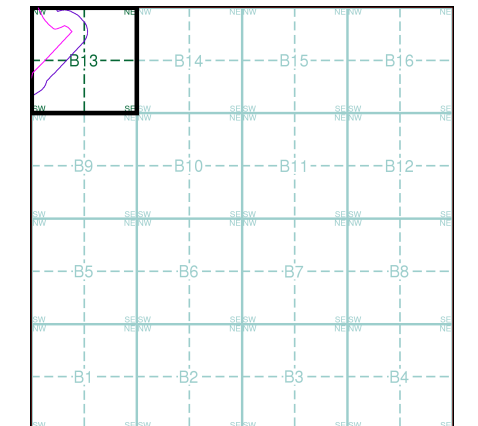
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment B13

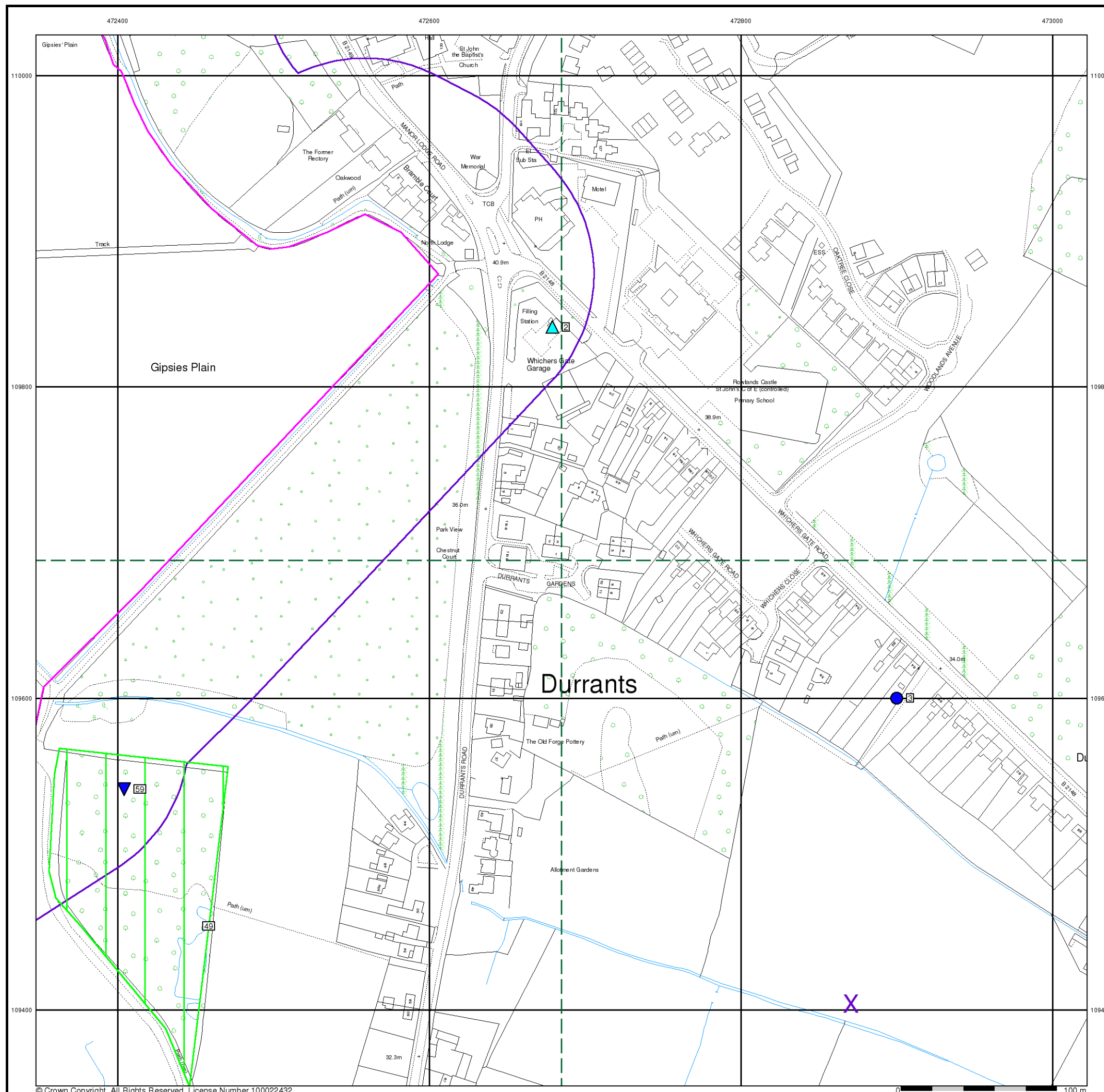


Order Details

Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472870, 109400
 Slice: B
 Site Area (Ha): 172.43
 Plot Buffer (m): 100

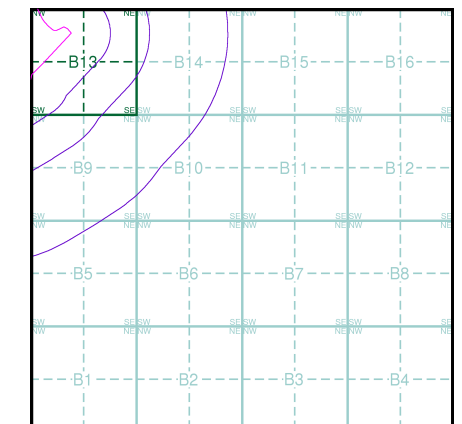
Site Details

Site at 472000, 110000



- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - 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 (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 - Slice B

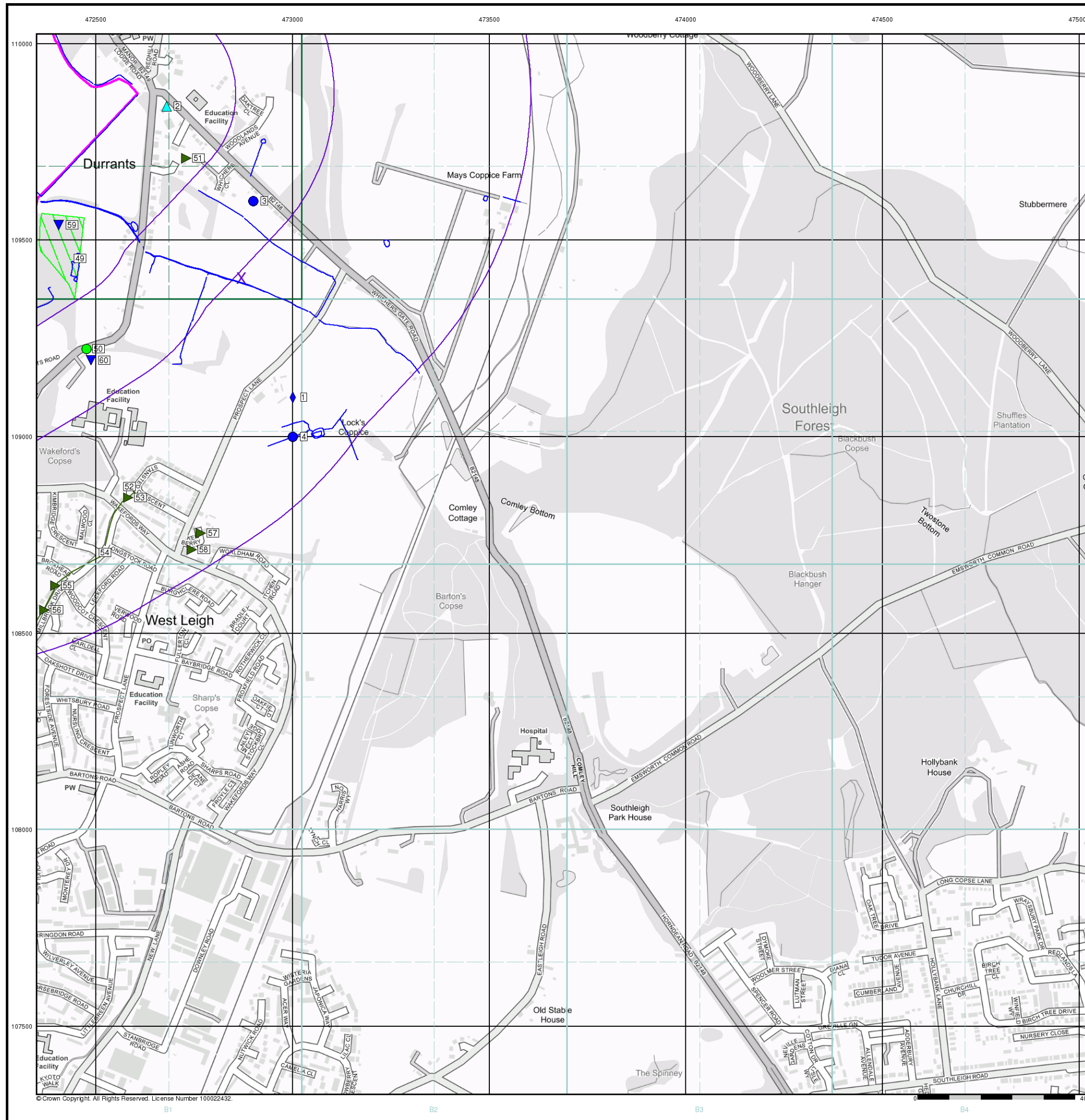


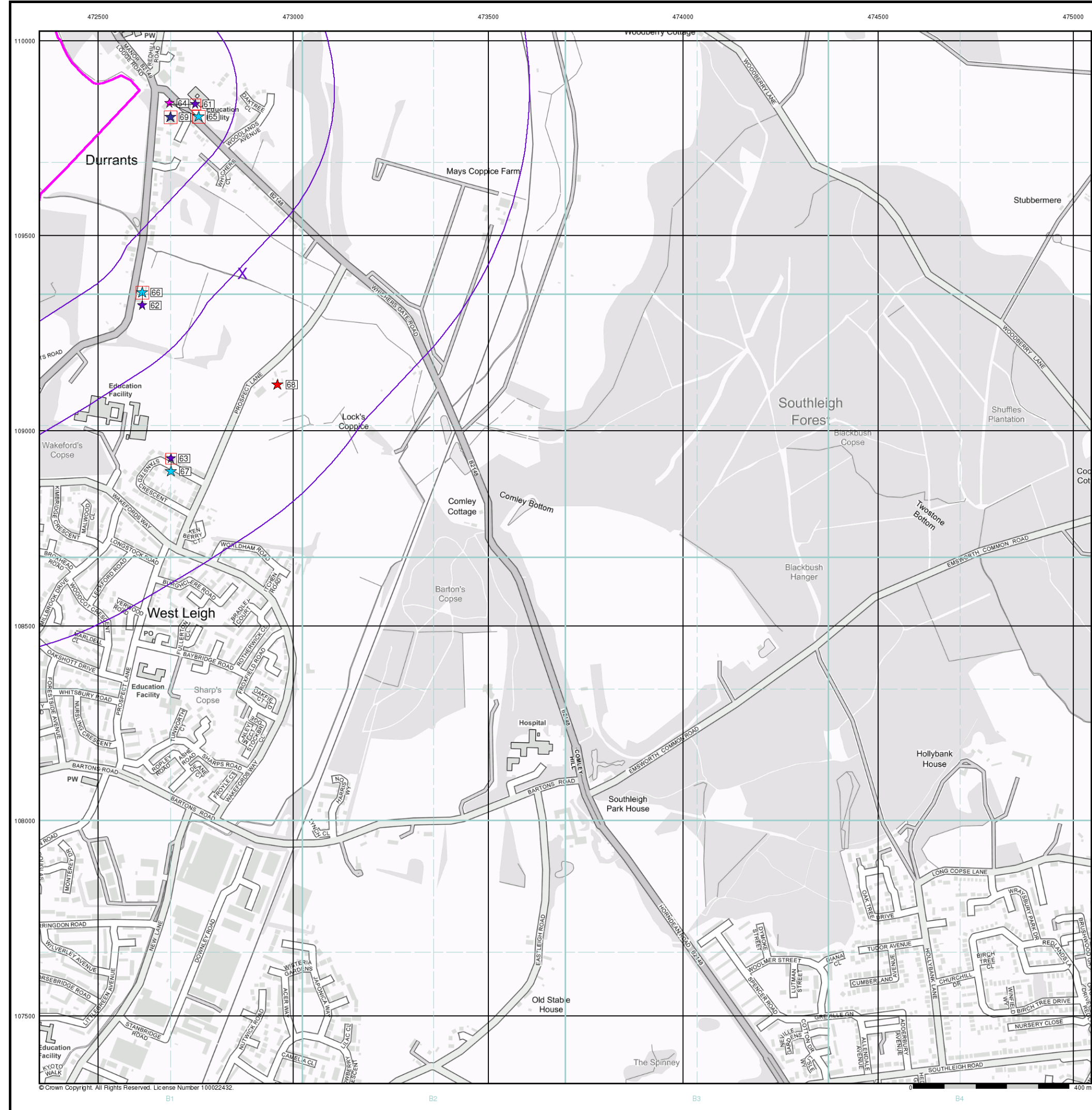
Order Details

Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472870, 109400
 Slice: B
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

Site at 472000, 110000





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Industrial Land Use Map

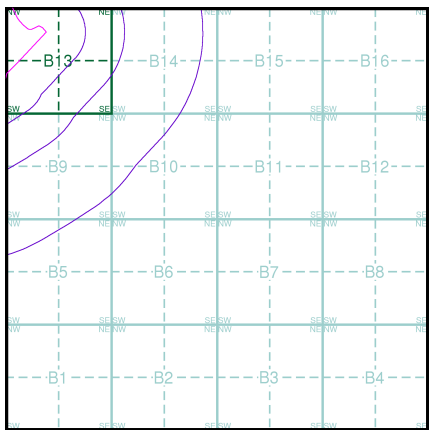
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice B



Order Details

Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details

Site at 472000, 110000

Landmark
INFORMATION GROUP

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Web: www.envirocheck.co.uk

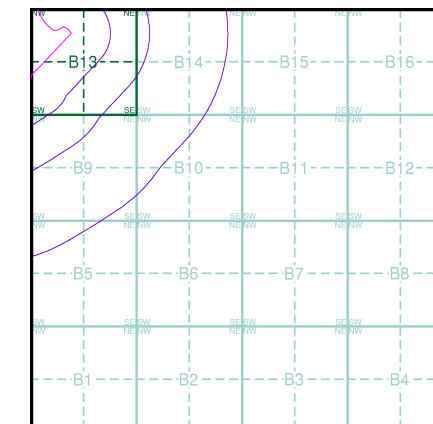
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice B

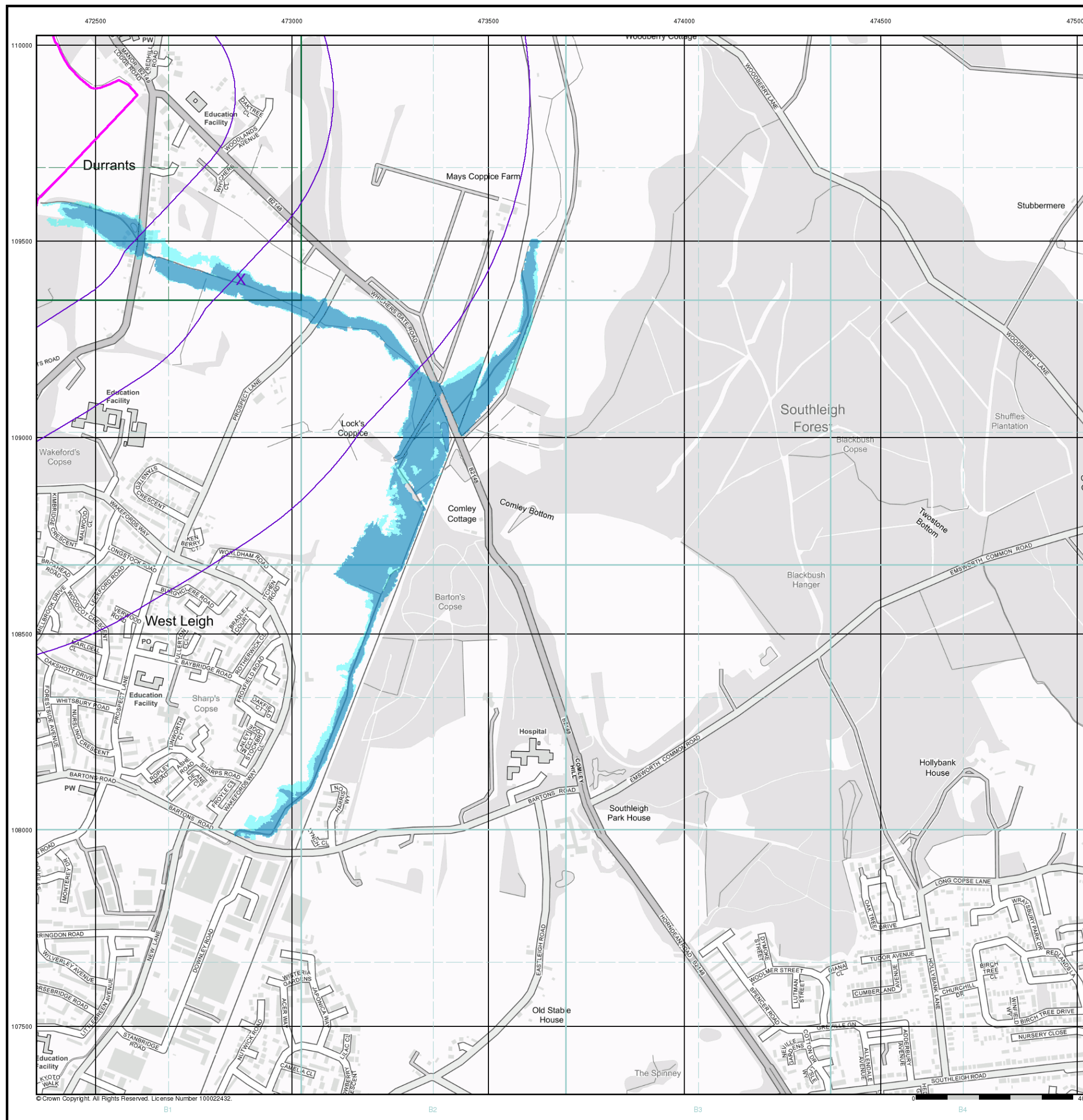


Order Details

Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472870, 109400
 Slice: B
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

