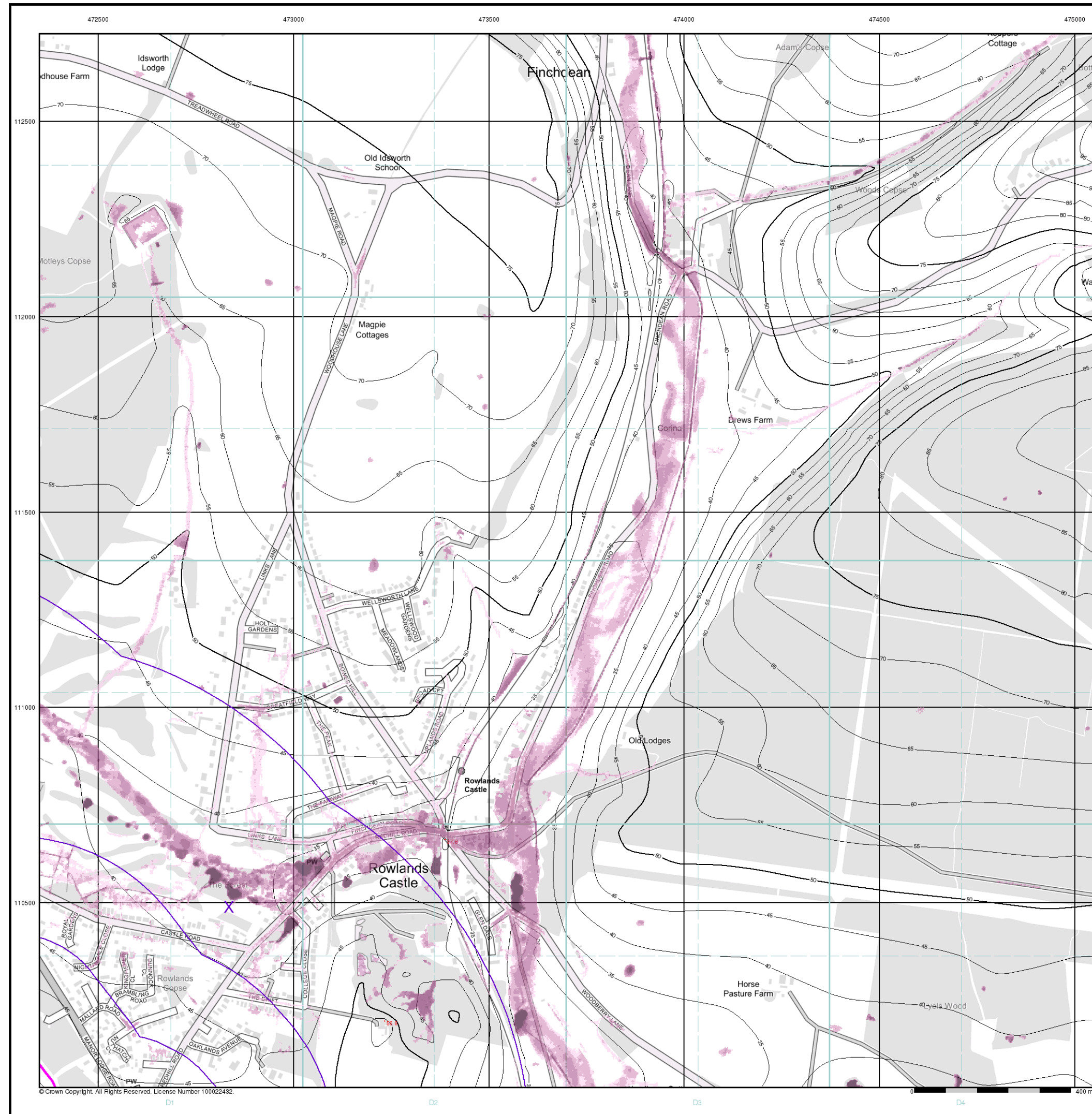




ATKINS

EA/NRW Surface Water 1000 Year Return Depth Map (1:10,000)

General
Specified Site Specified Buffer(s) Bearing Reference Point

Surface Water Depth

0 - 0.15m
0.15 - 0.30m
0.30 - 0.60m
0.60 - 0.90m
0.90 - 1.20m
> 1.20m

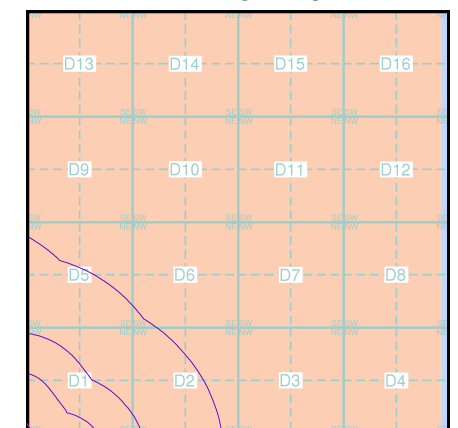
Contours (height in metres)

Standard Contour
Master Contour
Spot Height
MLW Mean Low Water
MHW Mean High Water
*167.8

Suitability

See the suitability map below
National to county
County to town
Town to street
Street to parcels of land
Property

EA/NRW Suitability Map - Slice D



Order Details

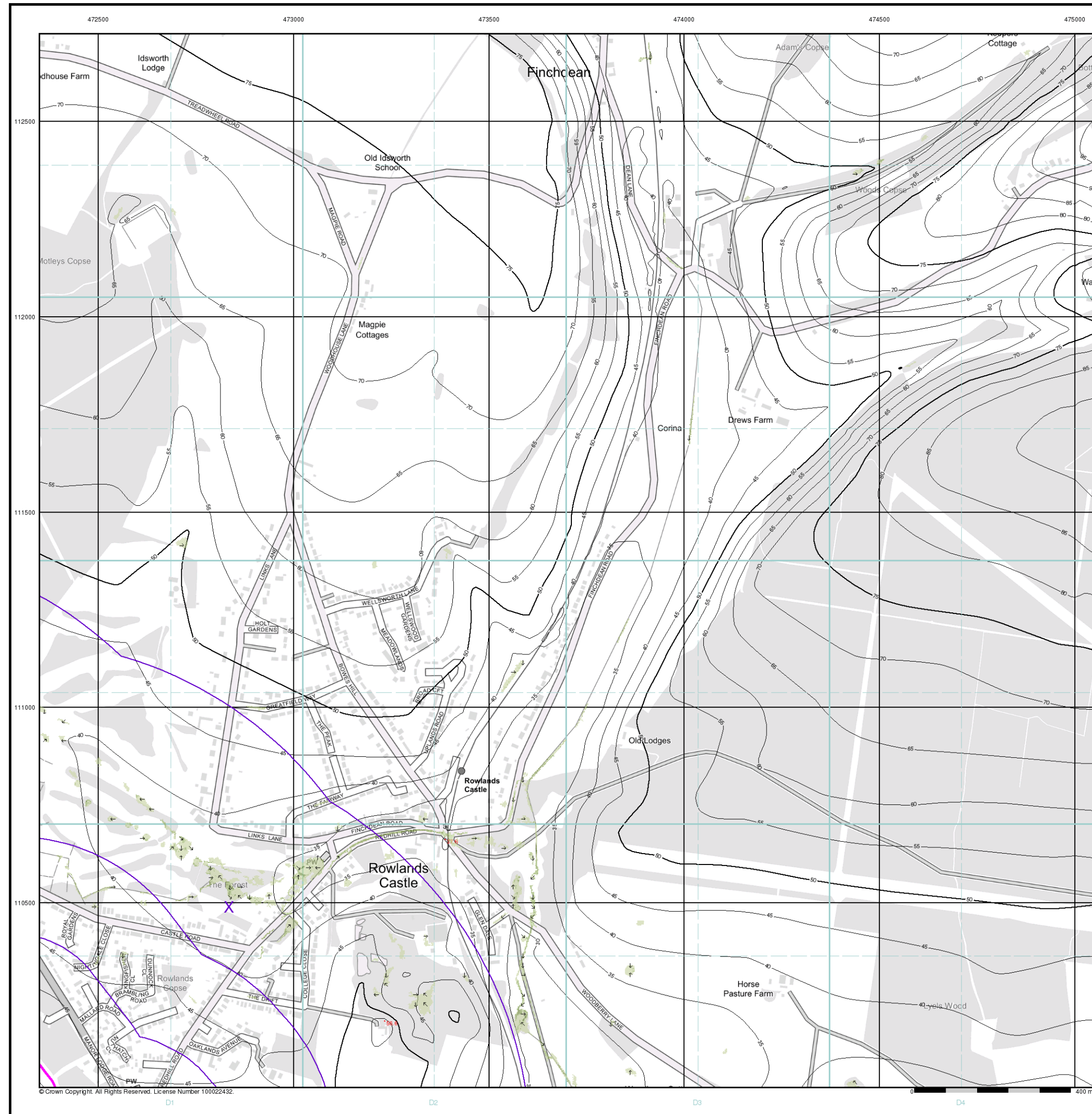
Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472830, 110490
Slice: D
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details