Site at 472000, 110000



General

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

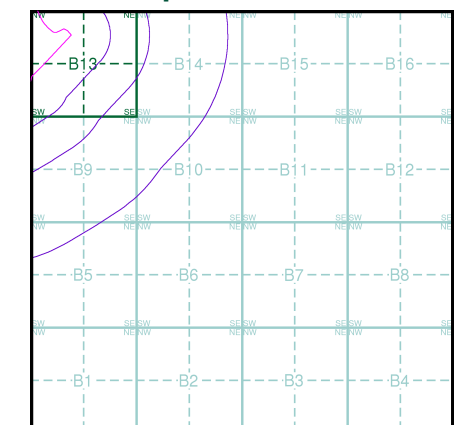
Agency and Hydrological (Boreholes)

- 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 B

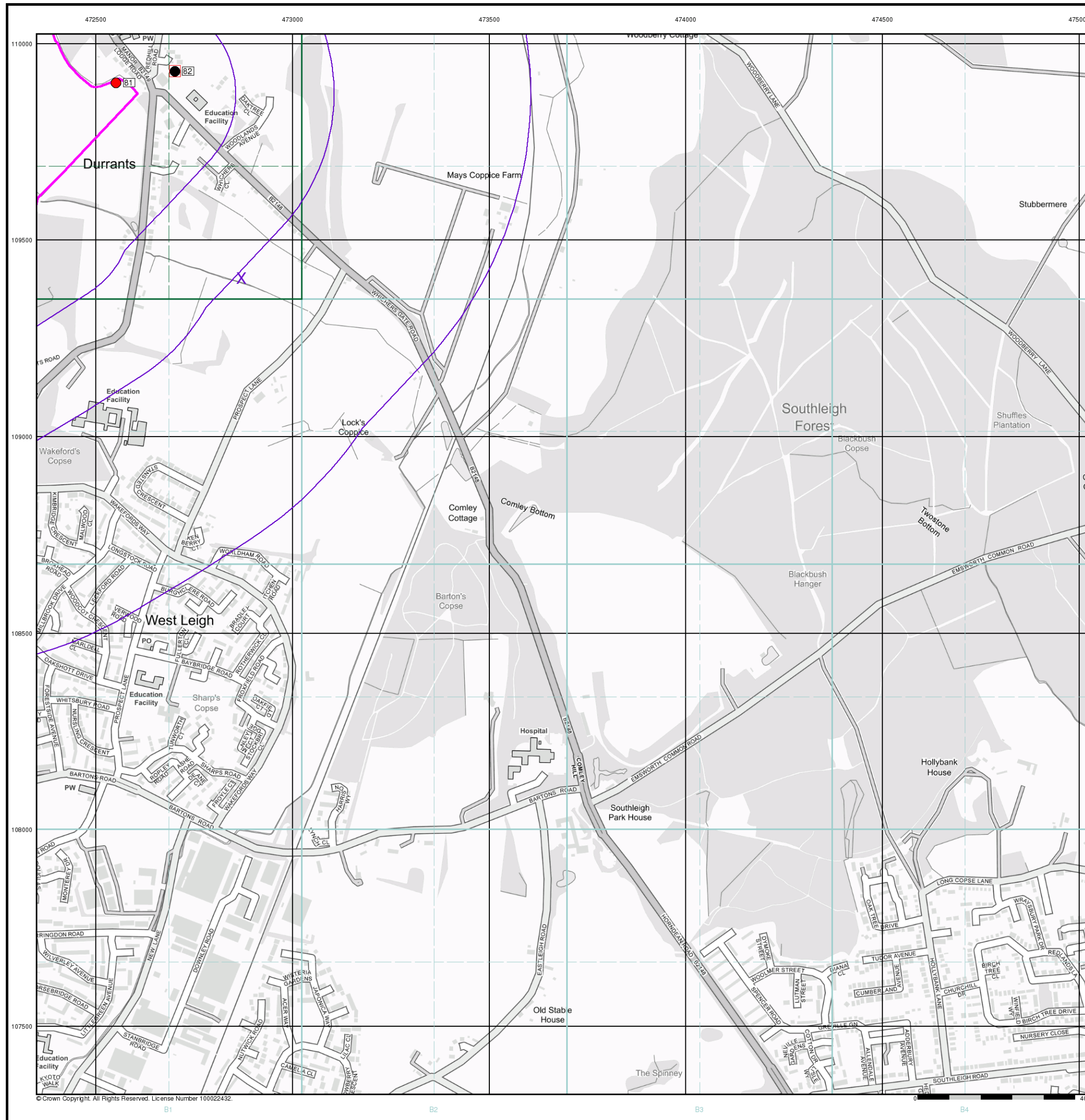


Order Details

Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472870, 109400
 Slice: B
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

Site at 472000, 110000



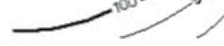
General

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

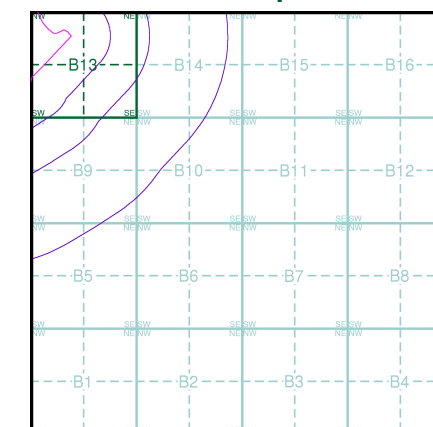
OS Water Network Data

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

Contours (height in meters)

- Standard Contour  MLW Mean Low Water
- Master Contour  MHV Mean High Water
- Spot Height  167.3

OS Water Network Map - Slice B

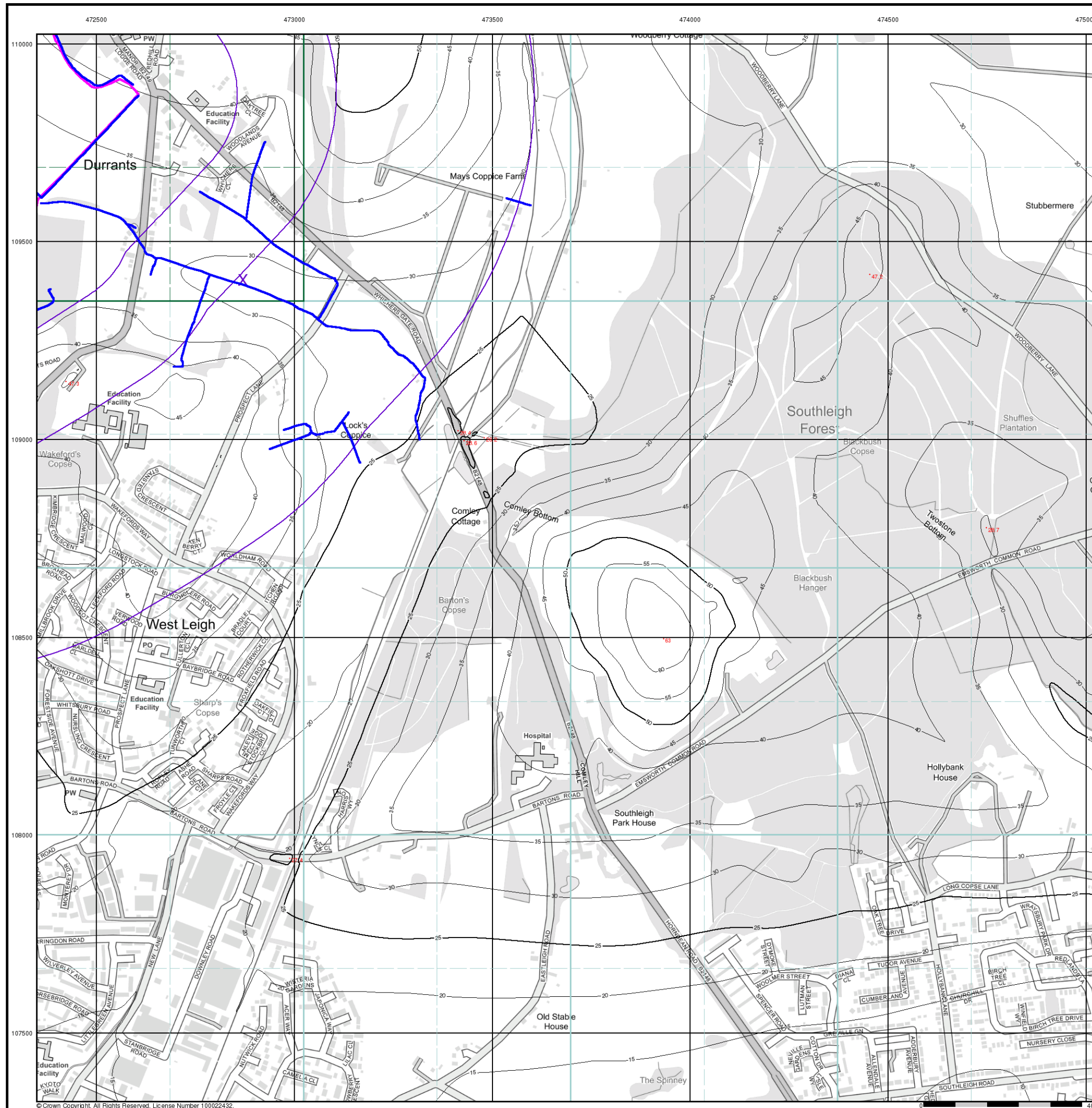


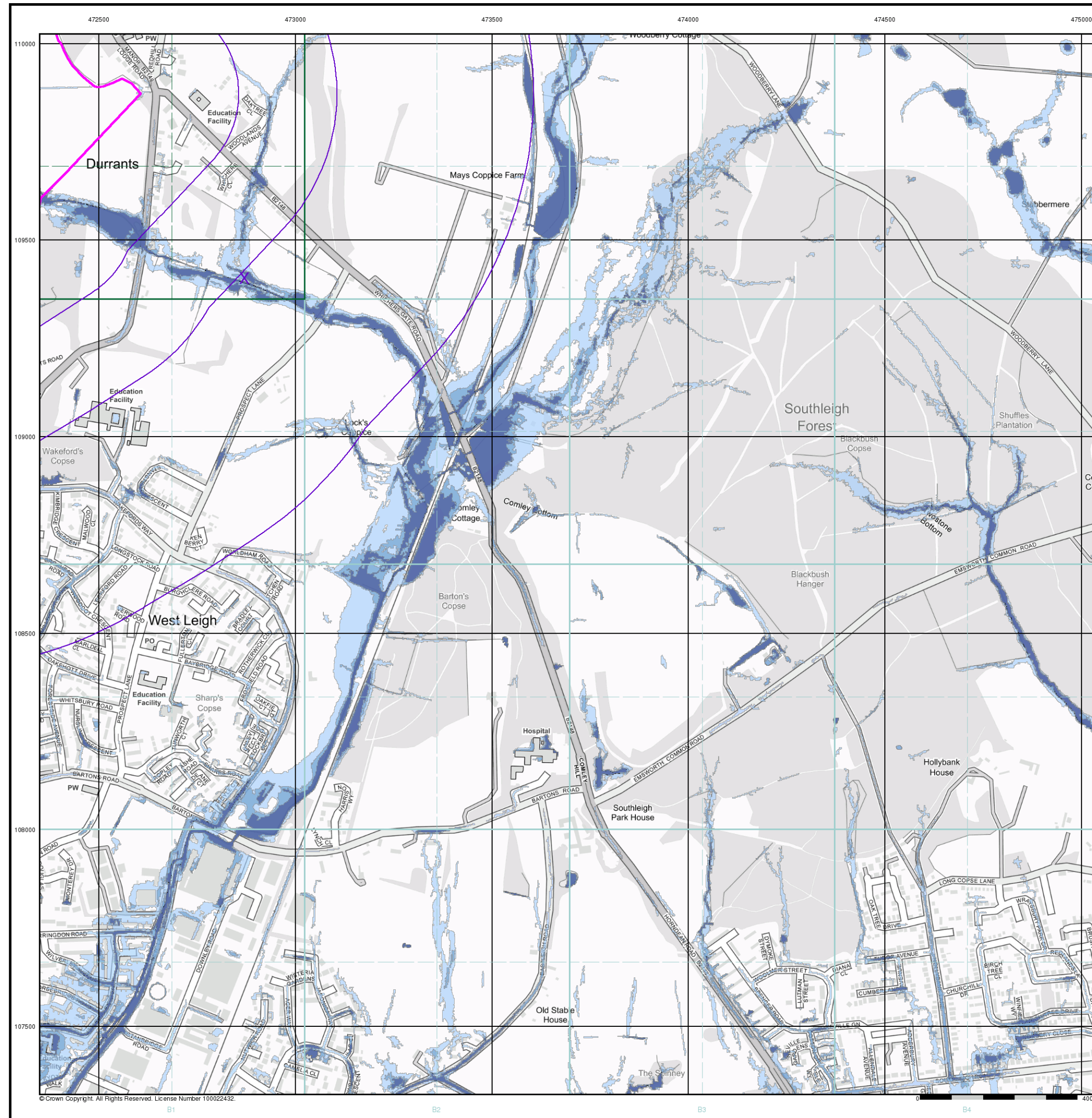
Order Details

Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472870, 109400
 Slice: B
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

Site at 472000, 110000





General

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

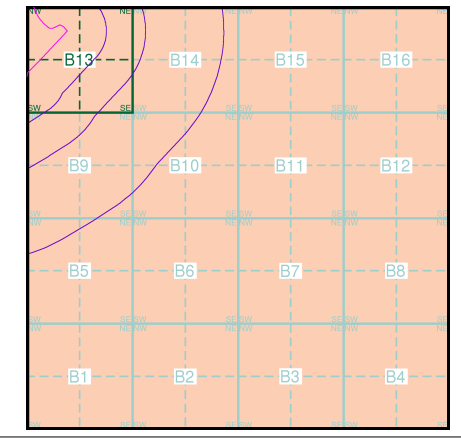
Risk of Flooding from Surface Water

- 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

E/NRW Suitability Map - Slice B



Order Details

Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details

Site at 472000, 110000



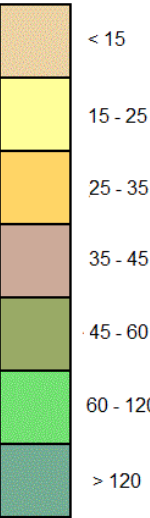
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

General

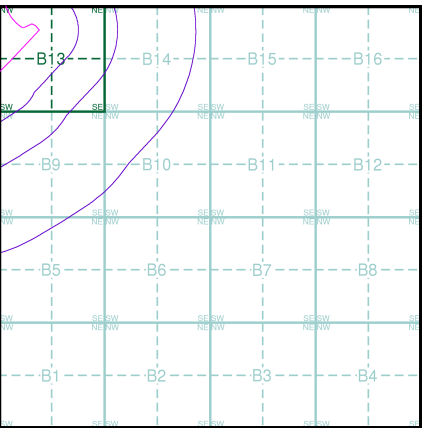
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice B



Order Details

Order Details: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details

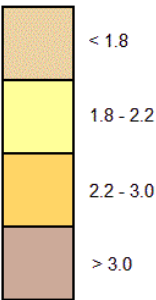
Site at 472000, 110000

General

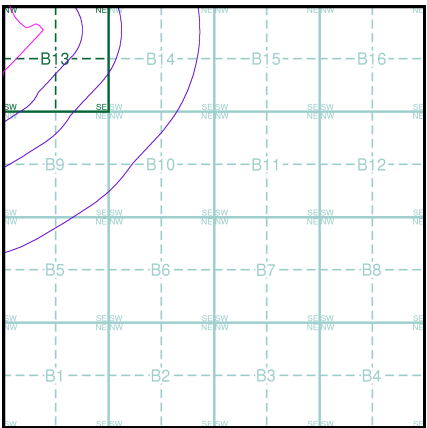
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice B

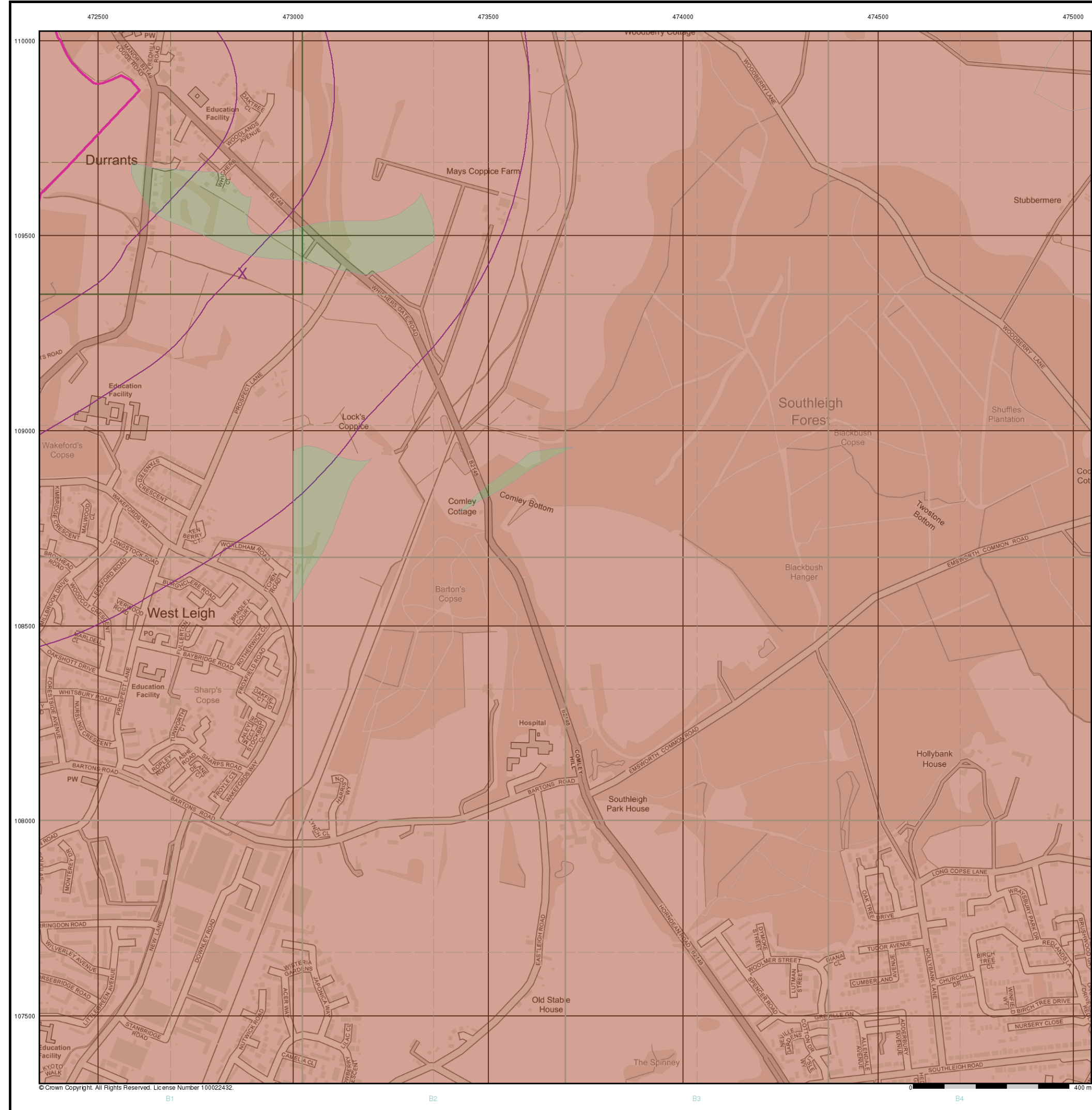


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Order Details: 202069335_1_1
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Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details

Site at 472000, 110000



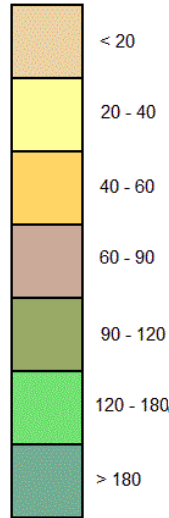
ATKINS

General

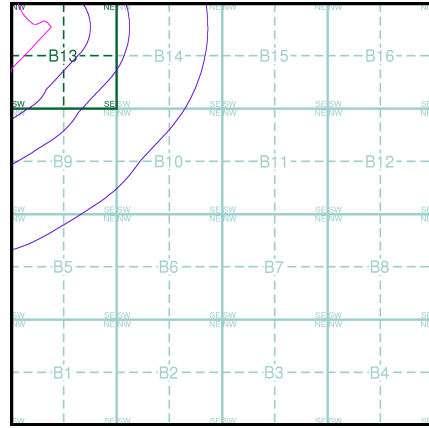
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice B



Order Details

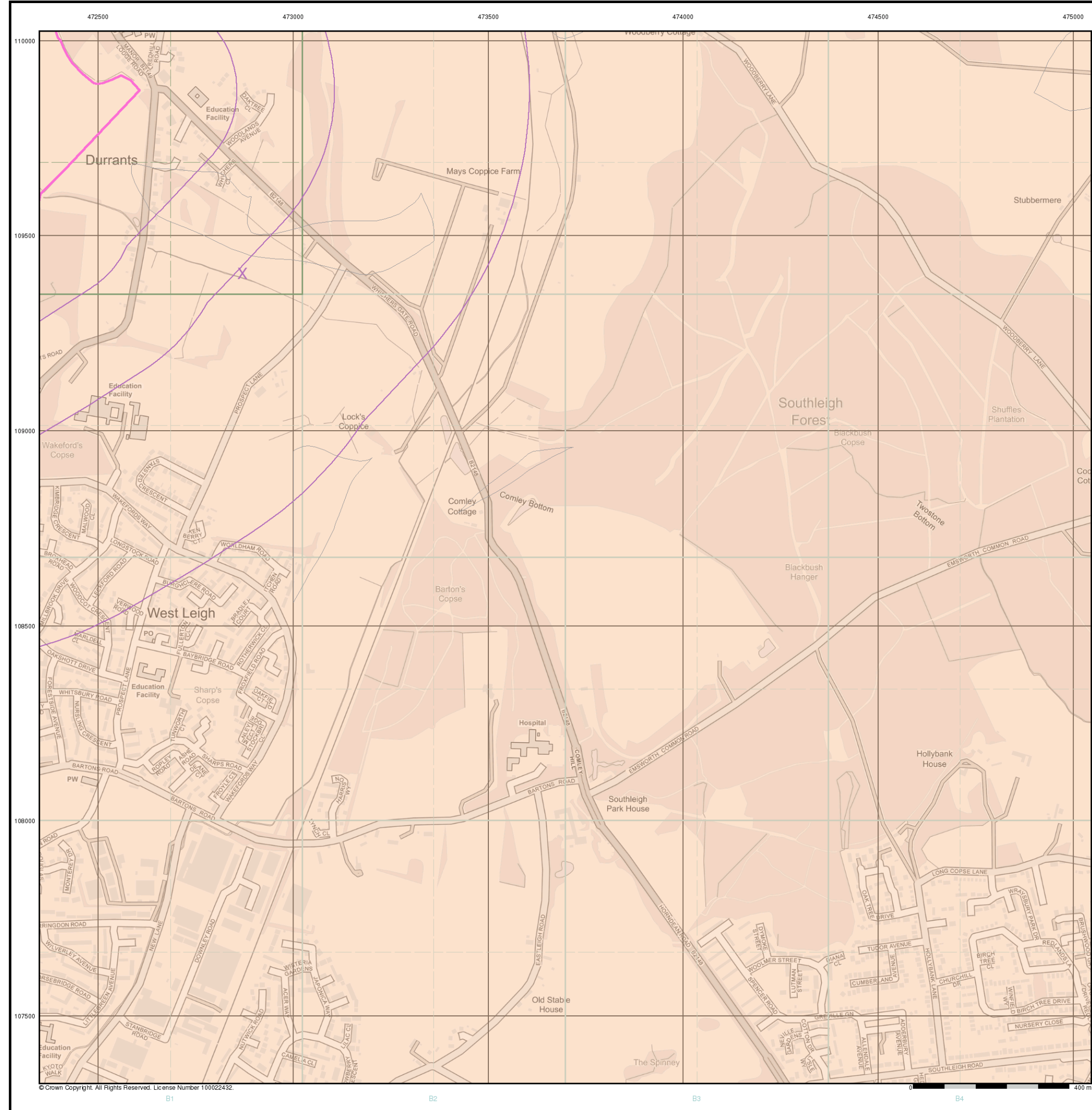
Order Details: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details

Site at 472000, 110000

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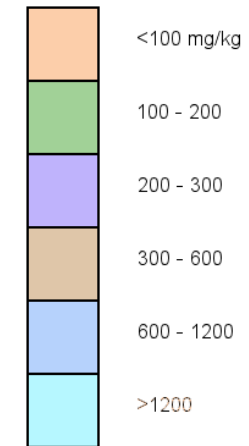
ATKINS

General

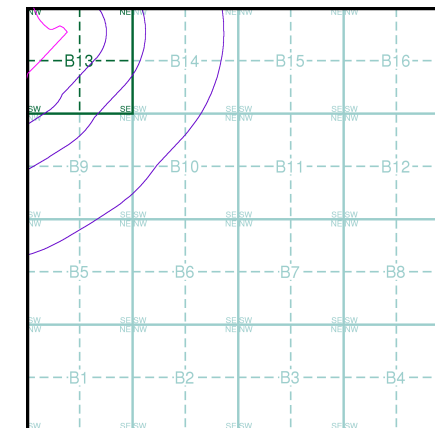
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice B



Order Details

Order Details: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details

Site at 472000, 110000

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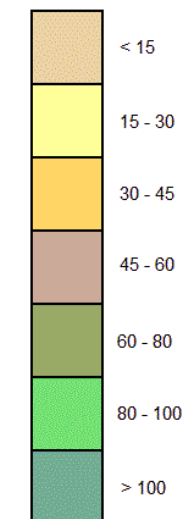
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

General

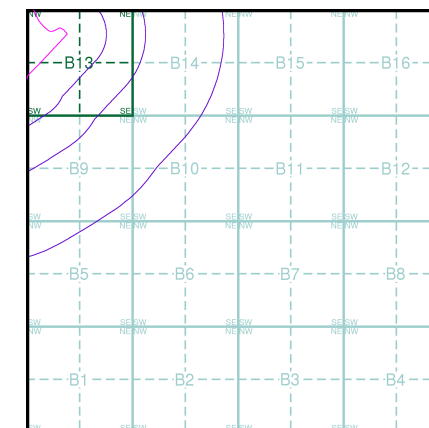
✱ Specified Site
 ✱ Specified Buffer(s)
 ✱ Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice B

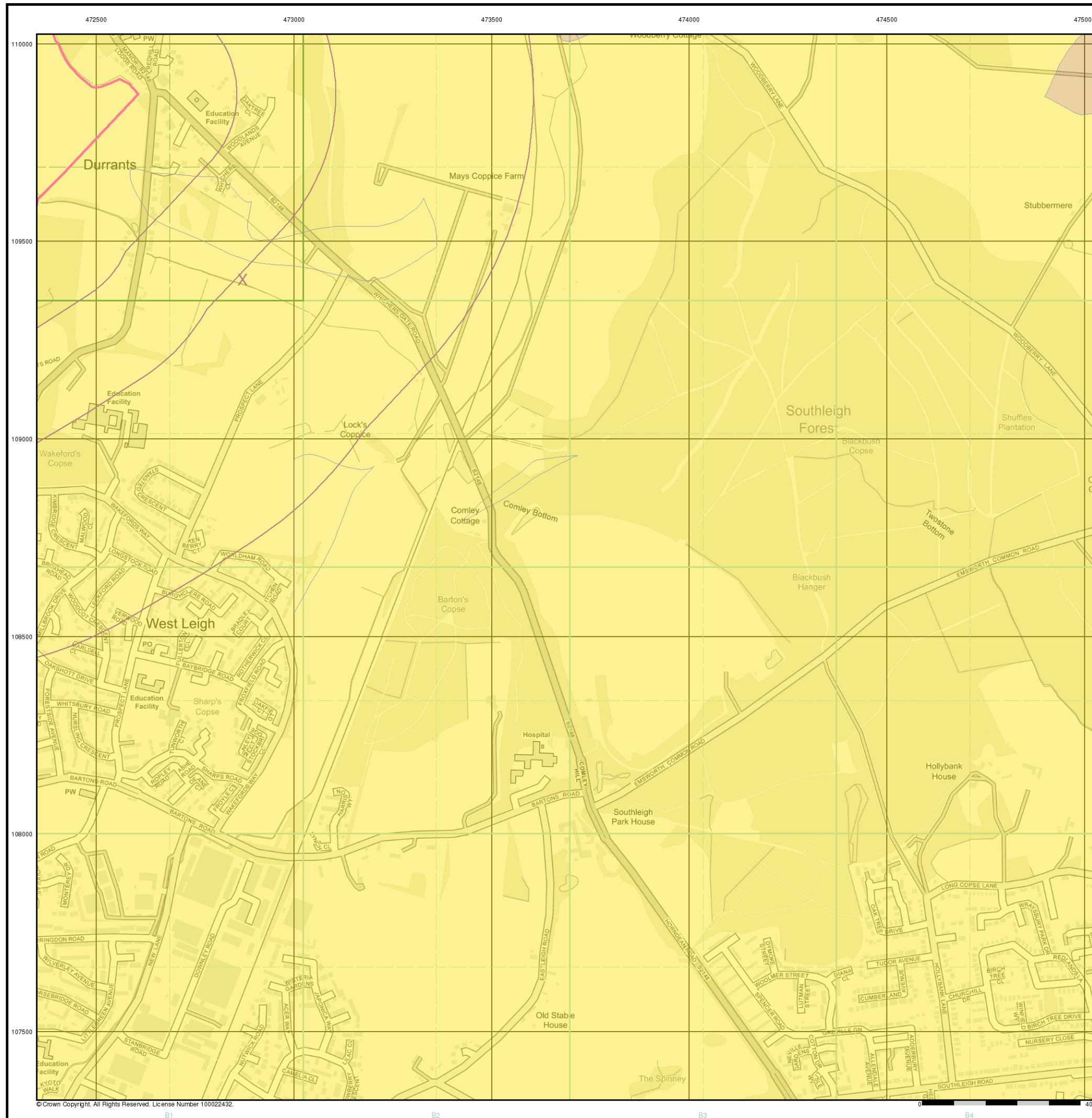


Order Details

Order Details: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472870, 109400
 Slice: B
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

Site at 472000, 110000



Historical Mapping Legends

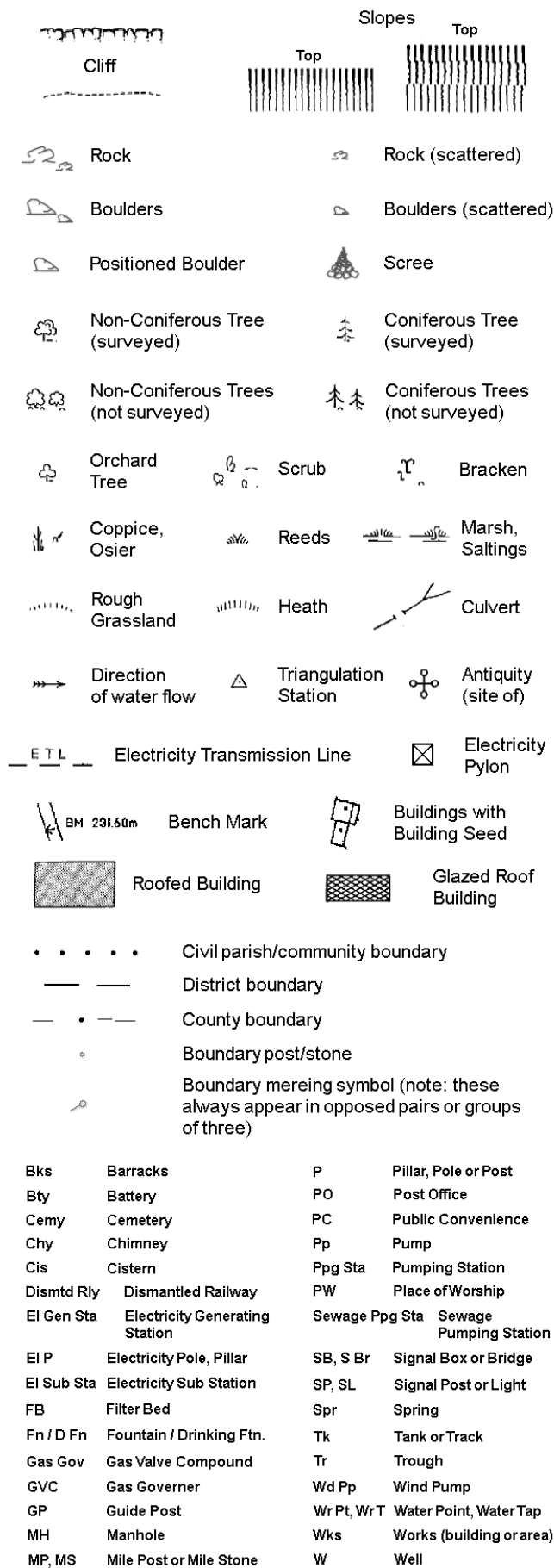
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