Site at 472000, 110000

Landmark
INFORMATION GROUP

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



ATKINS

EA/NRW Surface Water 30 Year Return Velocity and Flow Direction Map (1:10,000)

General

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

Surface Water Velocity and Direction

- 0.00 - 0.25m/s
- 0.25 - 0.50m/s
- 0.50 - 1.00m/s
- 1.00 - 2.00m/s
- > 2.00m/s

Flow Direction at maximum velocity

Contours (height in metres)

Standard Contour

Master Contour

Spot Height

MLW Mean Low Water

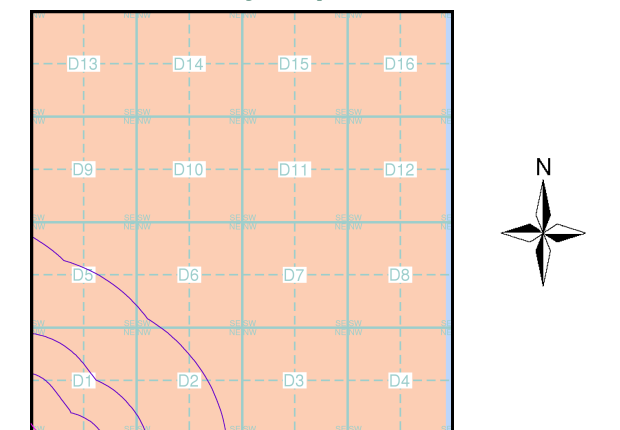
MHW Mean High Water

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

EA/NRW Suitability Map - Slice D



Order Details

Order Number: 202069335_1_1

Customer Ref: 5169117

National Grid Reference: 472830, 110490

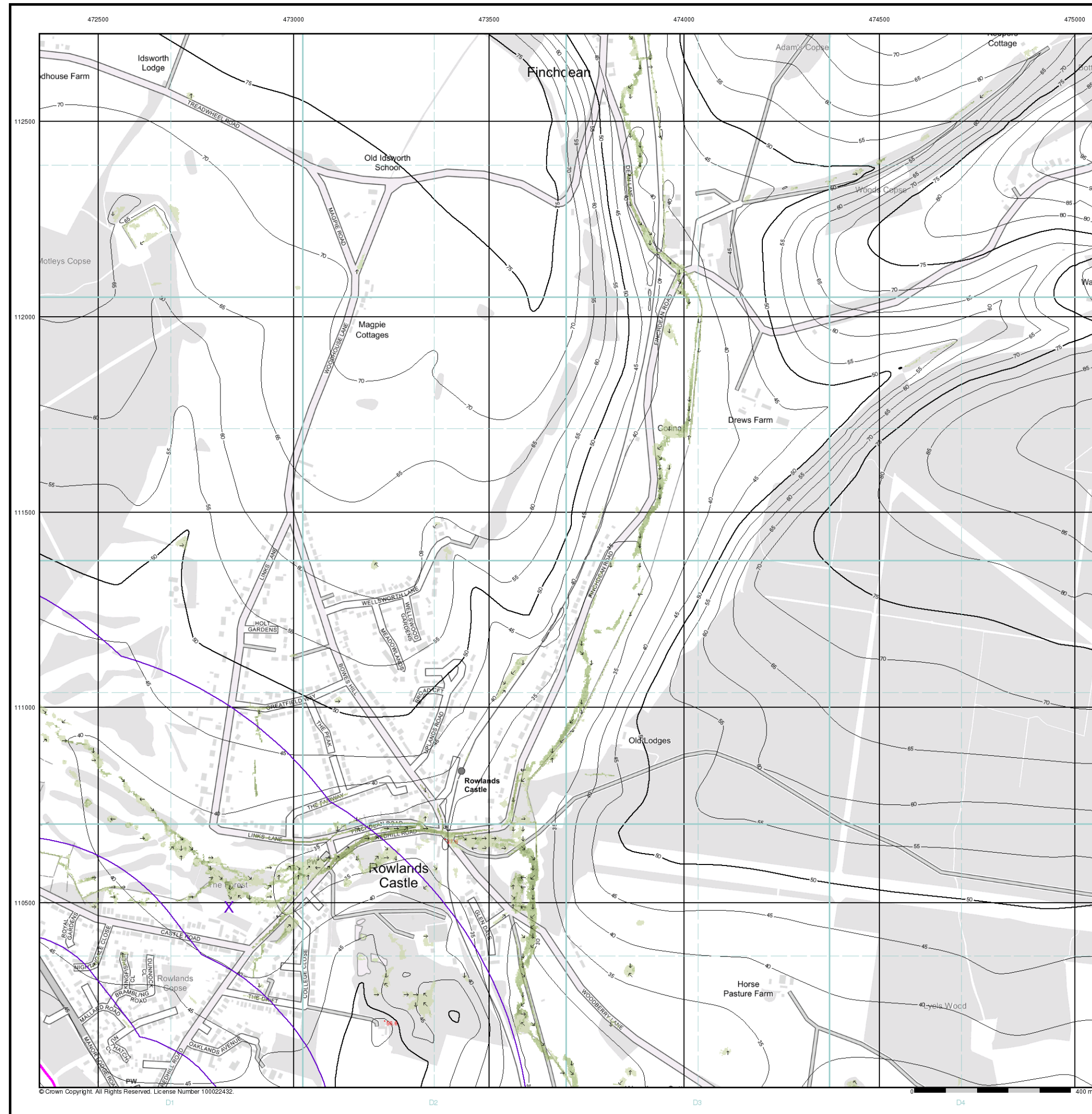
Slice: D

Site Area (Ha): 172.43

Search Buffer (m): 1000

Site Details

Site at 472000, 110000



ATKINS

EA/NRW Surface Water 100 Year Return Velocity and Flow Direction Map (1:10,000)

General

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

Surface Water Velocity and Direction

- 0.00 - 0.25m/s
- 0.25 - 0.50m/s
- 0.50 - 1.00m/s
- 1.00 - 2.00m/s
- > 2.00m/s

Flow Direction at maximum velocity

Contours (height in metres)

- Standard Contour
- Master Contour
- Spot Height

MLW Mean Low Water

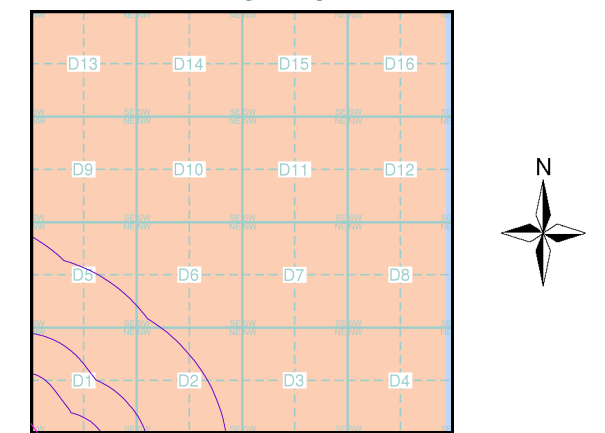
MHW Mean High Water

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

EA/NRW Suitability Map - Slice D



Order Details

Order Number: 202069335_1_1
Customer Ref: 5169117
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ATKINS

EA/NRW Surface Water 1000 Year Return Velocity and Flow Direction Map (1:10,000)

General

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

Surface Water Velocity and Direction

- 0.00 - 0.25m/s
- 0.25 - 0.50m/s
- 0.50 - 1.00m/s
- 1.00 - 2.00m/s
- > 2.00m/s

Flow Direction at maximum velocity

Contours (height in metres)