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

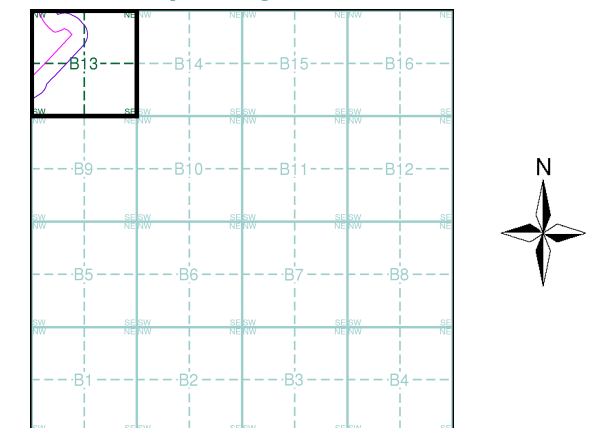


ATKINS

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Hampshire & Isle Of Wight	1:2,500	1878	2
Hampshire & Isle Of Wight	1:2,500	1897	3
Hampshire & Isle Of Wight	1:2,500	1909	4
Hampshire & Isle Of Wight	1:2,500	1932	5
Ordnance Survey Plan	1:2,500	1970	6
Supply of Unpublished Survey Information	1:2,500	1973	7
Additional SIMs	1:2,500	1979 - 1984	8
Additional SIMs	1:2,500	1981 - 1989	9
Additional SIMs	1:2,500	1991	10
Large-Scale National Grid Data	1:2,500	1993	11
Large-Scale National Grid Data	1:2,500	1996	12
Historical Aerial Photography	1:2,500	1999	13

Historical Map - Segment B13



Order Details

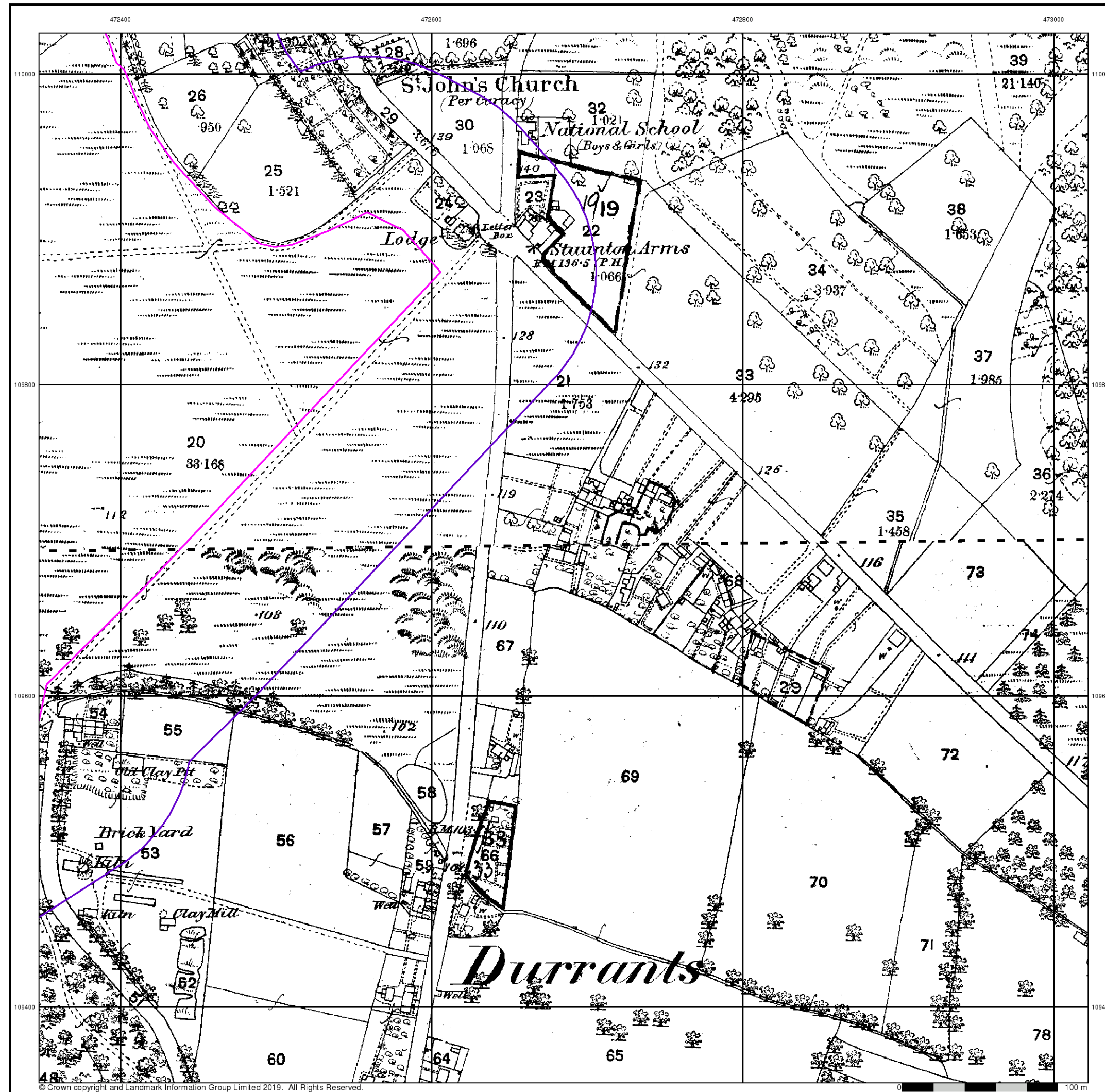
Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 100

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Hampshire & Isle Of Wight

Published 1878

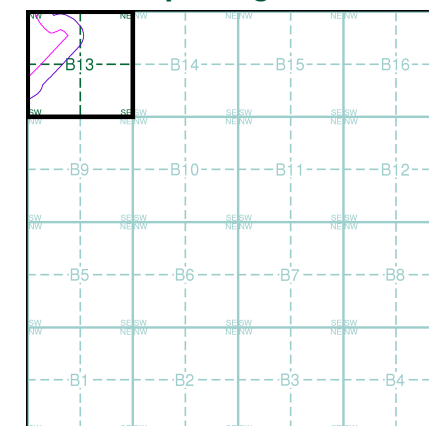
Source map scale - 1:2,500

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)

068_15
1878
1:2,500
076_03
1878
1:2,500

Historical Map - Segment B13



Order Details

Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 100

Site Details

Site at 472000, 110000

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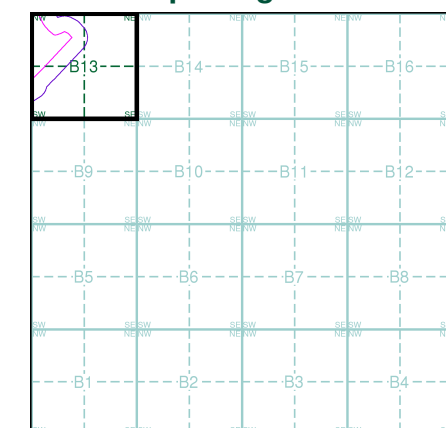
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Fax: 0844 844 9951
Web: www.envirocheck.co.uk

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)

068.15	1897	1:2,500
076.03	1897	1:2,500

Historical Map - Segment B13

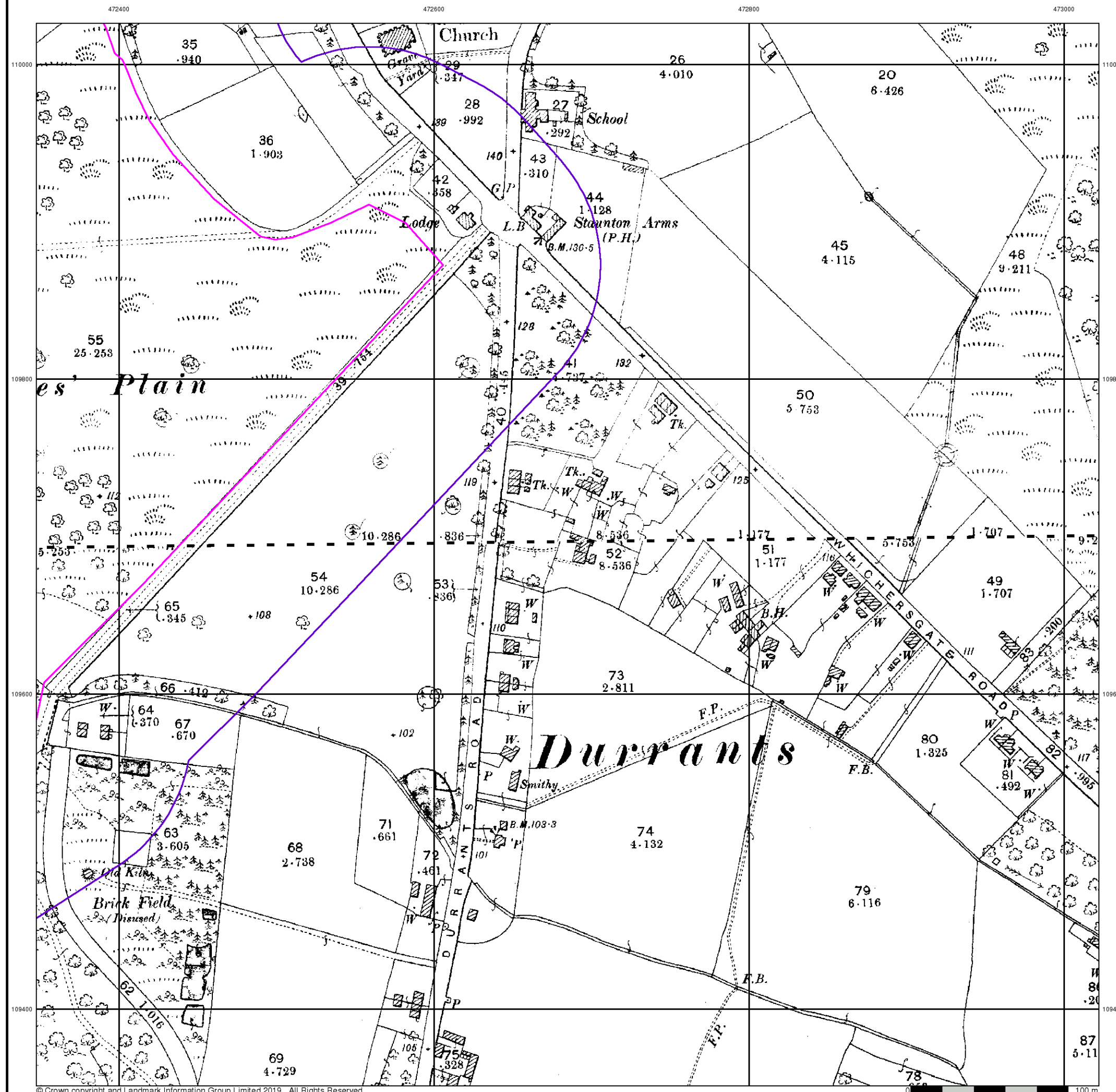


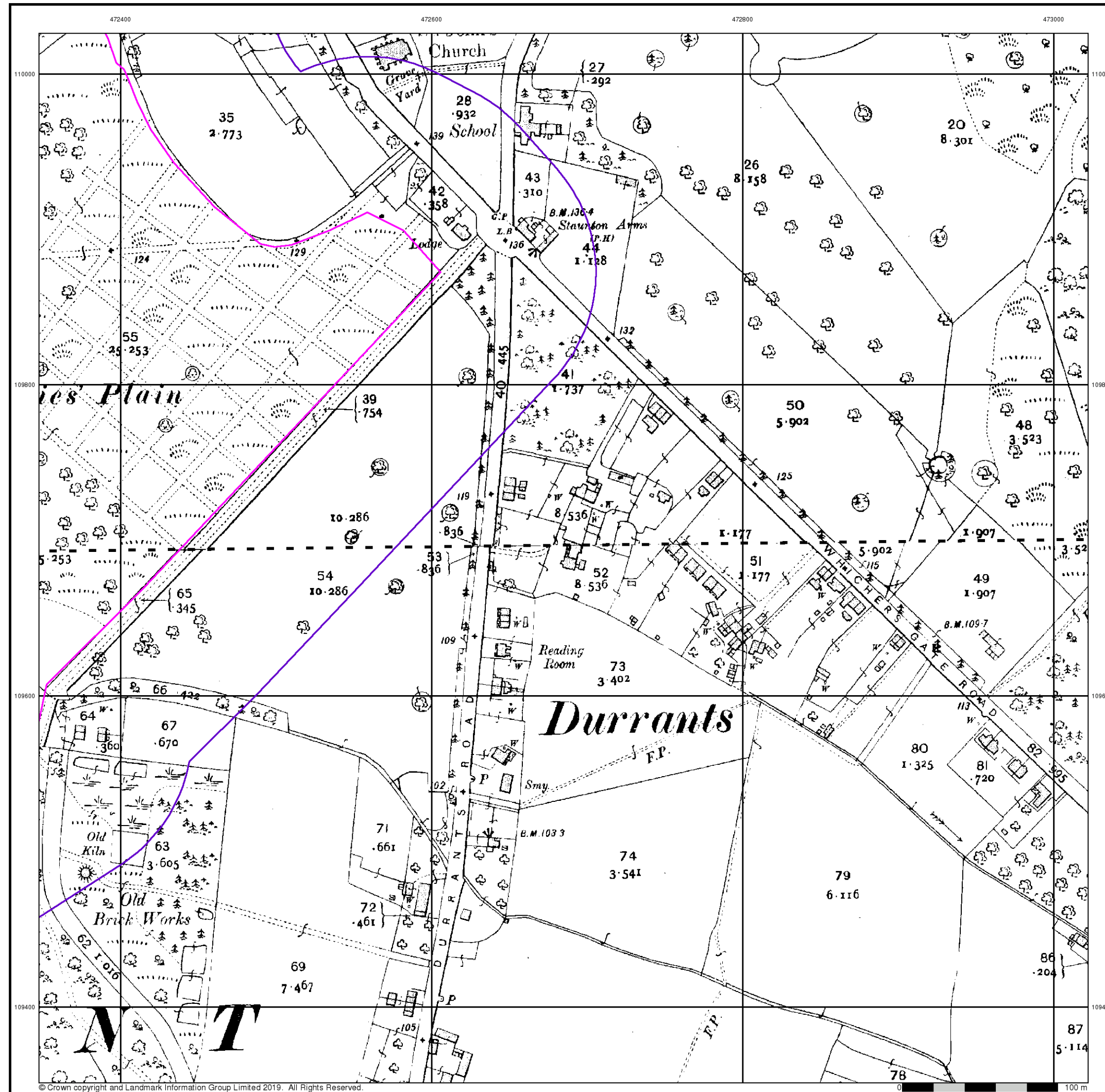
Order Details

Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472870, 109400
 Slice: B
 Site Area (Ha): 172.43
 Search Buffer (m): 100

Site Details

Site at 472000, 110000





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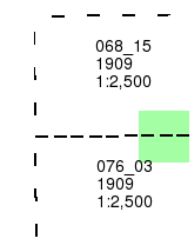
Hampshire & Isle Of Wight

Published 1909

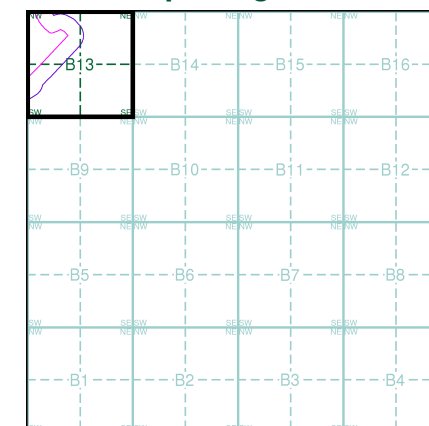
Source map scale - 1:2,500

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 B13



Order Details

Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 100

Site Details

Site at 472000, 110000

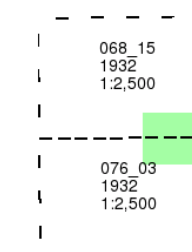
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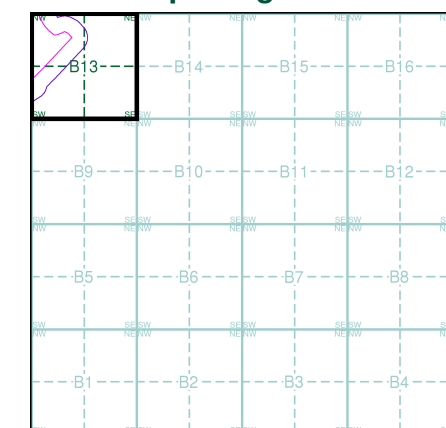


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

Map Name(s) and Date(s)