- Standard Contour
- Master Contour
- Spot Height

MLW Mean Low Water

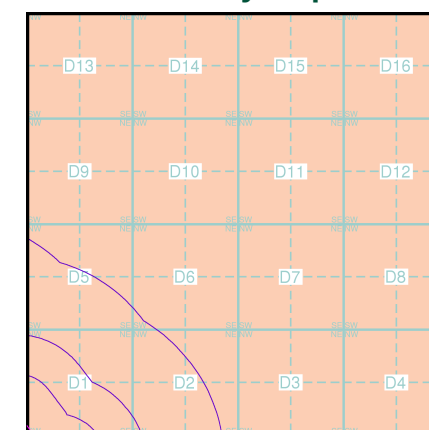
MHW Mean High Water

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

EA/NRW Suitability Map - Slice D



Order Details

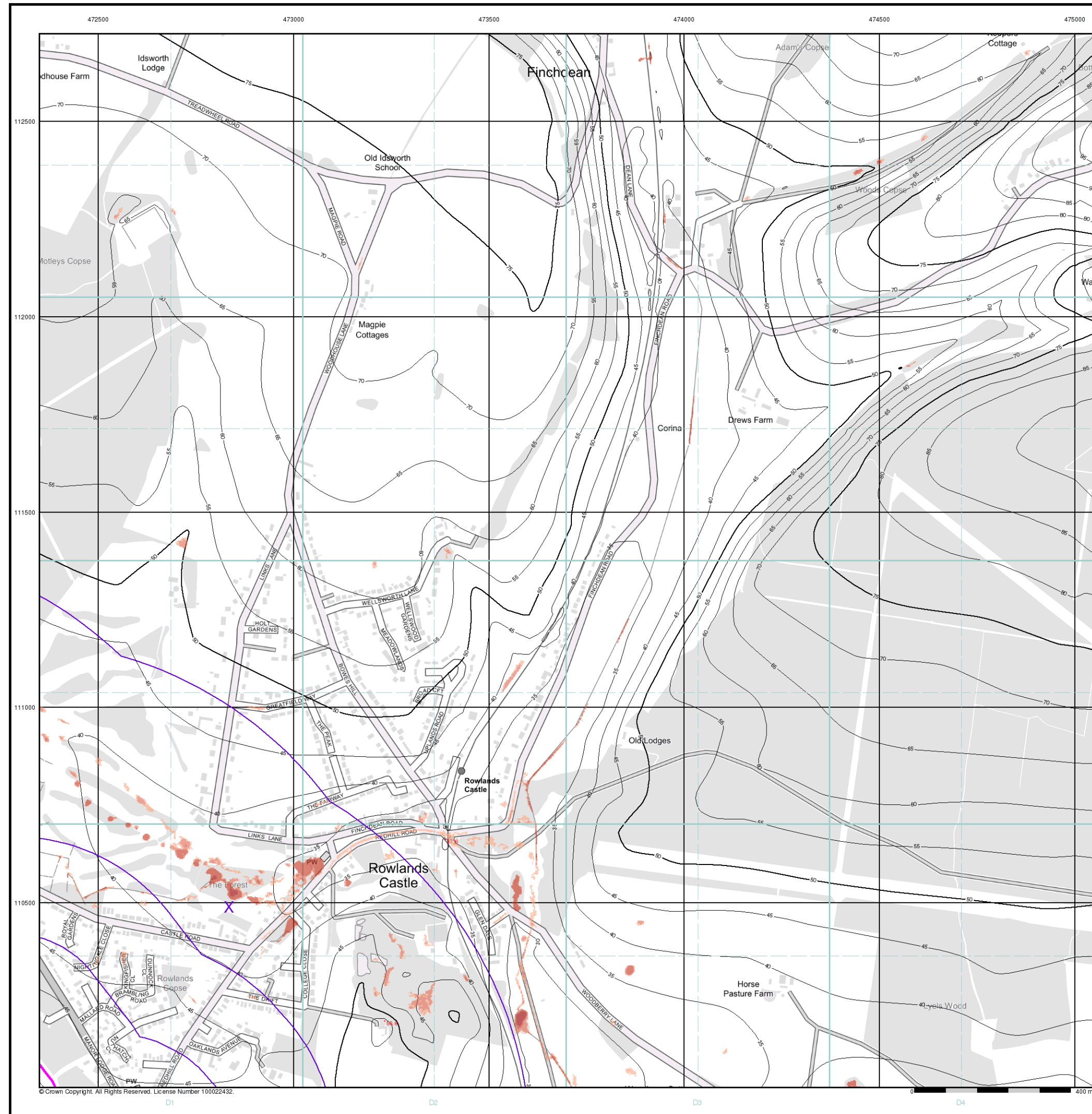
Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472830, 110490
Slice: D
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details

Site at 472000, 110000

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EA/NRW Surface Water 30 Year Return Hazard Rating Map (1:10,000)

General

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

Surface Water Hazard Rating

- Low (0.5 – 0.75)
- Moderate (0.75 – 1.25)
- Significant (1.25 – 2.0)
- Extreme (>2.0)

Contours (height in metres)

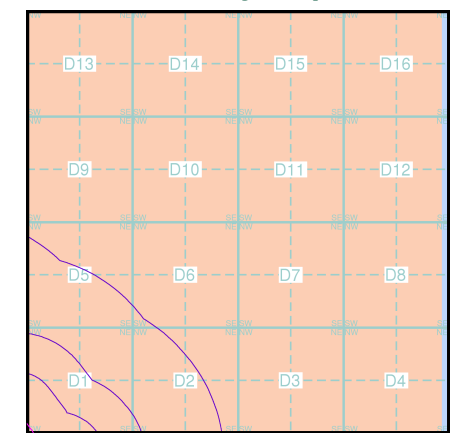
- Standard Contour
- Master Contour
- Spot Height

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

EA/NRW Suitability Map - Slice D

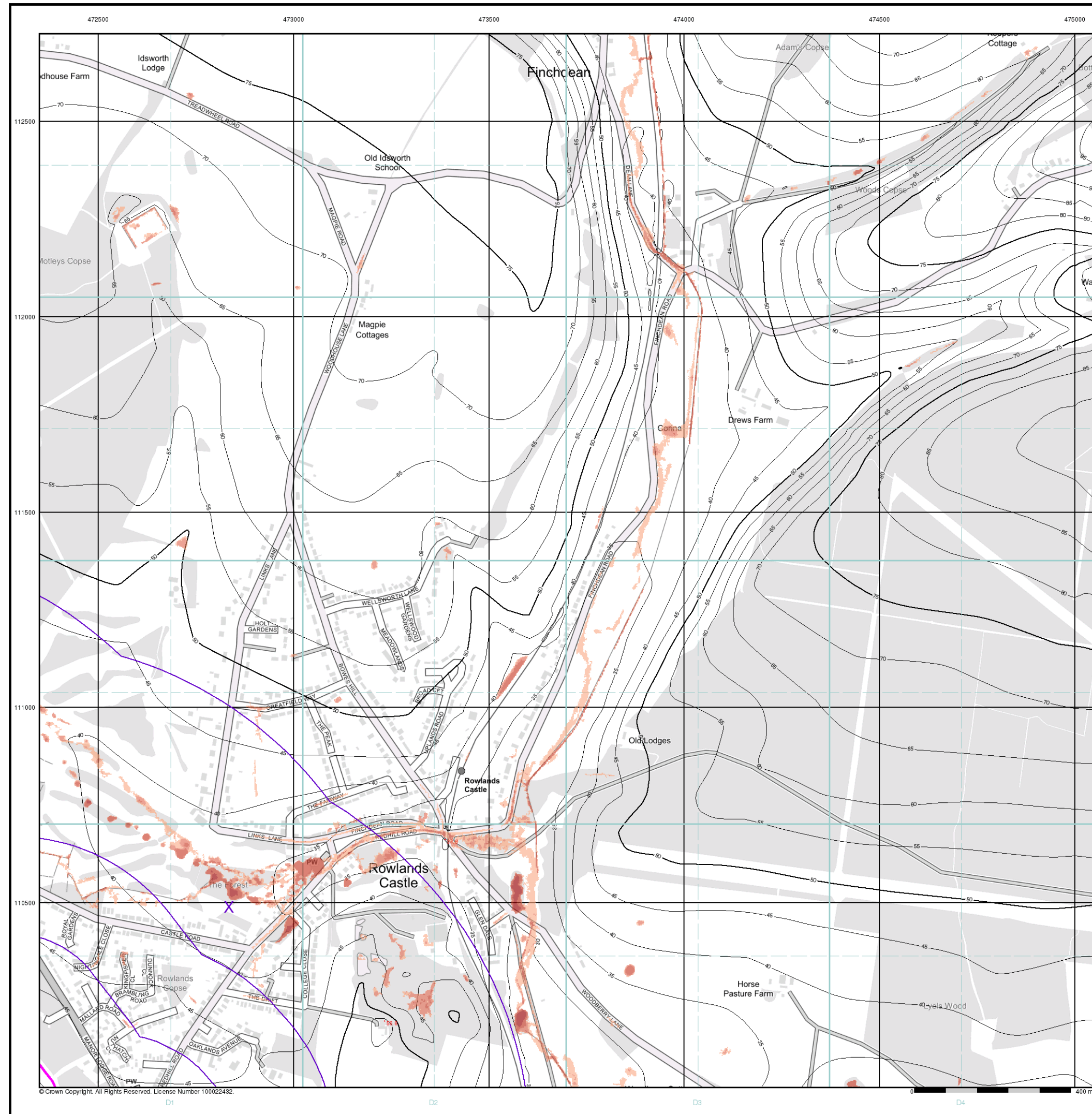


Order Details

Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472830, 110490
Slice: D
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details