Historical Map - Segment B13



Order Details

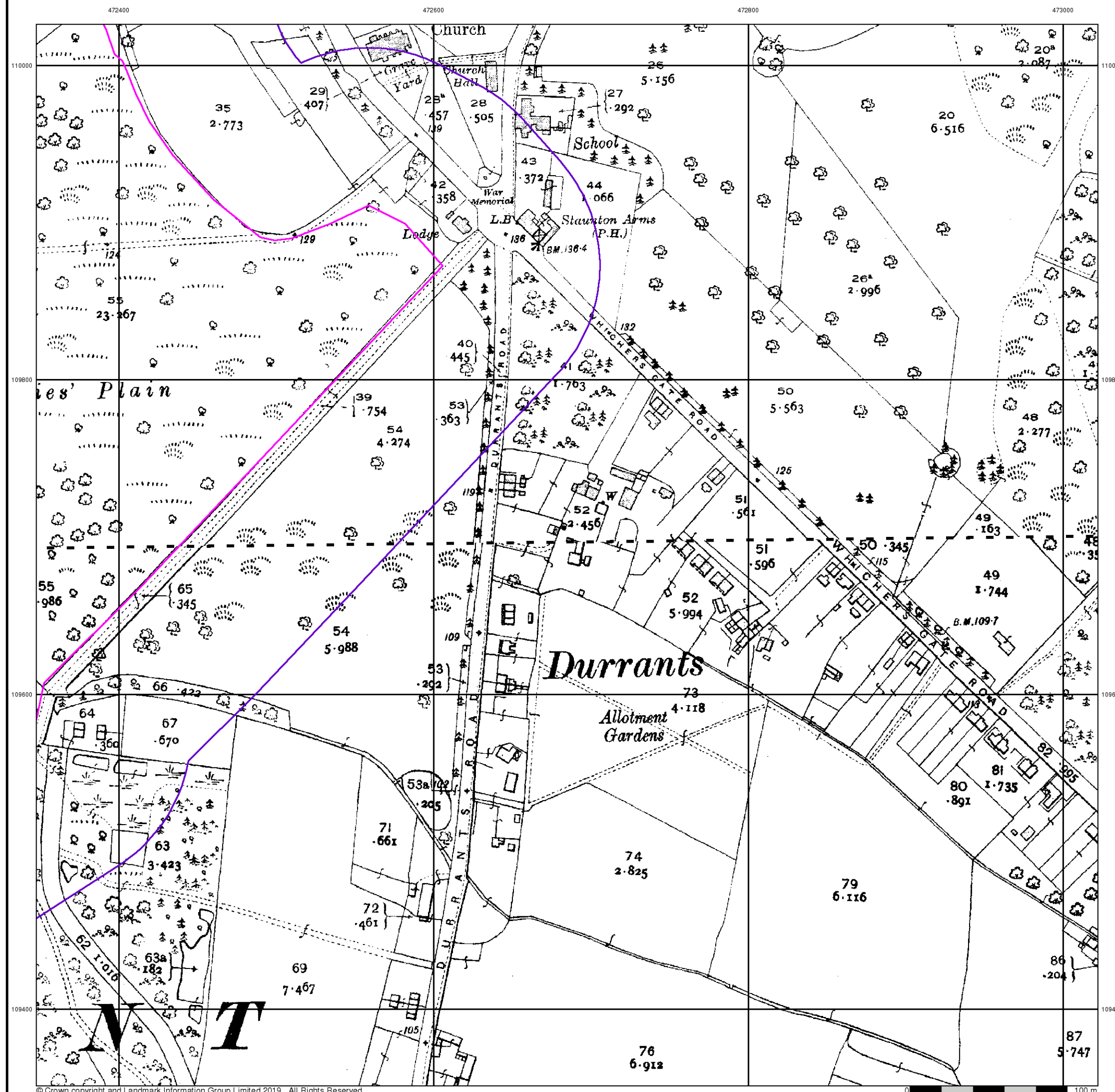
Order Number:	202069335_1_1
Customer Ref:	5169117
National Grid Reference:	472870, 109400
Slice:	B
Site Area (Ha):	172.43
Search Buffer (m):	100

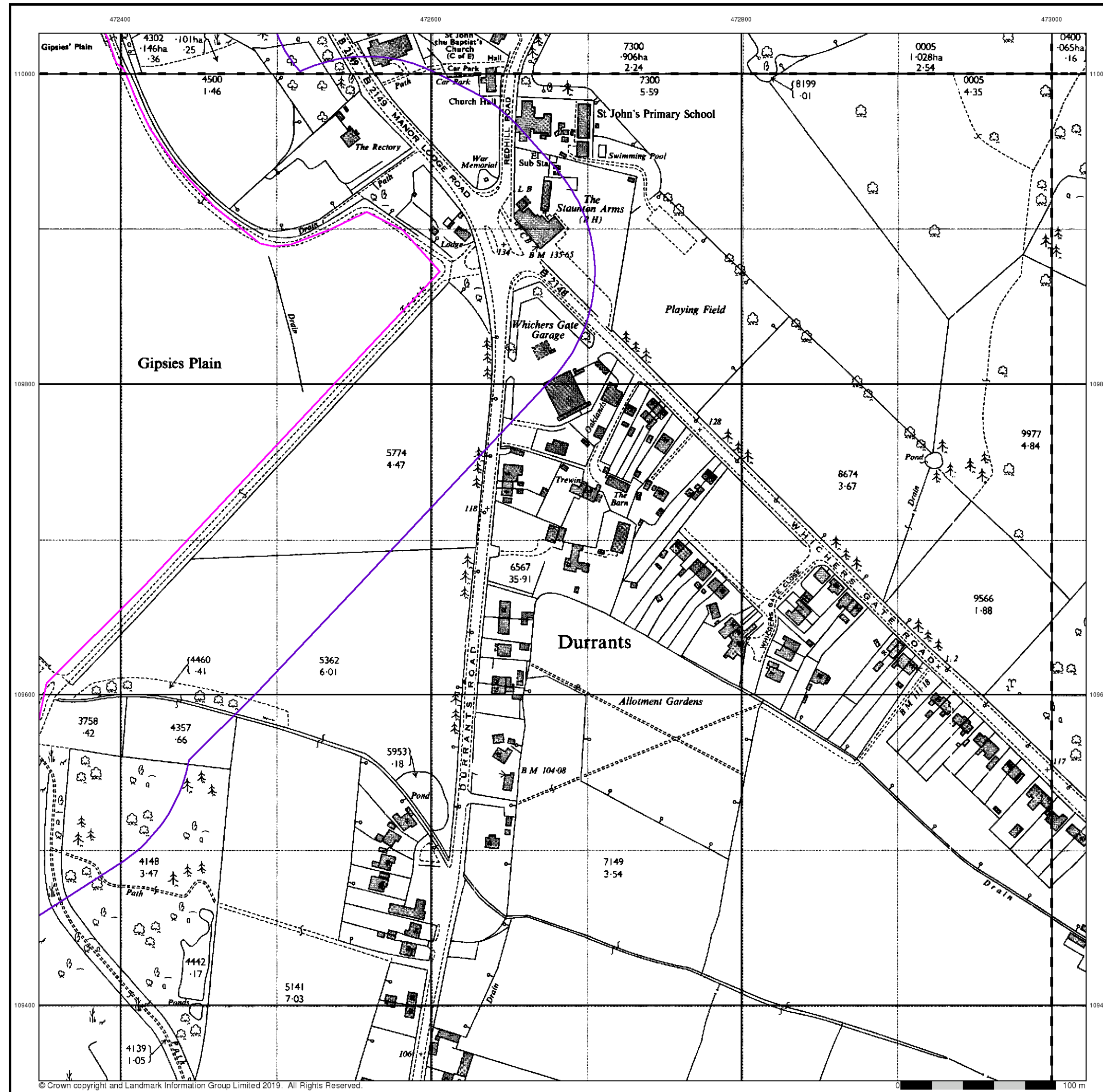
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Ordnance Survey Plan

Published 1970

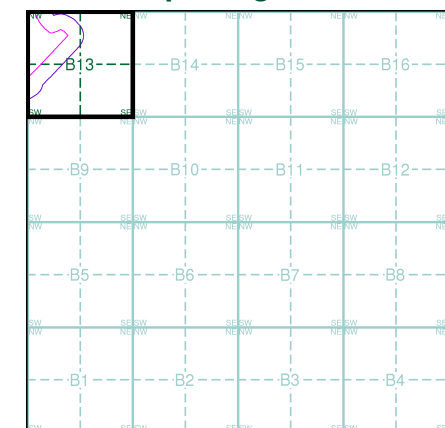
Source map scale - 1:2,500

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)

SU7210 1970 12,500	SU7310 1970 12,500
SU7209 1970 12,500	SU7309 1970 12,500

Historical Map - Segment B13



Order Details

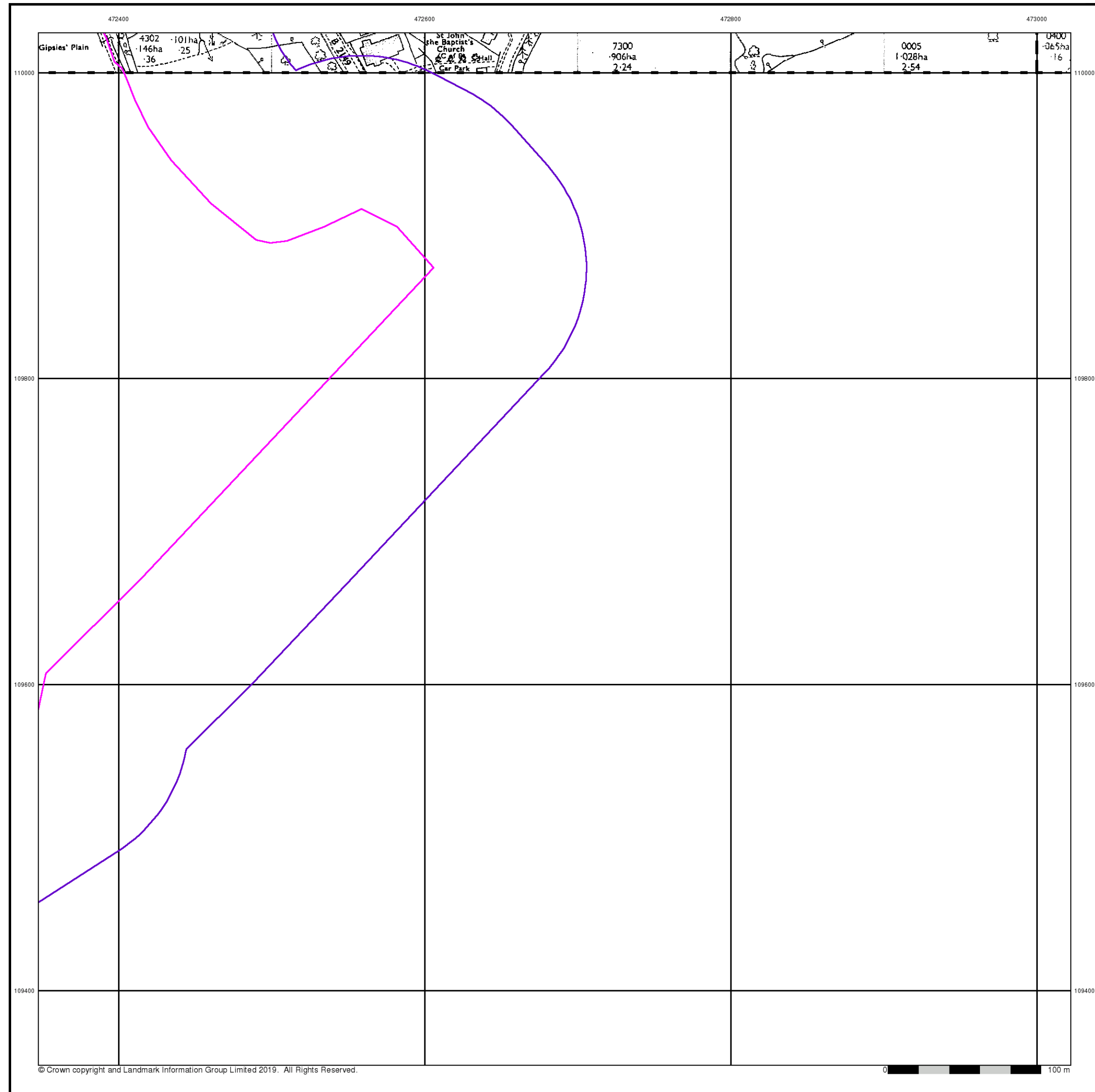
Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 100

Site Details

Site at 472000, 110000



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Supply of Unpublished Survey Information

Published 1973

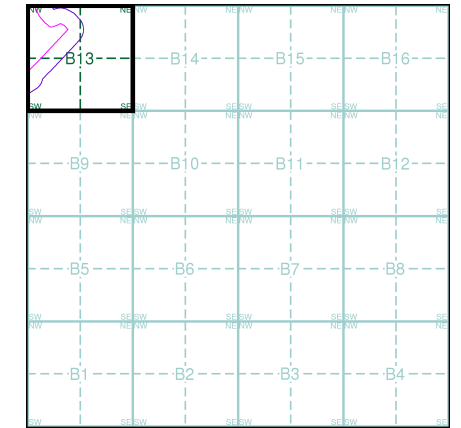
Source map scale - 1:2,500

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SU7210 1973 1:2,500	SU7310 1973 1:2,500
---------------------------	---------------------------

Historical Map - Segment B13



Order Details

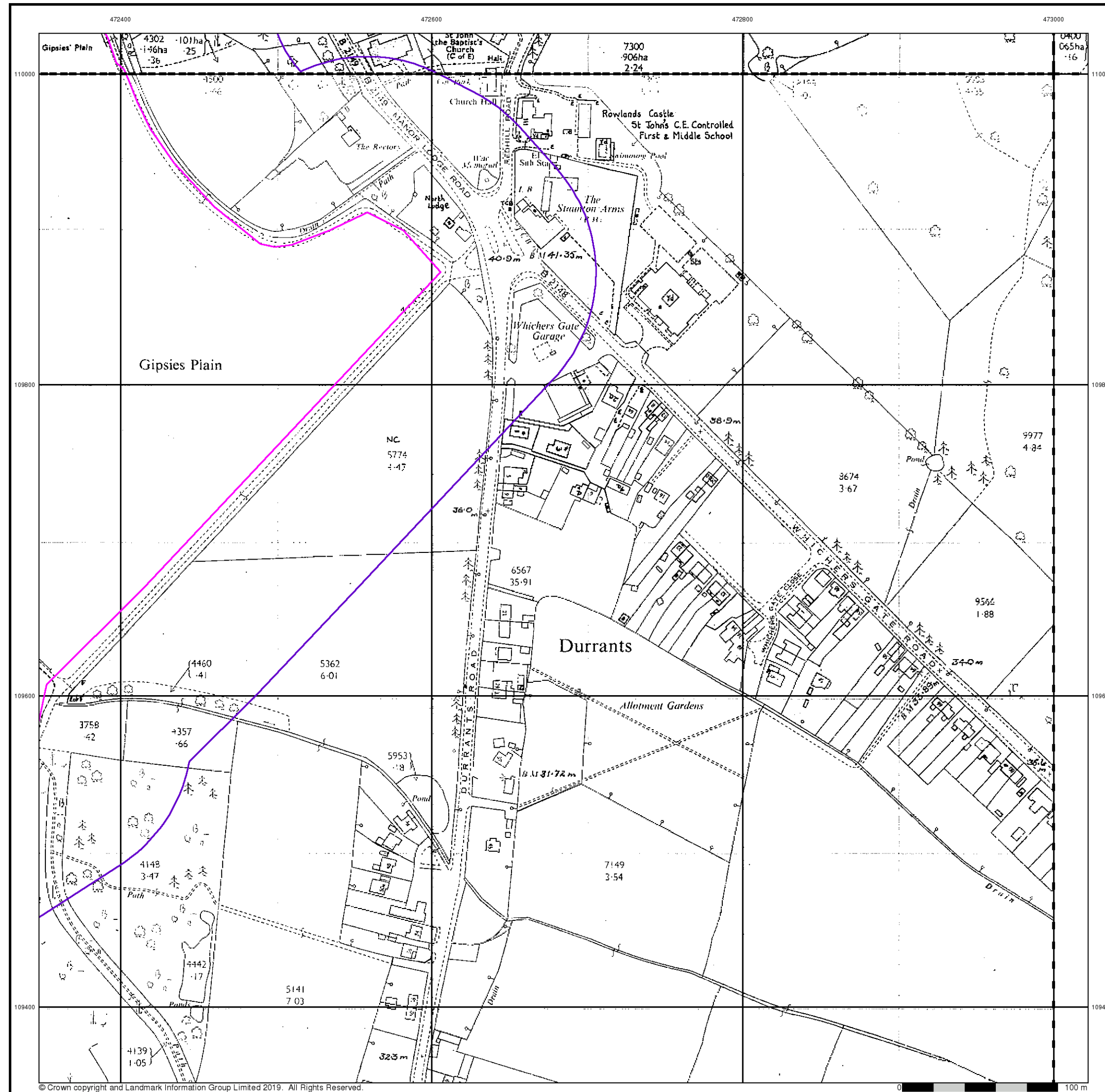
Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 100

Site Details

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Additional SIMs

Published 1979 - 1984

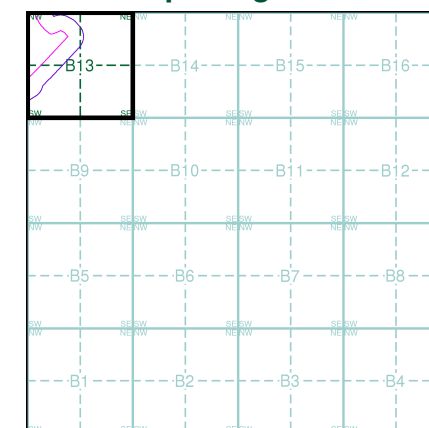
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

SU7210 1984 1:2,500	SU7310 1979 1:2,500
SU7209 1979 1:2,500	

Historical Map - Segment B13



Order Details

Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 100

Site Details

Site at 472000, 110000

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Additional SIMs

Published 1981 - 1989

Source map scale - 1:2,500

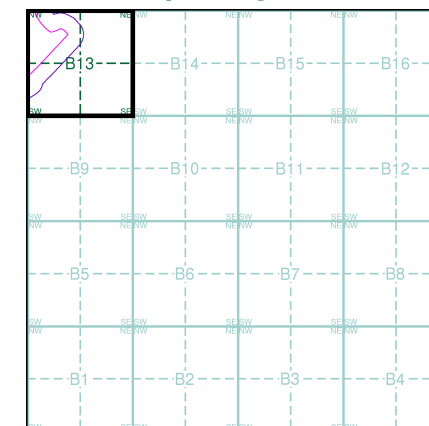
The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name(s) and Date(s)

SU7210
1989
1:2,500

SU7209
1981
1:2,500

Historical Map - Segment B13



Order Details

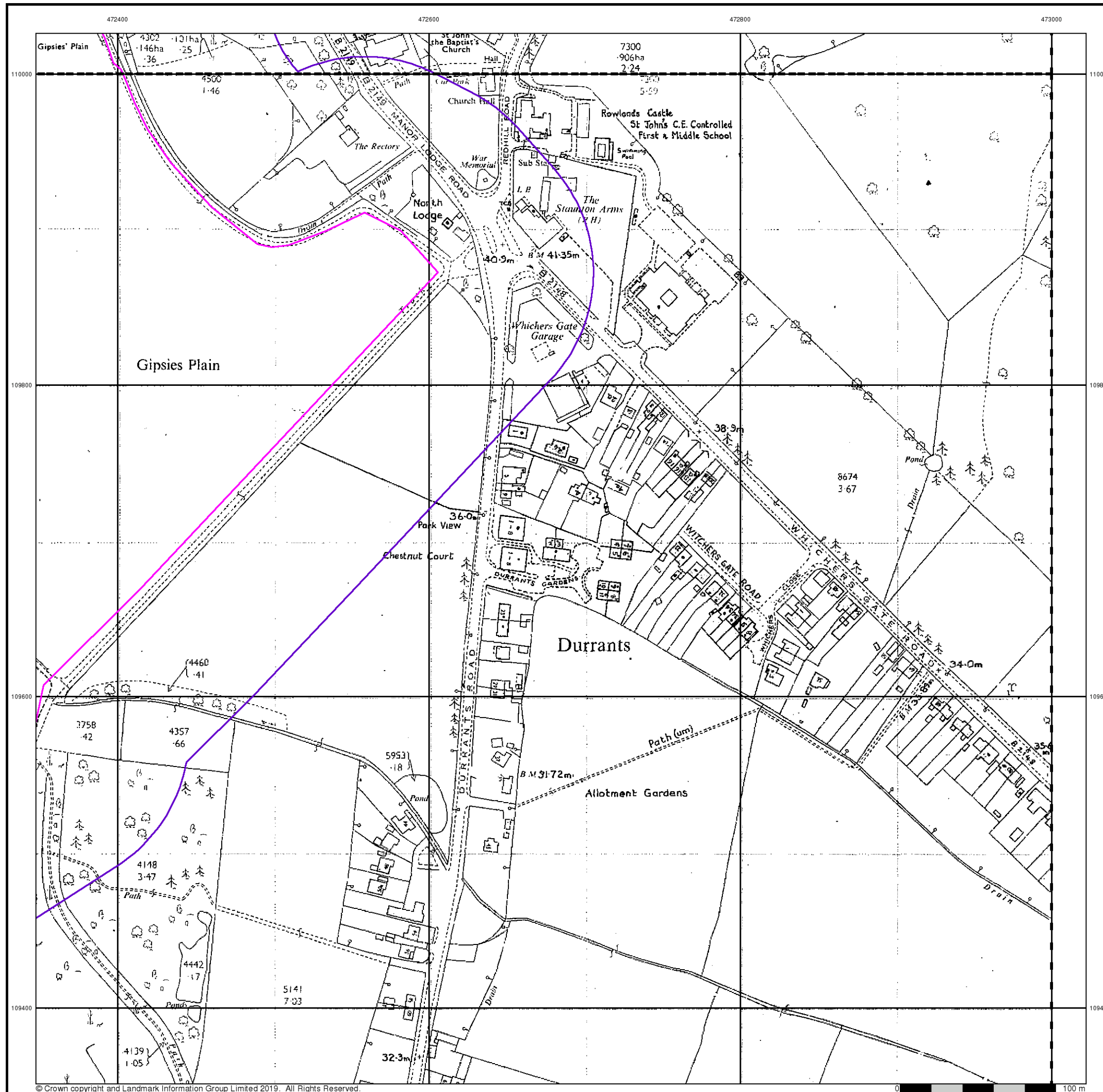
Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 100

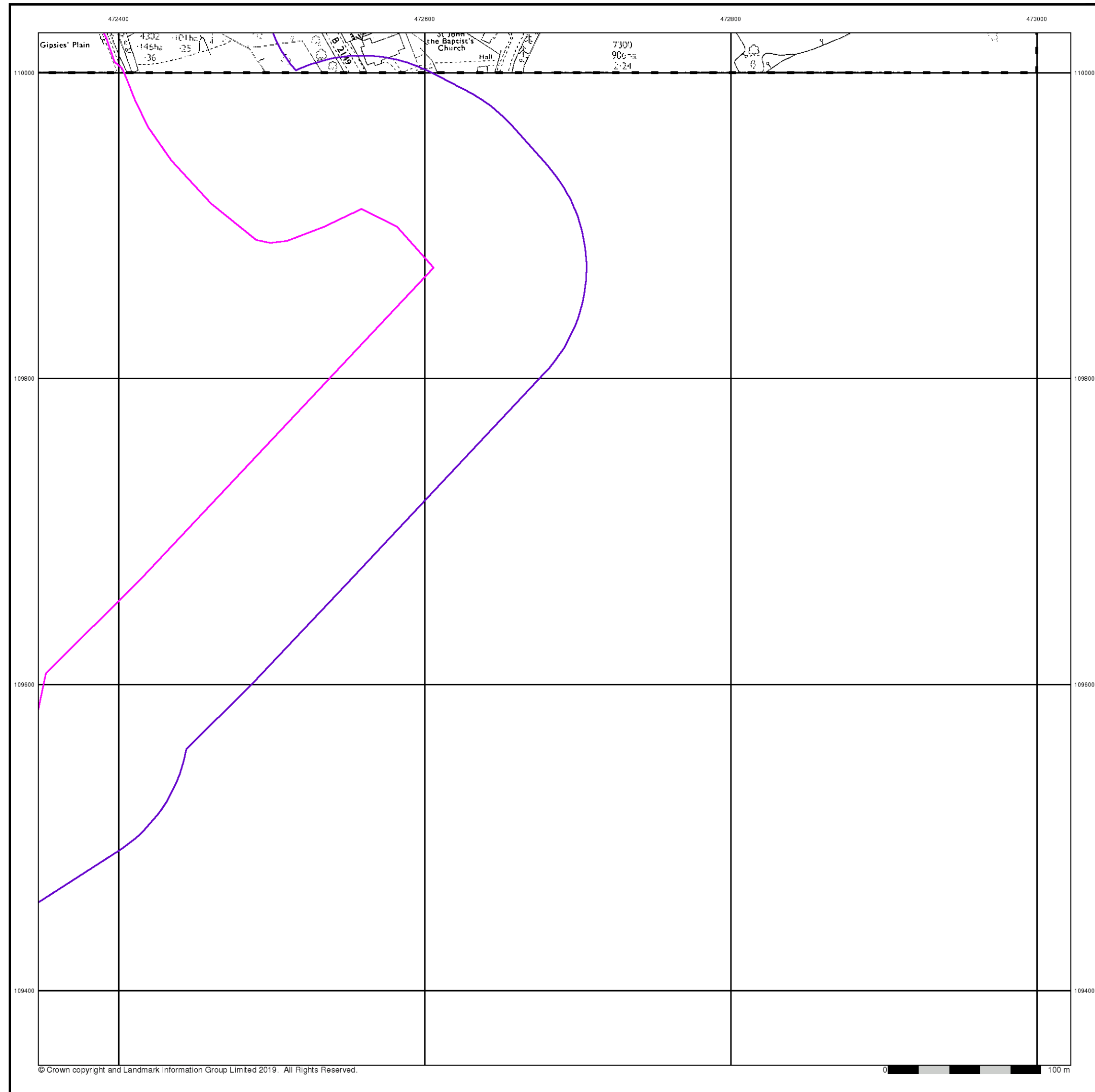
Site Details

Site at 472000, 110000

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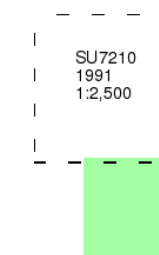
Additional SIMs

Published 1991

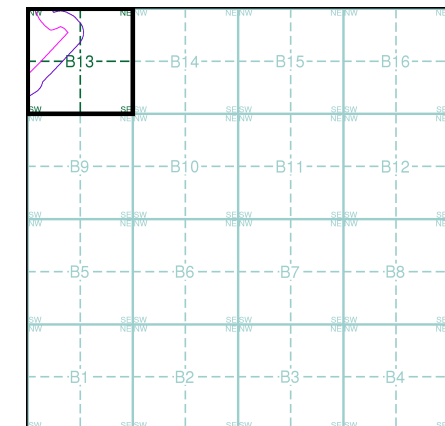
Source map scale - 1:2,500

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 B13



Order Details

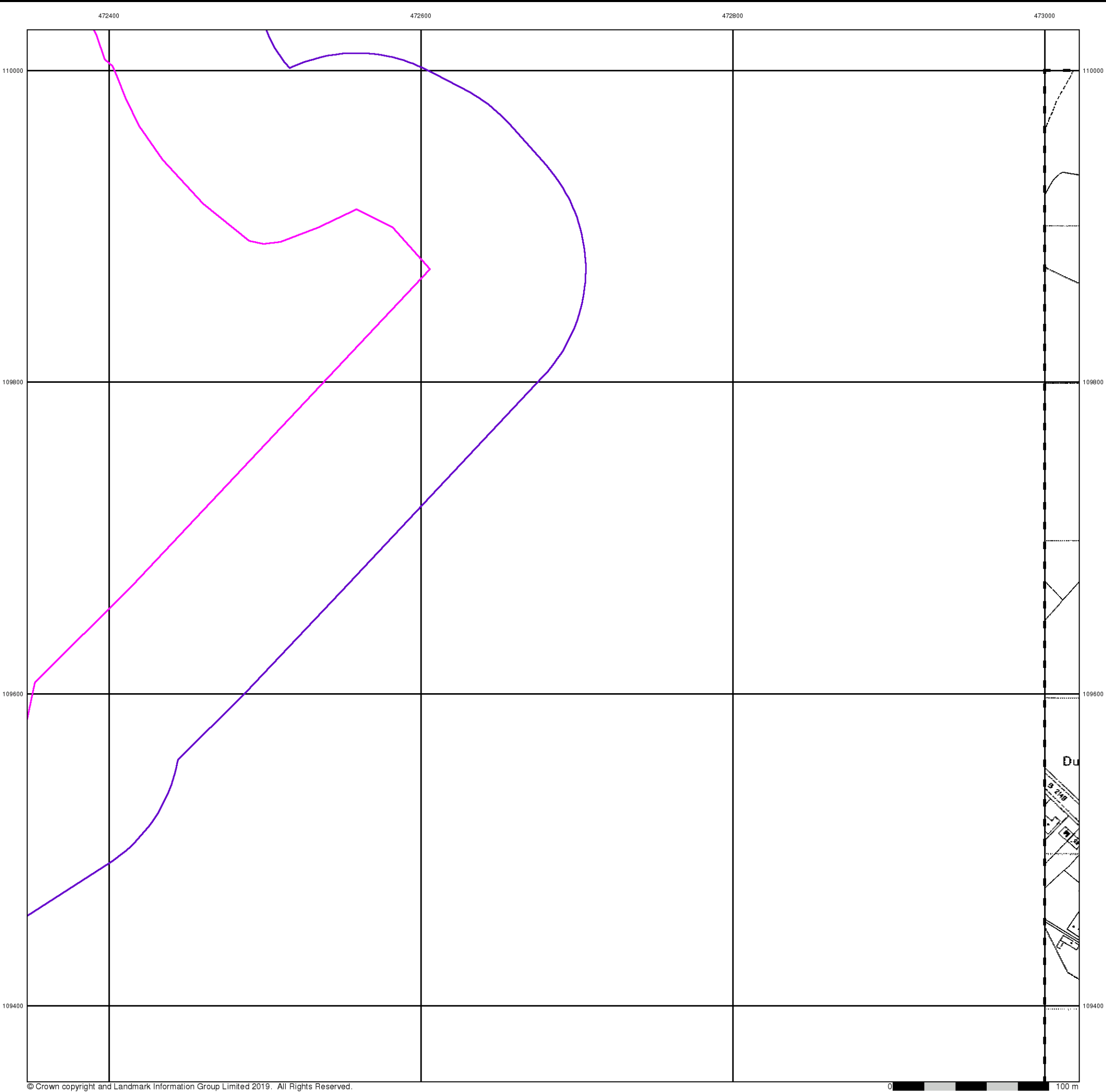
Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 100

Site Details

Site at 472000, 110000

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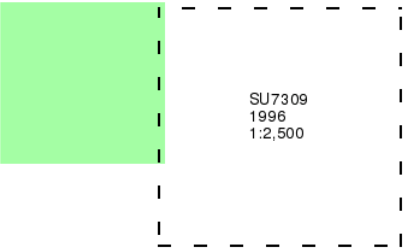
Large-Scale National Grid Data

Published 1996

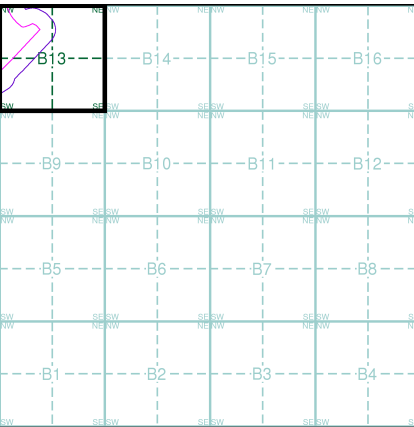
Source map scale - 1:2,500

'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 B13



Order Details

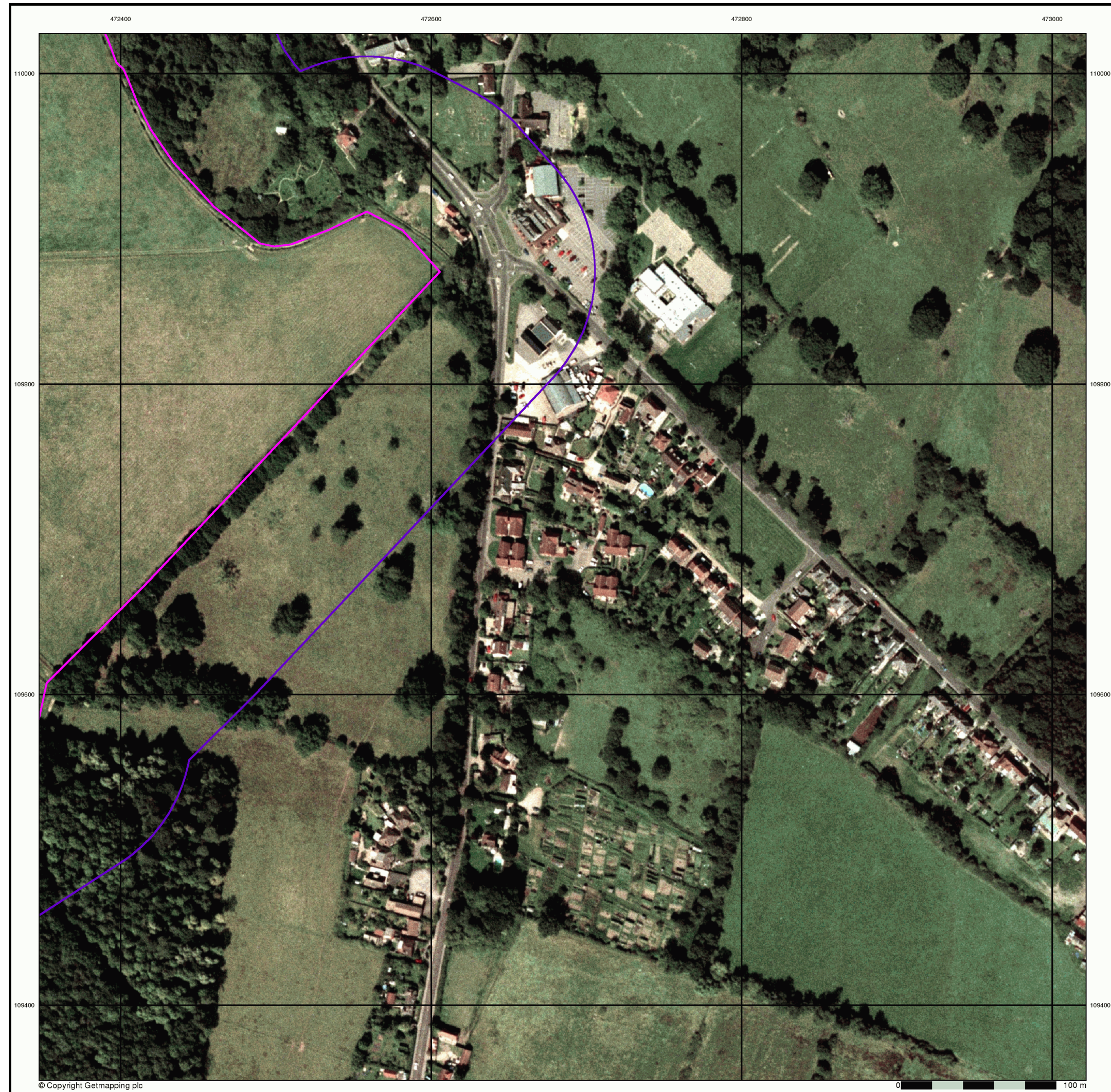
Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 100