Site at 472000, 110000



ATKINS

EA/NRW Surface Water 100 Year Return Hazard Rating Map (1:10,000)

General
Specified Site Specified Buffer(s) Bearing Reference Point

Surface Water Hazard Rating

- Low (0.5 – 0.75)
- Moderate (0.75 – 1.25)
- Significant (1.25 – 2.0)
- Extreme (>2.0)

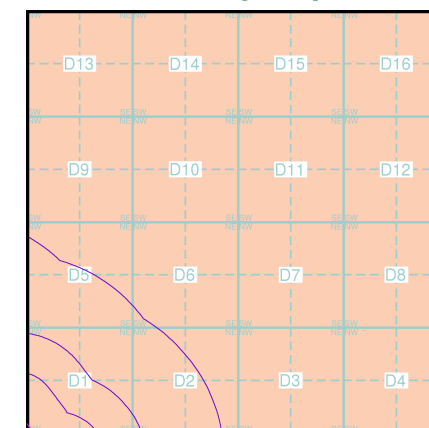
Contours (height in metres)

- Standard Contour Master Contour Spot Height
- MLW Mean Low Water
MHW Mean High Water
- *167.8

Suitability

- See the suitability map below
- National to county
 - County to town
 - Town to street
 - Street to parcels of land
 - Property

EA/NRW Suitability Map - Slice D



Order Details

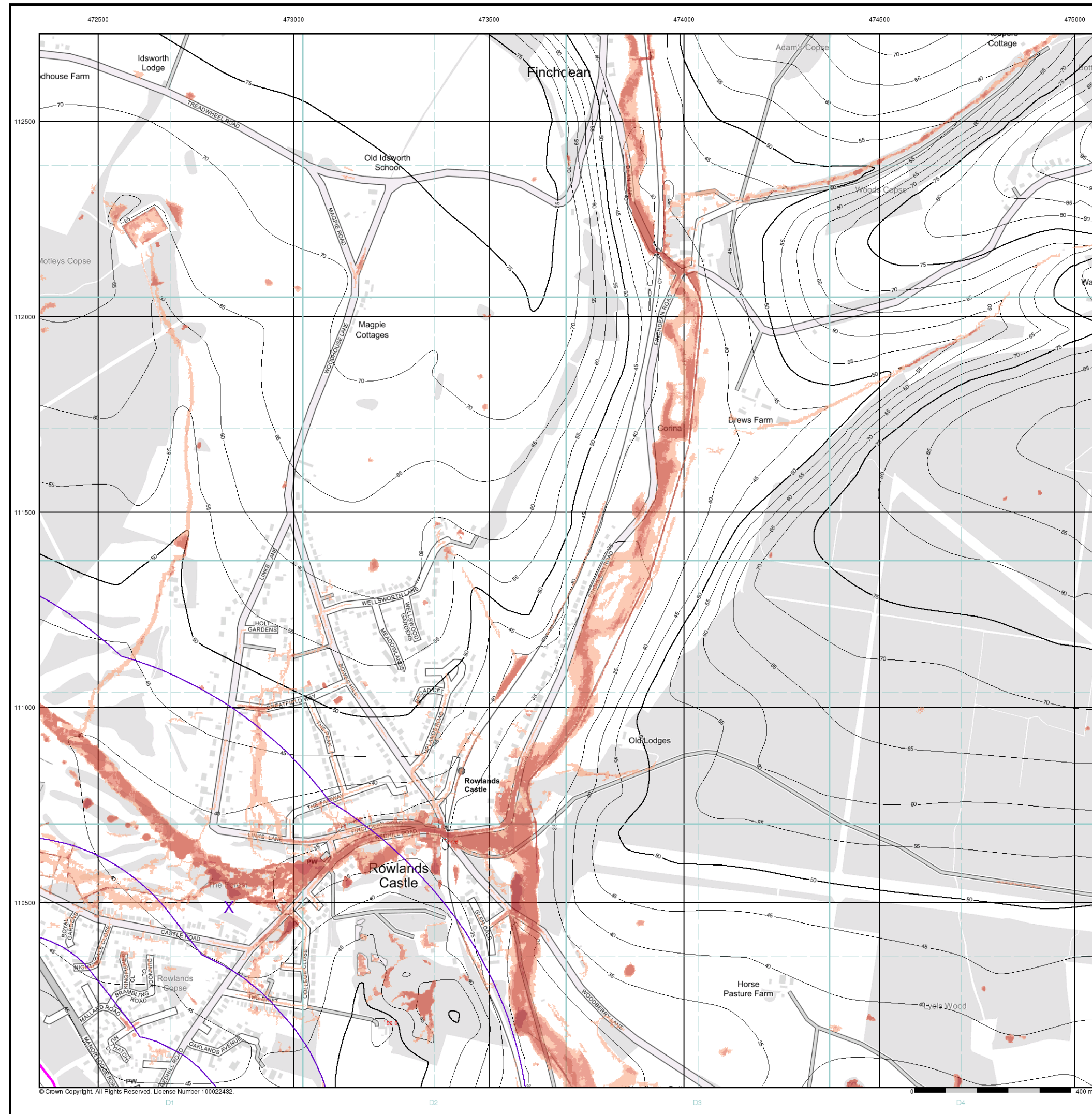
Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472830, 110490
Slice: D
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details

Site at 472000, 110000

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ATKINS

EA/NRW Surface Water 1000 Year Return Hazard Rating Map (1:10,000)

General
Specified Site Specified Buffer(s) Bearing Reference Point

Surface Water Hazard Rating

Low (0.5 – 0.75)
Moderate (0.75 – 1.25)
Significant (1.25 – 2.0)
Extreme (>2.0)

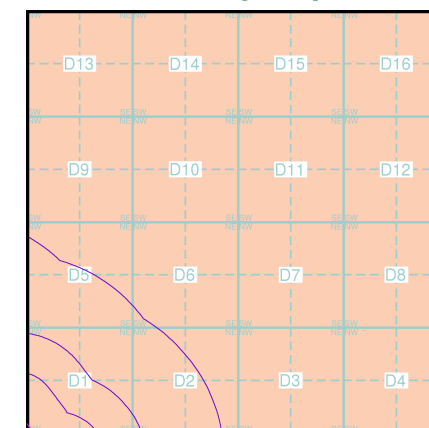
Contours (height in metres)

Standard Contour
Master Contour
Spot Height
MLW Mean Low Water
MHW Mean High Water
167.8

Suitability

See the suitability map below
National to county
County to town
Town to street
Street to parcels of land
Property

EA/NRW Suitability Map - Slice D



Order Details

Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472830, 110490
Slice: D
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details

Site at 472000, 110000

Landmark
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OS Water Network Lines Map (1:10,000)

General

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

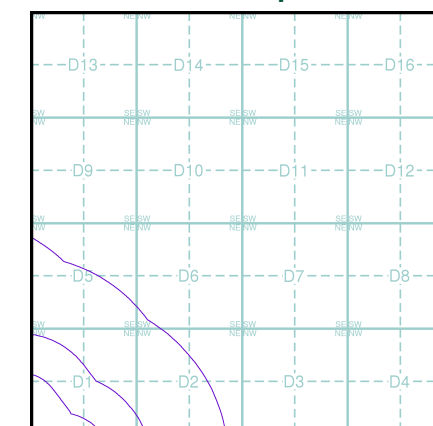
OS Water Network Data

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

Contours (height in meters)

- Standard Contour 105 100 95
- Master Contour 105 100 95
- Spot Height 167.3
- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice D

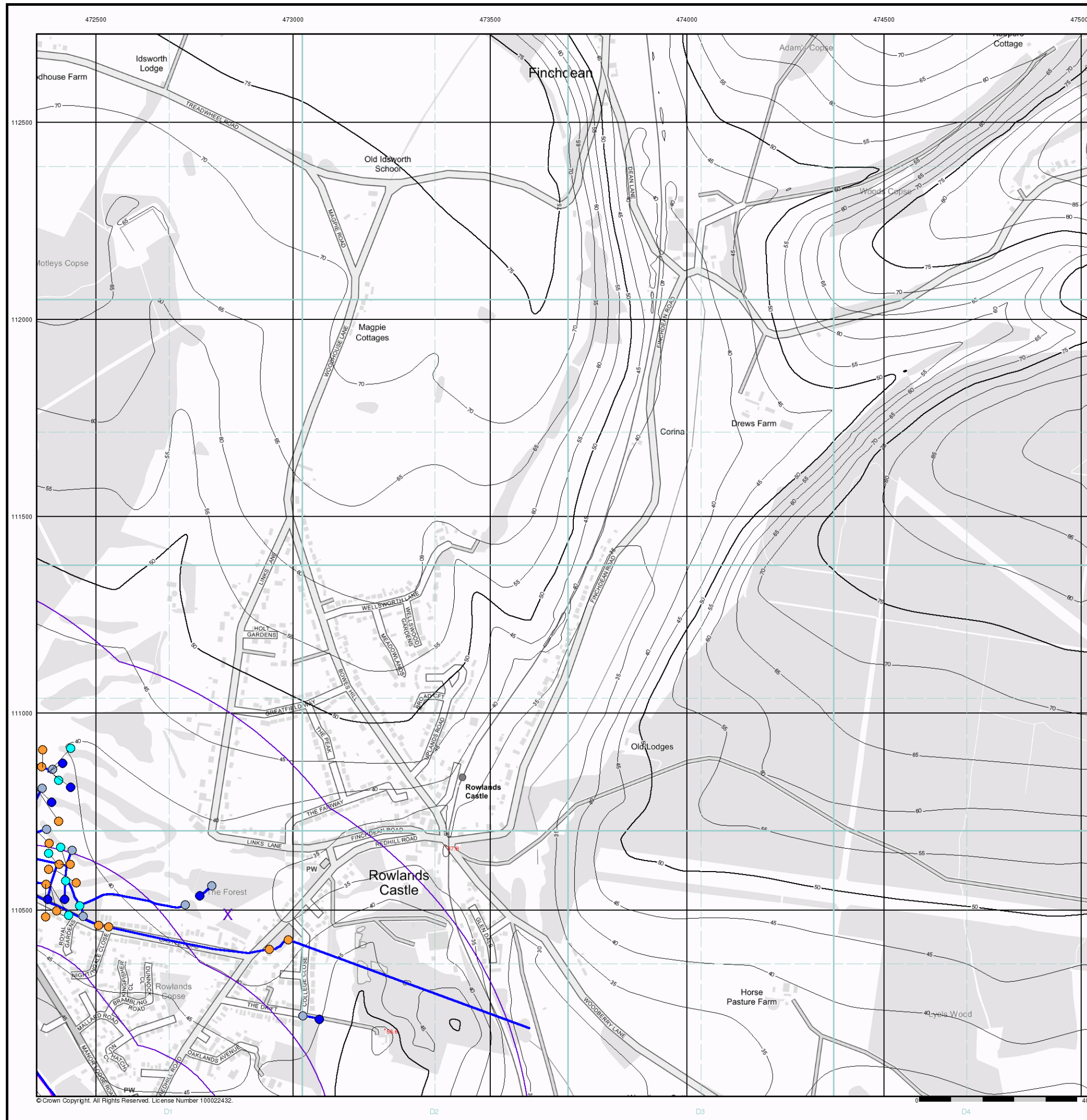


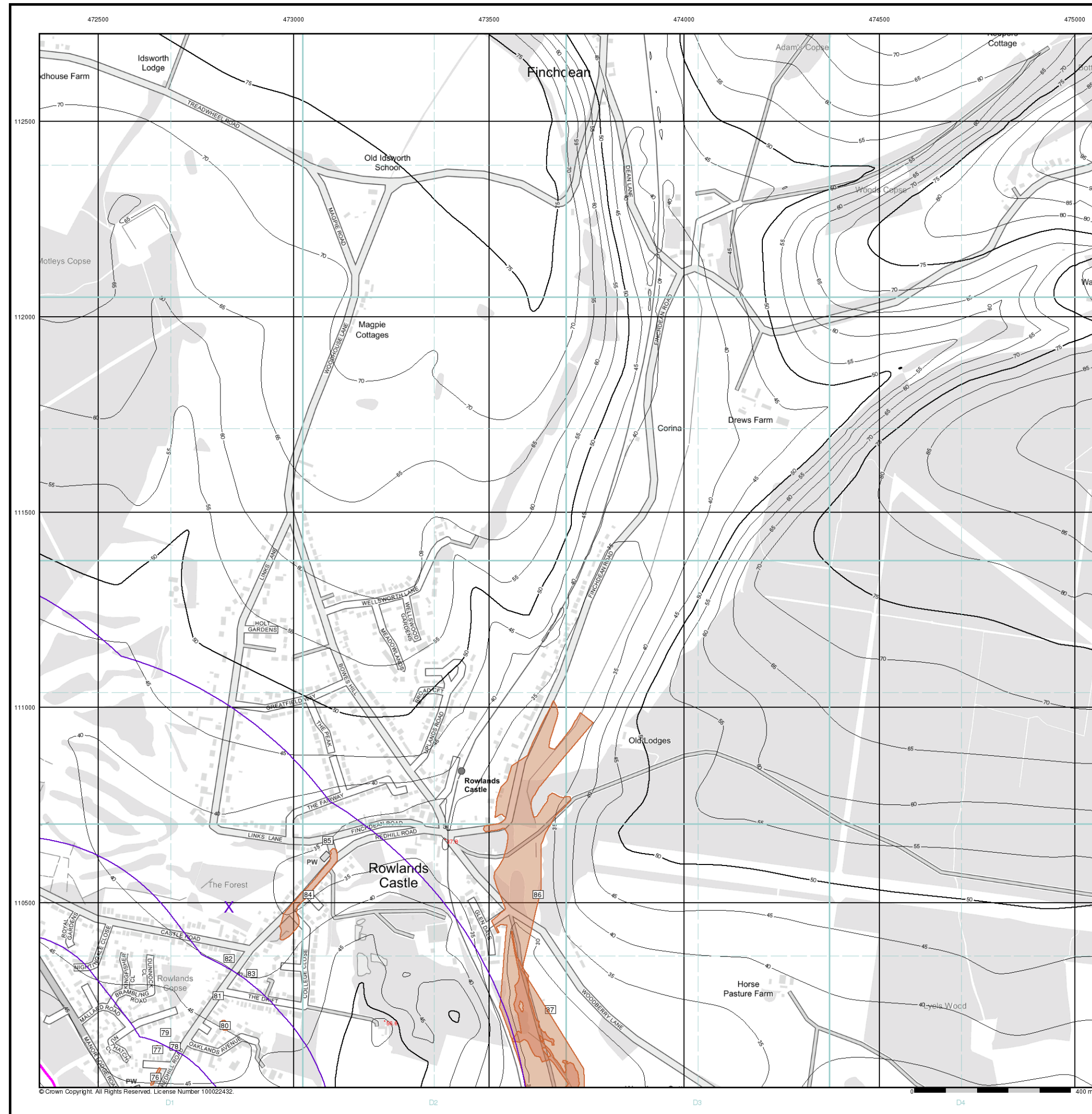
Order Details

Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472830, 110490
 Slice: D
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

Site at 472000, 110000





ATKINS

EA/NRW Historic Flood Map (1:10,000)

General

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

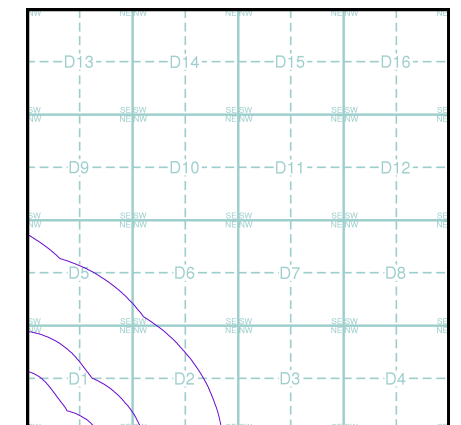
Historic Flood Events Data

- 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 metres)