Site Details

Site at 472000, 110000



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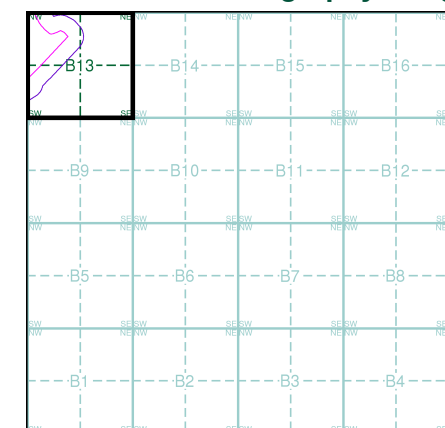


Historical Aerial Photography

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 B13



Order Details

Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472870, 109400
Slice: B
Site Area (Ha): 172.43
Search Buffer (m): 100

Site Details

Site at 472000, 110000



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Geology 1:10,000 Maps Legends

Artificial Ground and Landslip

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

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	SUPNM	Superficial Theme Not Mapped [For Digital Map Use Only]	Unknown/Unclassified Entry	Not Supplied - Not Supplied
	HEAD	Head	Clay, Silt, Sand and Gravel	Quaternary - Ryazanian
	HEAD	Head	Gravel, Clayey [Unlithified Deposits Coding Scheme]	Quaternary - Ryazanian
	HEAD	Head	Diamicton	Quaternary - Ryazanian

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LC	London Clay Formation	Sand	Eocene - Eocene
	LC	London Clay Formation	Clay, Silt and Sand	Eocene - Eocene
	LMBE	Lambeth Group	Clay, Silt and Sand	Paleocene - Paleocene
	TACH	Tarrant Chalk Member	Chalk	Campanian - Campanian



Geology 1:10,000 Maps

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

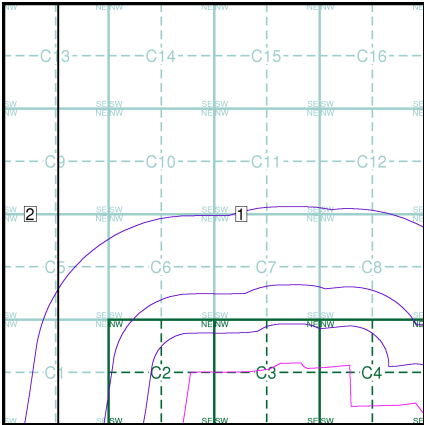
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page.

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

Geology 1:10,000 Maps Coverage

Map ID:	2	Map ID:	1
Map Name:	SU61SE	Map Name:	SU71SW
Map Date:	1996	Map Date:	1984
Bedrock Geology:	Available	Bedrock Geology:	Available
Superficial Geology:	Available	Superficial Geology:	Available
Artificial Geology:	Available	Artificial Geology:	Available
Faults:	Not Available	Faults:	Not Supplied
Landslip:	Not Available	Landslip:	Available
Rock Segments:	Not Available	Rock Segments:	Not Supplied

Geology 1:10,000 Maps - Slice C



Order Details

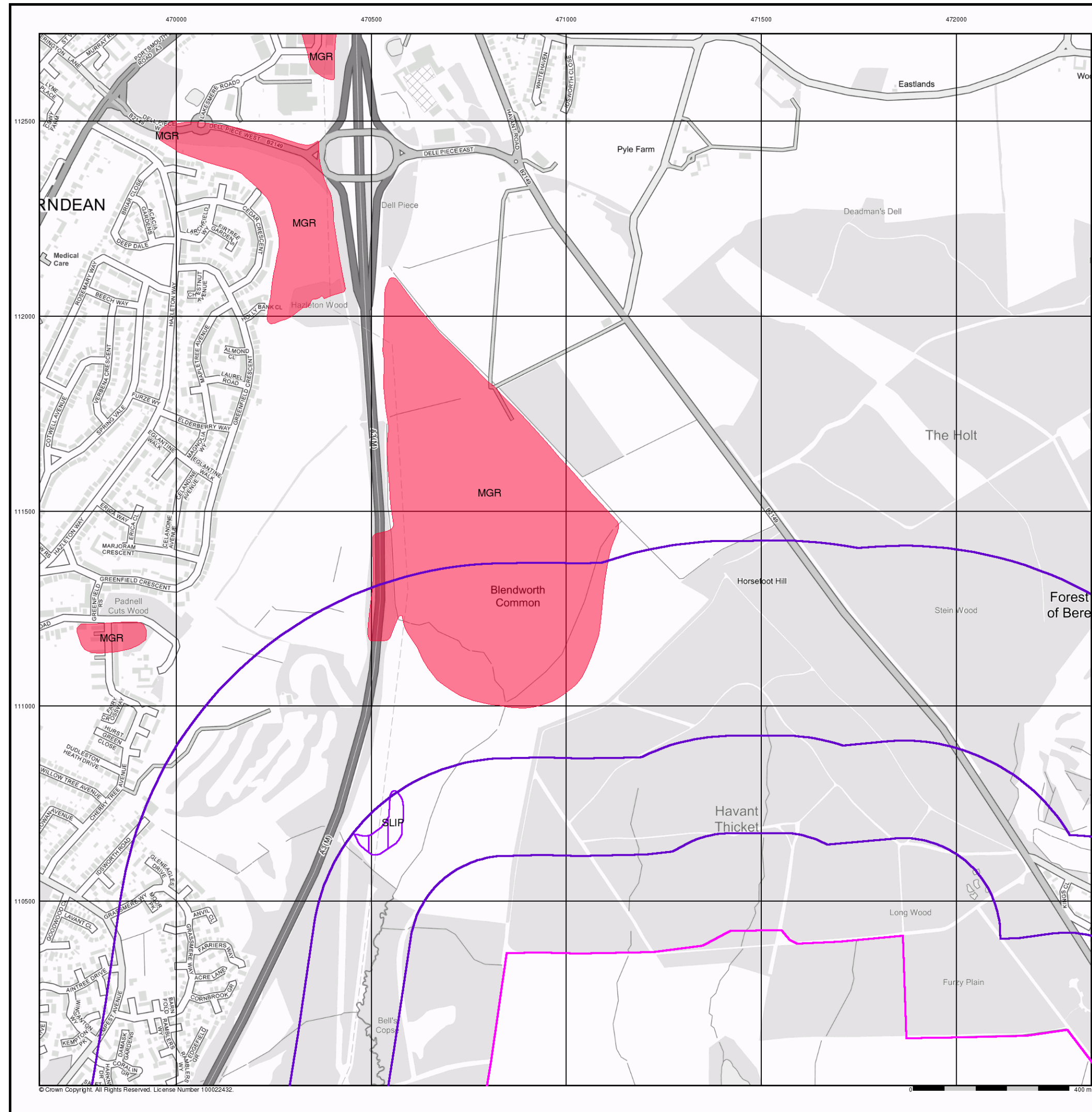
Order Number:	202069335_1_1
Customer Ref:	5169117
National Grid Reference:	471170, 110670
Slice:	C
Site Area (Ha):	172.43
Search Buffer (m):	1000

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Artificial Ground and Landslip

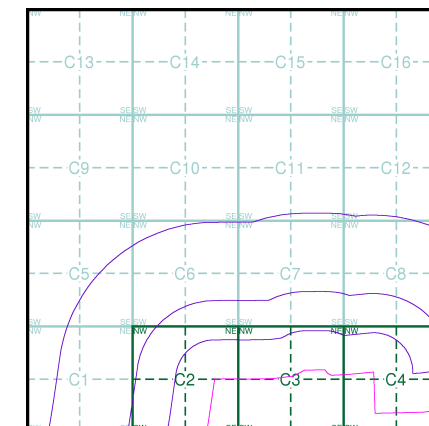
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial Ground and Landslip Map - Slice C



Order Details

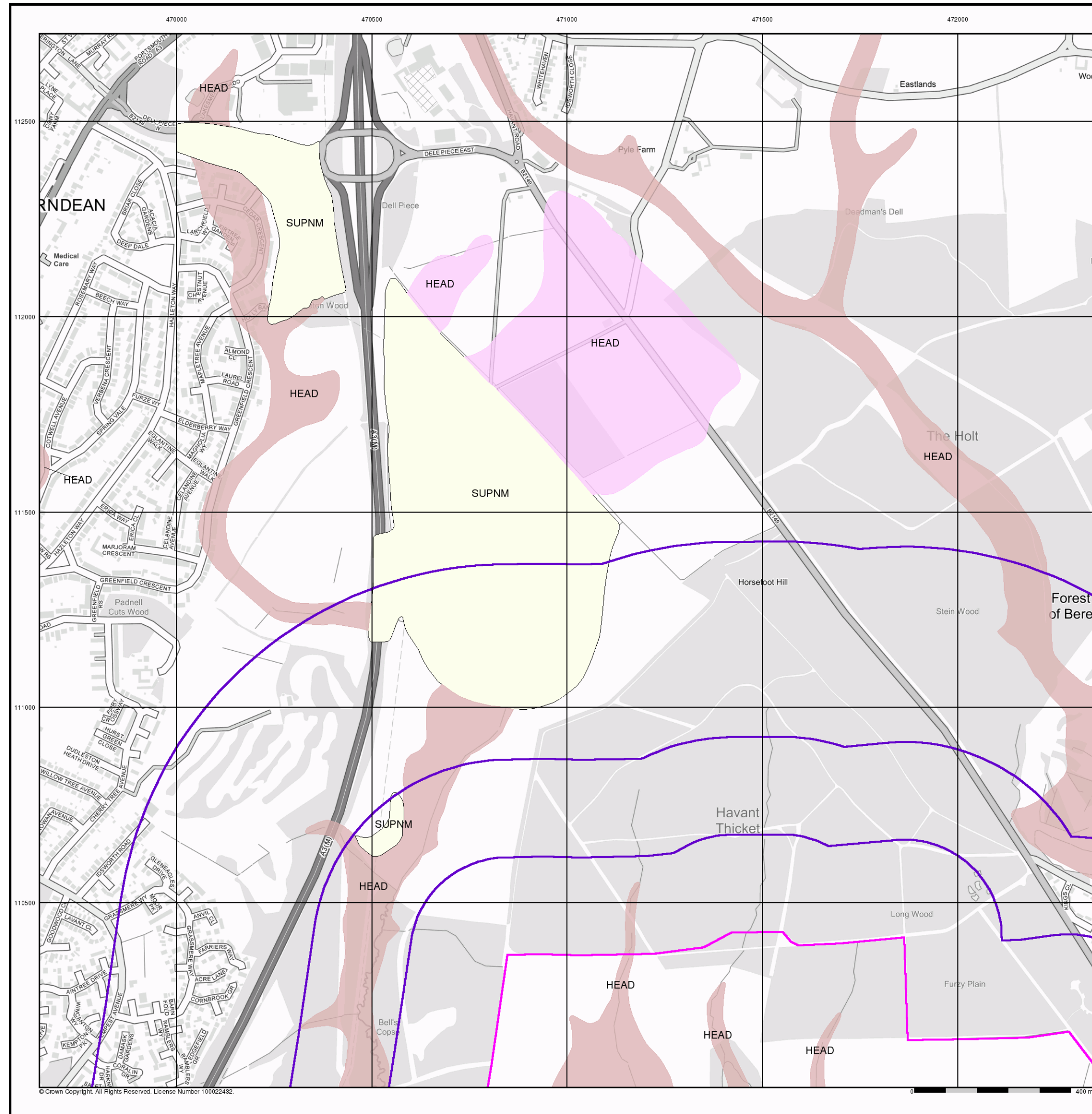
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Customer Ref: 5169117
National Grid Reference: 471170, 110670
Slice: C
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details

Site at 472000, 110000

Landmark
INFORMATION GROUP

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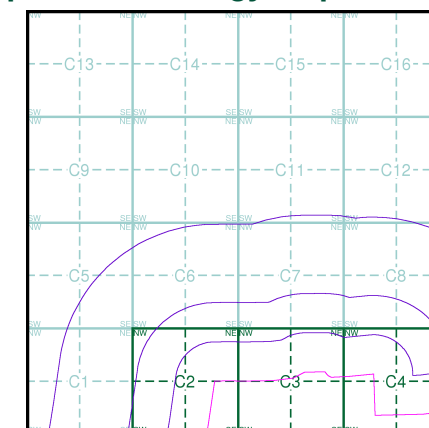
Superficial Geology

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

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

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

Superficial Geology Map - Slice C



Order Details

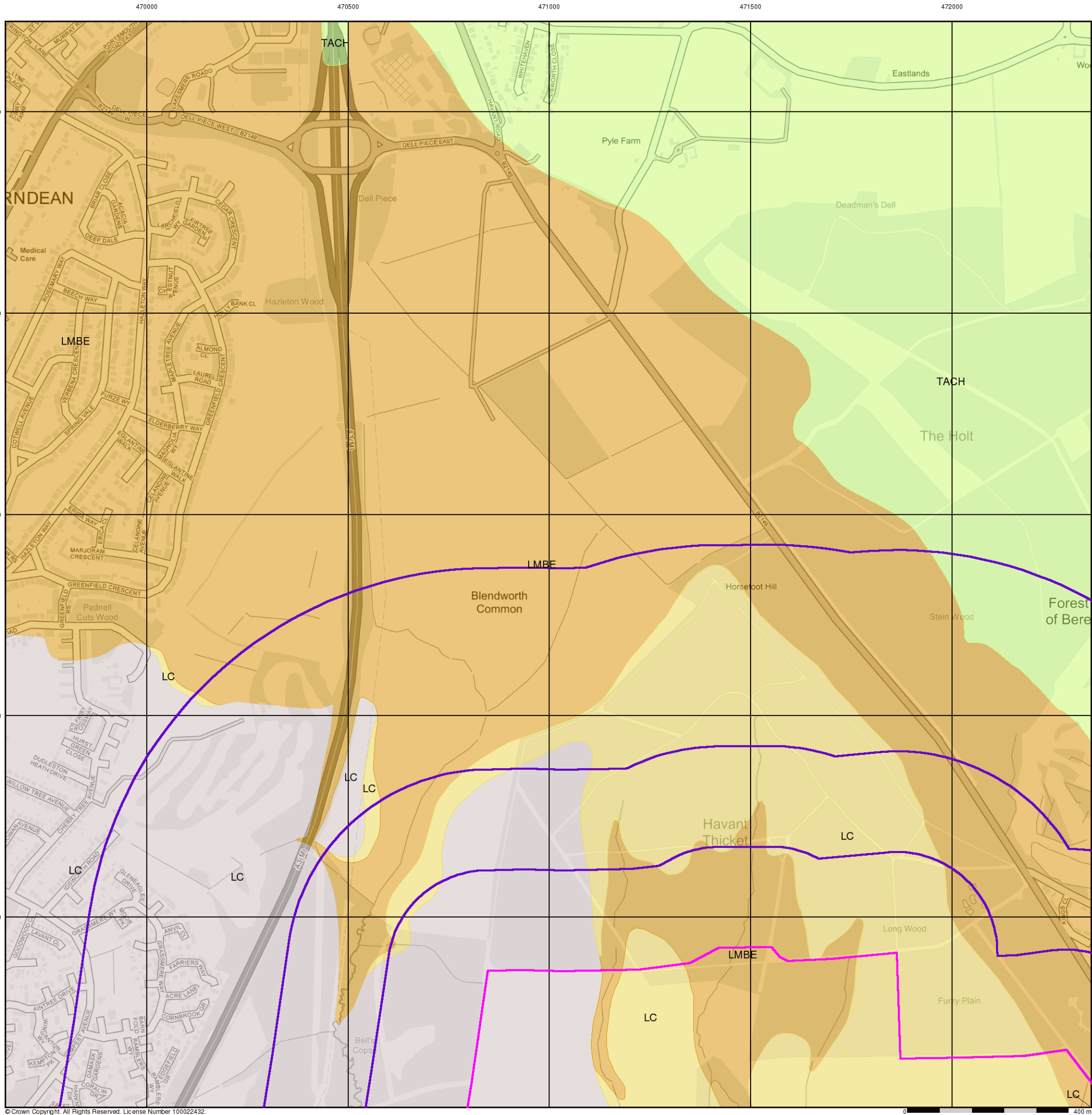
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Bedrock and Faults

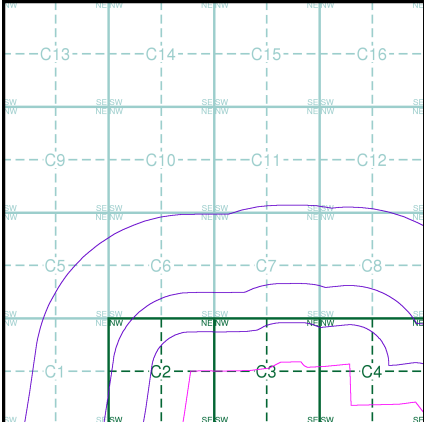
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