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

EA/NRW Historic Flood Map - Slice D



Order Details

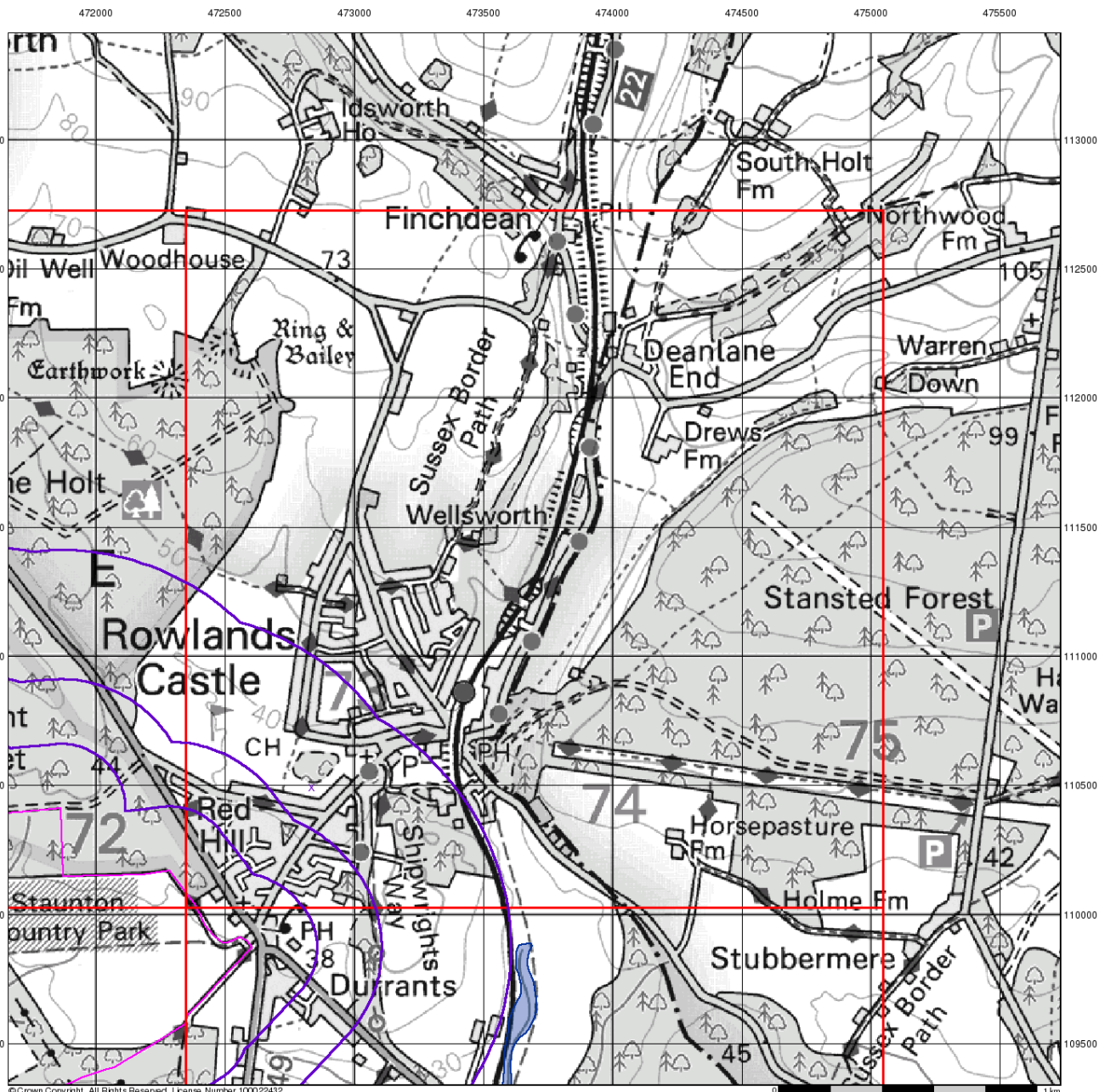
Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472830, 110490
 Slice: D
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

Site at 472000, 110000

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BGS Flood Data (1:50,000)

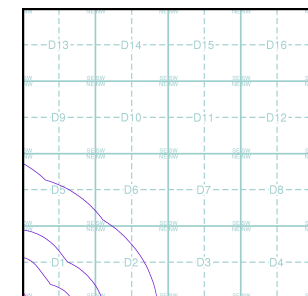
General

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

BGS Geological Indicators of Flooding

- Coastal
- Inland
- Bodies of Water

BGS Flood Data Map - Slice D



Order Details

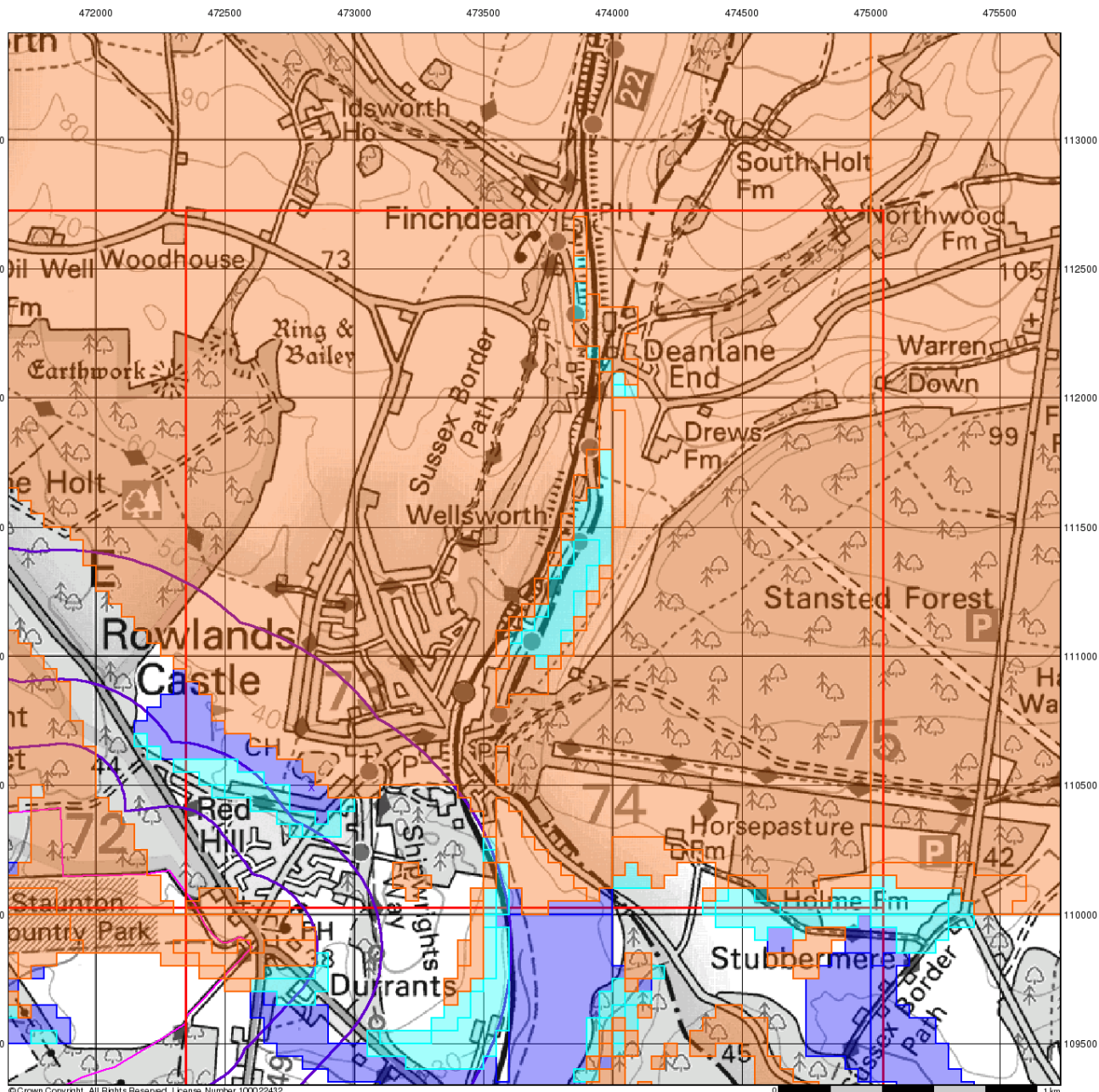
Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472830, 110490
 Slice: D
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