Bedrock and Faults Map - Slice C



Order Details

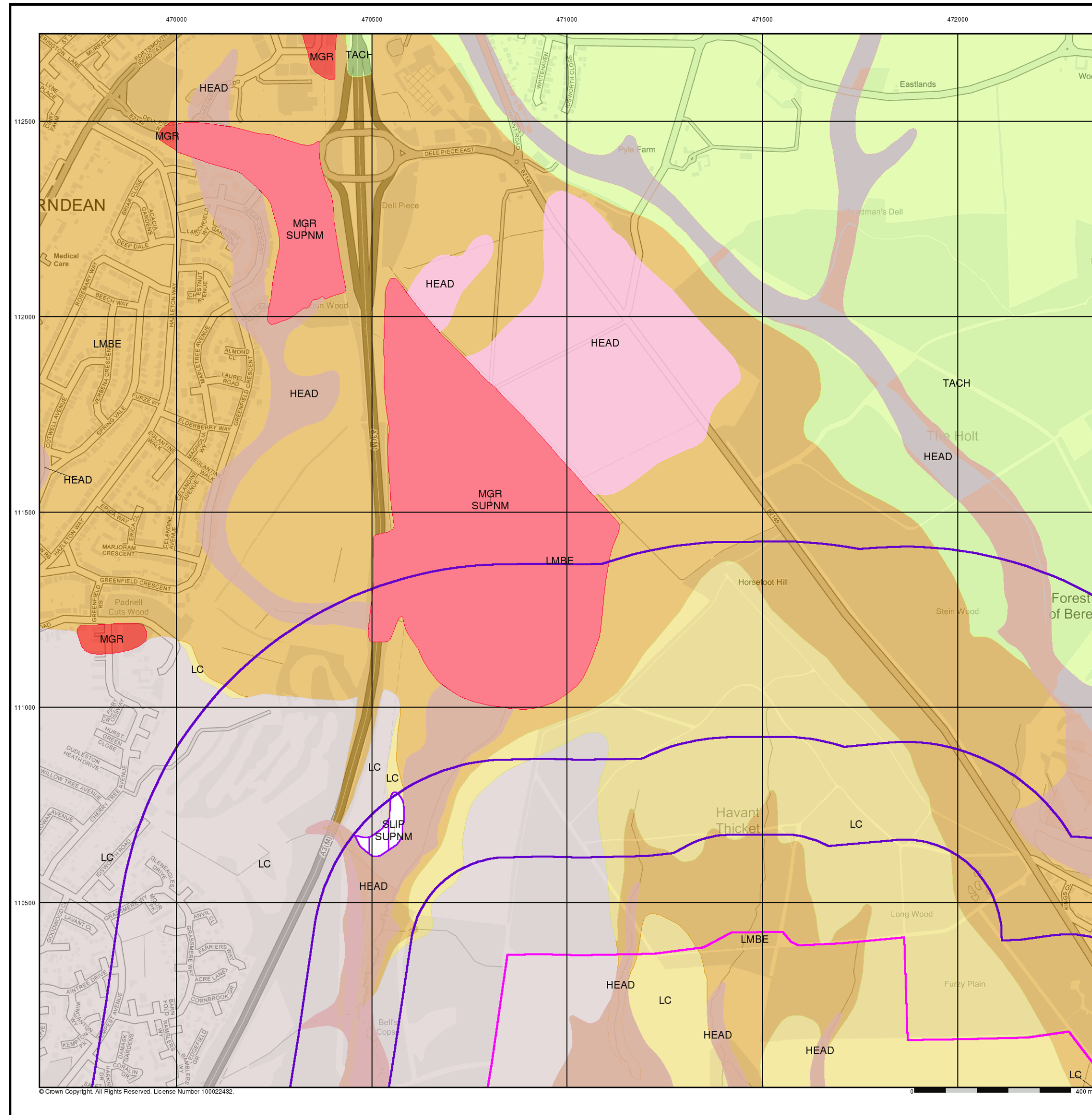
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Combined Surface Geology

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.

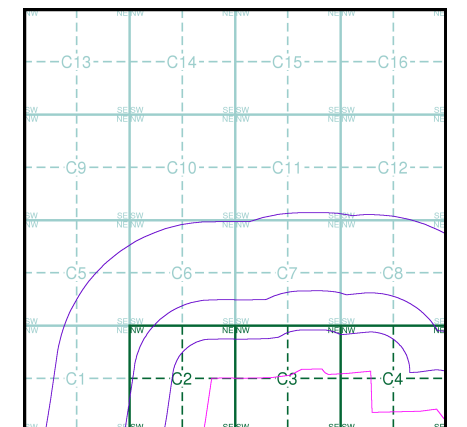
Additional Information

More information on 1:10,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

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

Combined Geology Map - Slice C



Order Details

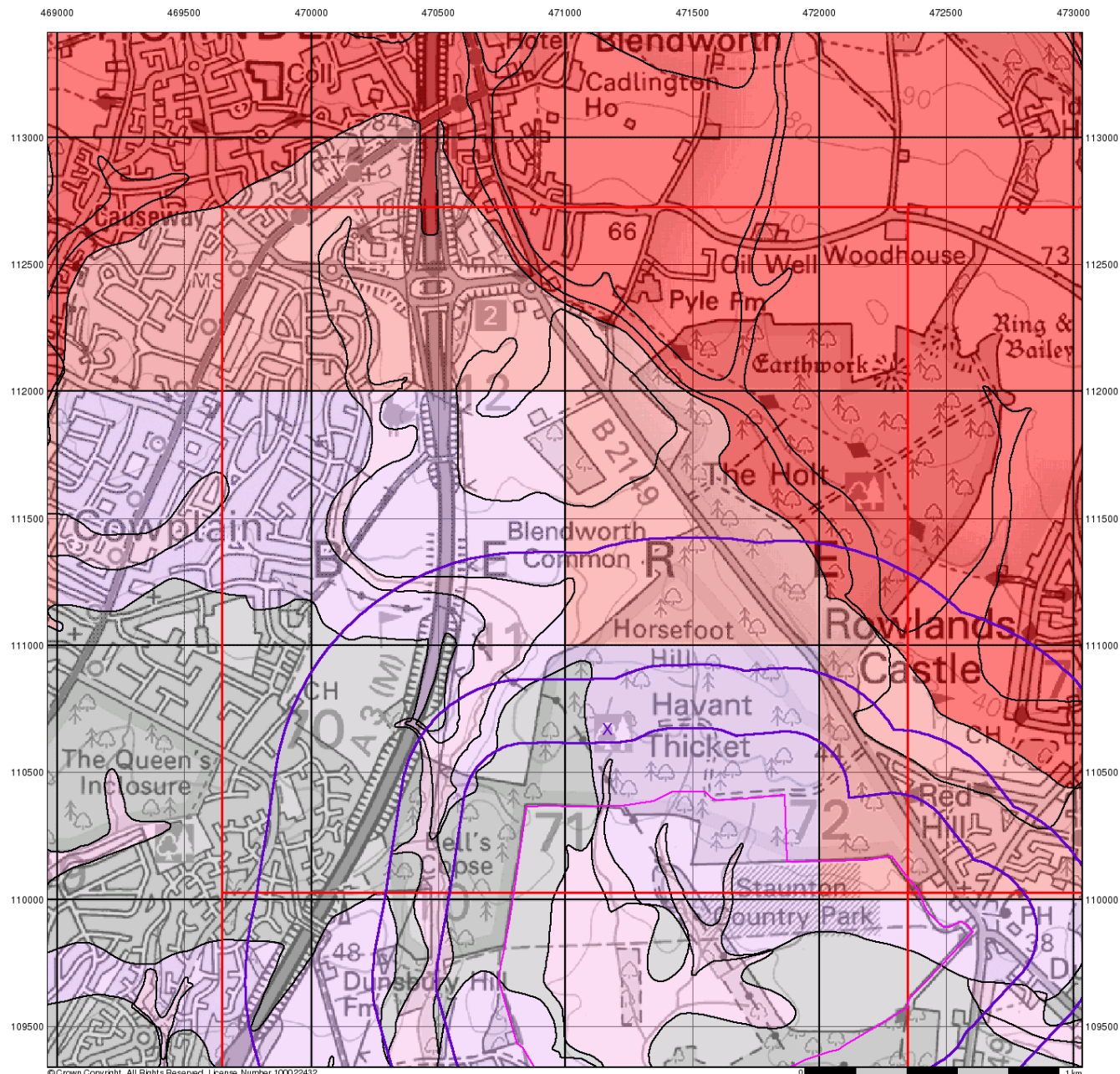
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Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

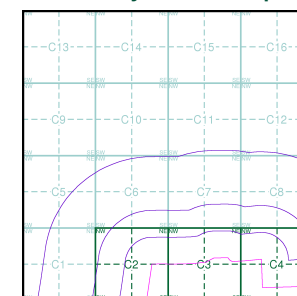
Superficial Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice C



Order Details

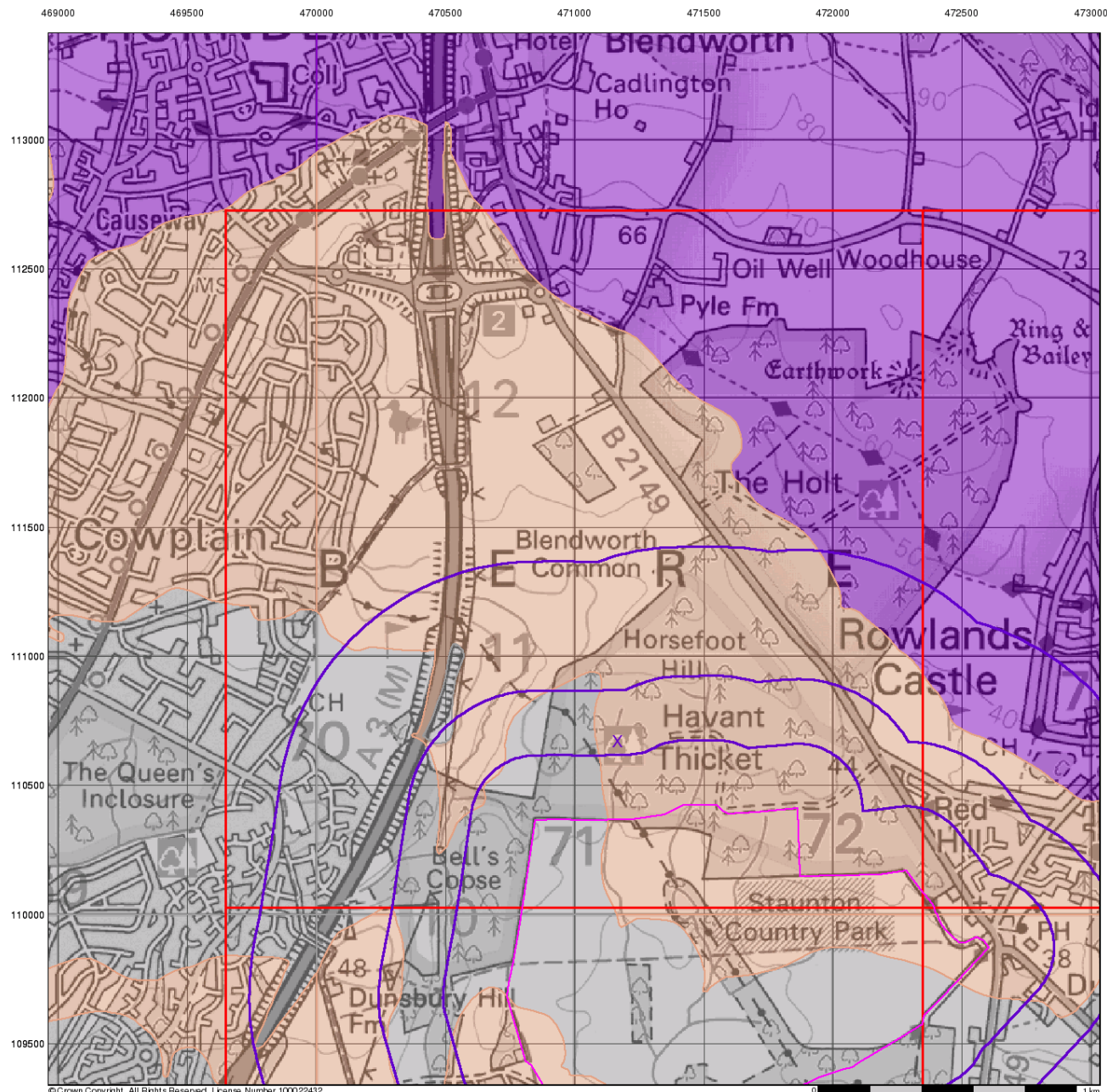
Order Number: 202069335_1_1
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Bedrock Aquifer Designation

General

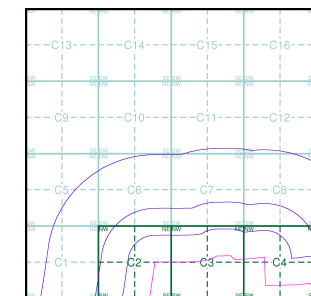
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice C



Order Details

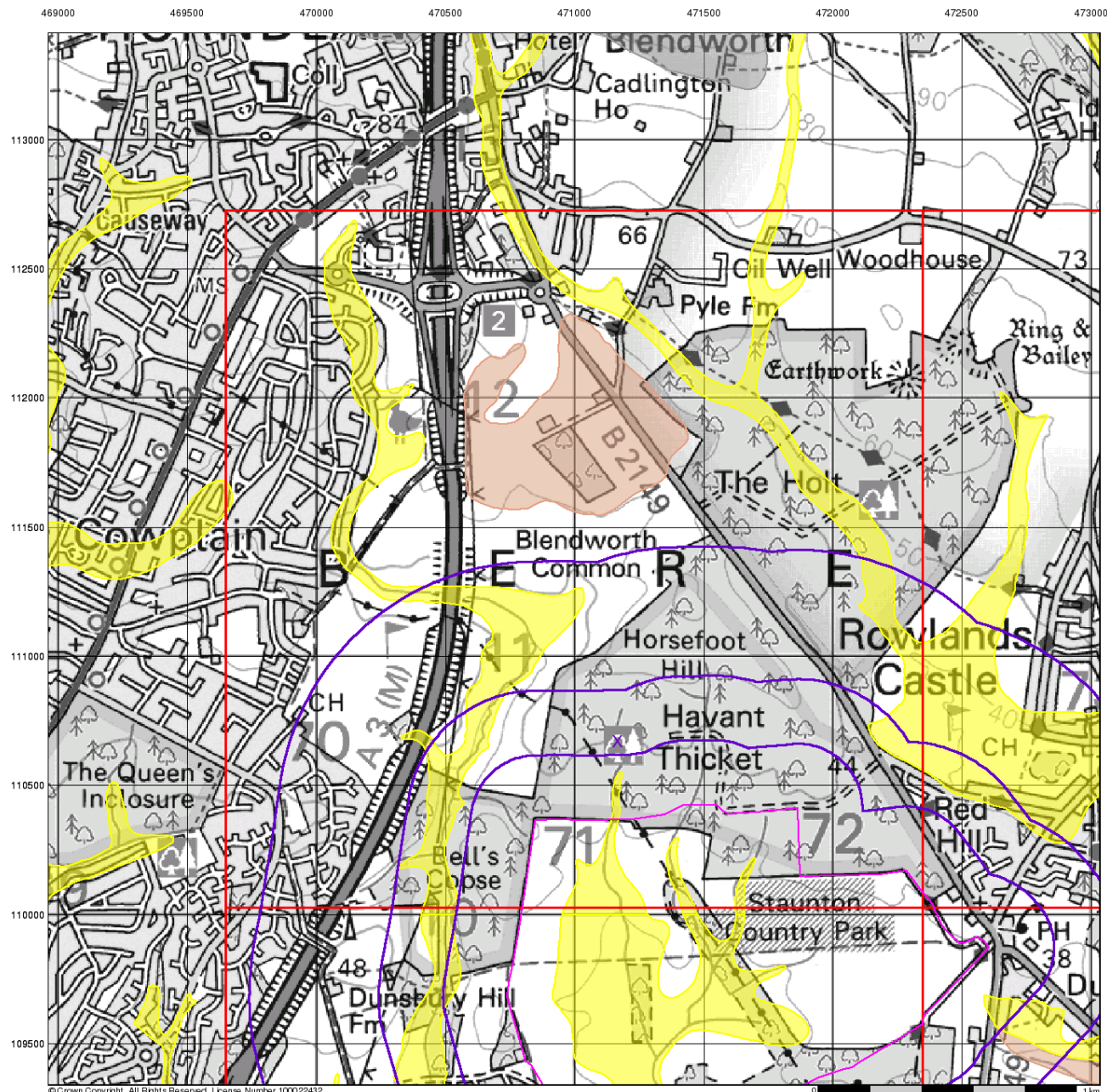
Order Number: 202069335_1_1
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Superficial Aquifer Designation

General

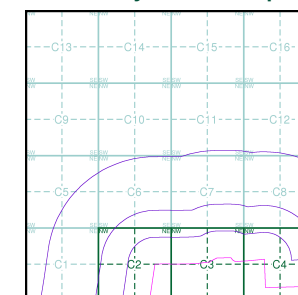
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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 C



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