Site at 472000, 110000

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BGS Flood Data (1:50,000)

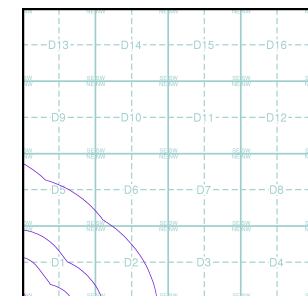
General

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

BGS Groundwater Flooding Susceptibility

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

BGS Flood Data Map - Slice D



Order Details

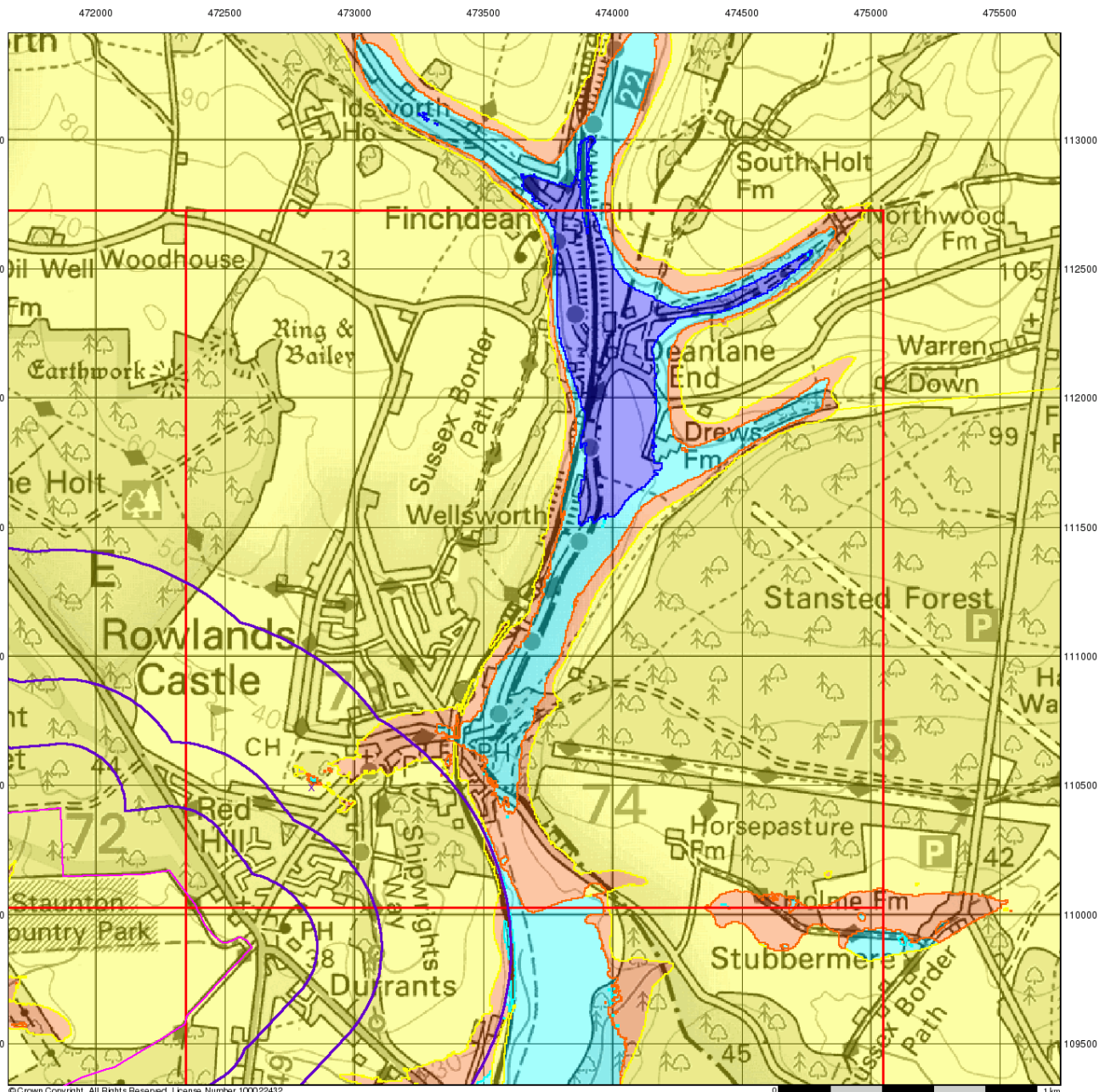
Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472830, 110490
 Slice: D
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

Site at 472000, 110000

Landmark
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GeoSmart Information Groundwater Flood Map (1:50,000)

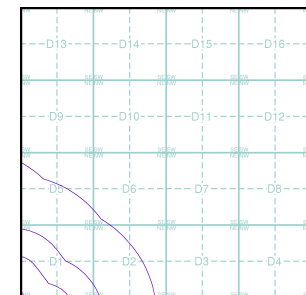
General

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

GeoSmart Information Groundwater Flooding Risk

- High Risk
- Moderate Risk
- Low Risk
- Negligible Risk

GeoSmart Information Groundwater Flood Map - Slice D



Order Details

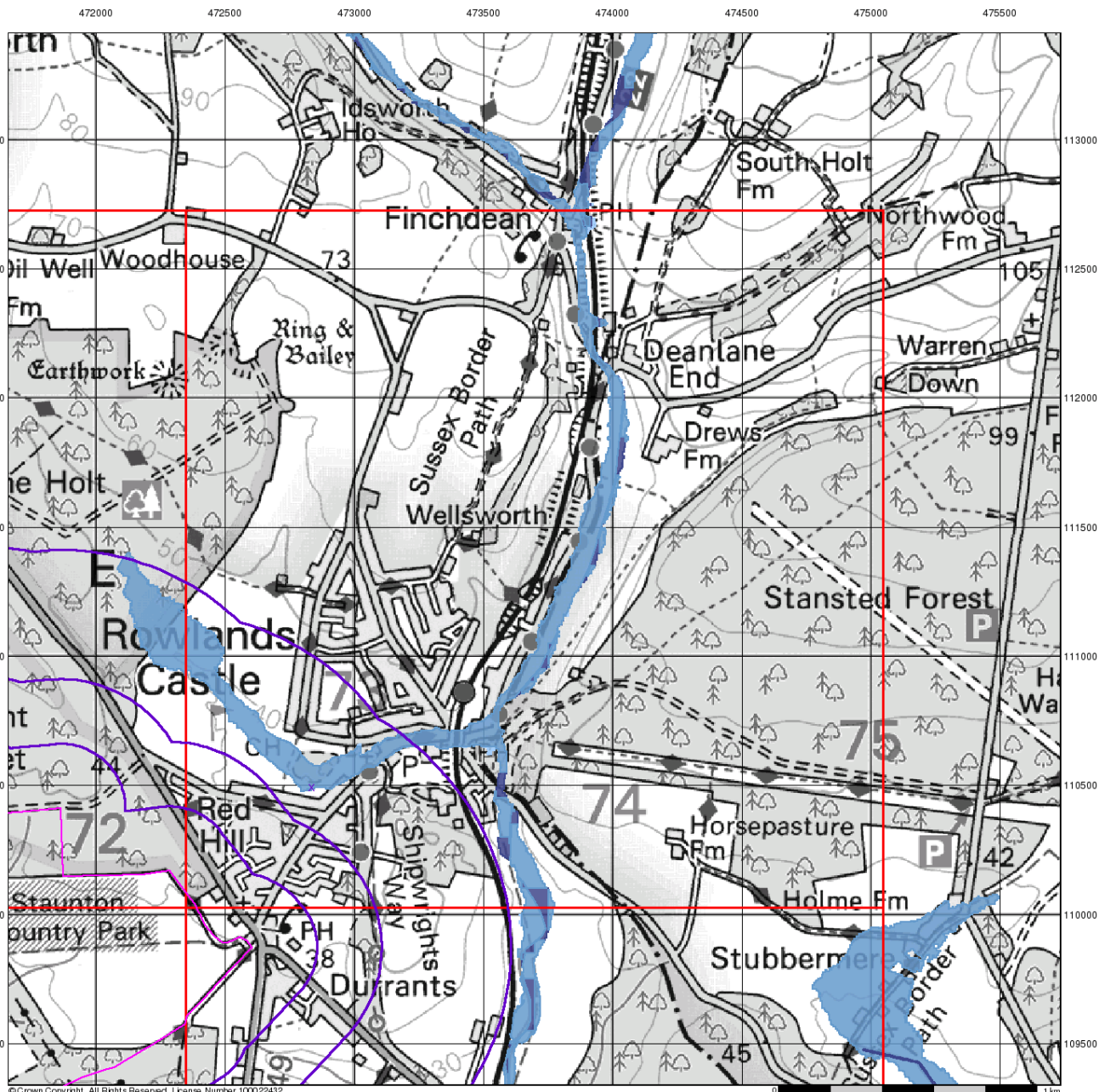
Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472830, 110490
 Slice: D
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

Site at 472000, 110000

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



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EA/NRW RoFRS Data (1:50,000)

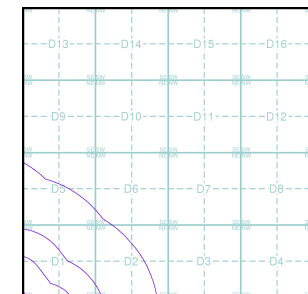
General

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

Risk of Flooding from Rivers and Sea (RoFRS)

- High Risk
- Medium Risk
- Low Risk
- Very Low Risk

EA/NRW RoFRS Data Map - Slice D



Order Details

Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472830, 110490
 Slice: D
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

Site at 472000, 110000

Landmark
 INFORMATION GROUP

Tel: 0844 844 9952
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 Web: www.ernirocheck.co.uk

Envirocheck[®] Report:

Flood Screening Report Datasheet

Order Details:

Order Number:

202069335_1_1

Customer Reference:

5169117

National Grid Reference:

472830, 110490

Slice:

D

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 and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer(s) selected. For ease of reference, the report is broken down into seven sections of data.	
EA / NRW / CEH Flood Data	-
This section details data from the Environment Agency/Natural Resources Wales and the Centre for Ecology and Hydrology. The EA/NRW data is reported to a distance of 250m from the edge of the site polygon and details both Zone 2 (extreme) and Zone 3 flood extents, as well as flood defences, flood water storage areas and areas benefiting from flood defences. The CEH data is reported to a distance of 250m from the edge of the site polygon and covers flood data for Scotland, divided into levels based on the frequency and magnitude of a predicted 100 year term. All data sets within this section are plotted and feature on the EA / NRW / CEH Flood Data (1:10,000) map. For added value, OS Contour data is also plotted, detailing contours, spot heights and land water boundaries.	
JBA Flood Data	1
This section contains the Comprehensive Flood Map ("CFM") data from JBA Risk Management Limited. The data is based upon the likelihood of a flood occurrence for up to 4 flood return periods depending on the type of flooding; these being 75 years, 100 years, 200 years and 1000 years. Each layer being modelled at a 5m cell resolution. Each return period is depicted on a separate 1:10,000 scale map and reports features to a distance of 250m in the datasheet from the edge of the site polygon. For each return period the following three sources of flooding are identified, surface water or pluvial flooding, undefended river flooding or fluvial flooding and undefended coastal flooding. In each case the extent of the flooding source is displayed with the associated depth range. In addition, a 1:10,000 scale map depicting flooding from a Canal Failure and a coverage check for this dataset is included. Where coverage exists, information is reported in the datasheet where the site could be affected by flooding that results from a dam breach. For added value, OS Contour data is also plotted, detailing contours, spot heights and land water boundaries.	
BGS Flood Data	2
This section contains two BGS data sets; namely Geological Indicators of Flooding and Groundwater Flooding Susceptibility, both of which report features out to a possible 1000m, with coverage in England, Wales and Scotland. Each data set is plotted on a separate BGS Flood Data (1:50,000) map.	
GeoSmart Information Groundwater Flood Data	5
This section contains data provided by GeoSmart Information who, building on their expertise, have developed algorithms and calibrated predictions of the risk of groundwater flooding occurring in Great Britain. The resulting map, classifies groundwater flood risk for each 5m x 5m into four categories, negligible, low, moderate and high. These classifications are based on the level of risk, combining severity and uncertainty that a site will suffer groundwater flooding within a return period of about 200 years.	
OS Water Network Data	8
This section details the MasterMap Water Network data sourced from the Ordnance Survey. The OS MasterMap Water Network data details a network representing the watercourse within Great Britain. The OS Water Network Lines data set details the approximate central alignment of a watercourse, including rivers, lakes and canals. The OS Water Network Nodes data set details features that represent a river's source, end, a junction where three or more links meet, and places where the real world related attribution changes; for example a watercourse becoming tidal. The data sets within this section are plotted and feature on the OS Water Network Map (1:10,000) . For added value, OS Contour data is also plotted, detailing contours, spot heights and land water boundaries.	

EA/NRW Historic Flood Events Data	15
This section details Historic Flood data sourced from the Environment Agency/Natural Resources Wales and from data held by Landmark. The EA/NRW Historic Flood Events data is reported to a distance of 1000m from the edge of the site polygon and details recorded historic flood events from 1703 to October 2008. The data also contains information on the source and cause of the flood, and how the flood outline was established. Also included in this section is Landmark's Historical Flood Liabilities data set, which identifies areas that are liable to flood based on systematic analysis of historical mapping dating back to the mid 19th century. Both data sets within this section are plotted and feature on the EA/NRW Historical Flood (1:10,000) map. For added value, OS Contour data is also plotted, detailing contours, spot heights and land water boundaries.	
EA/NRW RoFRS Data	17
This section details the Risk of Flooding from Rivers and Sea (RoFRS) data sourced from the Environment Agency/Natural Resources Wales and is reported to a distance of 1000m from the edge of the site polygon. The RoFRS data provides an indication of areas of land at risk of flooding from rivers and the sea. These areas of land, called impacted cells, are represented as 50 metre squares, or smaller areas where a square is intersected by a river or coastline. The average height information of the impacted cell, modelled river and sea levels and information about over 200,000 flood defences are used as inputs to a computer flood model run by the Environment Agency/Natural Resources Wales. The model compares the probability that the flood defences will overtop or breach and the distance of the impact cell from the river or the sea for 40 scenarios for probabilities of between 100% to 0.1%. The results are then consolidated to calculate a single probability category for each impacted cell. These results have been validated by local staff using their local knowledge and expertise. RoFRS is a national flood risk assessment and does not contain information about property thresholds. Due to variations in the input data and the performance of the computer flood model at particular locations, the resulting category of an impacted cell should only be used at a specific study scale. In certain areas it would only be appropriate to compare risks between towns and counties whereas in other areas they would be more suitable for understanding risk at a street level. The level of suitability for a particular cell is indicated by the cell's suitability scale. The data within this section is plotted and feature on the EA/NRW RoFRS Data (1:50,000) map. This dataset is not available in Scotland.	
Flood Insurance Risk Data	18
This section contains flood risk data from Crawford and Company. This dataset is not plotted on any of the associated Flood maps. Crawford & Co have generated an Insurance Claims rating for Flood Risk. The risk is determined by comparing the number of flood insurance claims made to the number of properties in the postcode sector. The data will also include flood claims from domestic accidents or blocked drains, as well as flooding from river or tidal events. Flood insurance claim ratings are reported for the site only.	
Data Currency	19
Data Suppliers	22
Useful Contacts	23

Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
EA / NRW / CEH Flood Data					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
JBA Flood Data					
JBA 75 Year Return (undefended) - Pluvial	pg 1		1	n/a	n/a
JBA 75 Year Return (undefended) - Fluvial				n/a	n/a
JBA 75 Year Return (undefended) - Coastal				n/a	n/a
JBA 100 Year Return (undefended) - Fluvial				n/a	n/a
JBA 100 Year Return (undefended) - Coastal				n/a	n/a
JBA 200 Year Return (undefended) - Pluvial	pg 1		1	n/a	n/a
JBA 200 Year Return (undefended) - Fluvial				n/a	n/a
JBA 200 Year Return (undefended) - Coastal				n/a	n/a
JBA 1000 Year Return (undefended) - Pluvial	pg 1		9	n/a	n/a
JBA 1000 Year Return (undefended) - Fluvial				n/a	n/a
JBA 1000 Year Return (undefended) - Coastal				n/a	n/a
JBA Canal Failure					
JBA Dam Break					
BGS Flood Data					
BGS Geological Indicators of Flooding					
BGS Groundwater Flooding Susceptibility	pg 2	16	6	6	19
GeoSmart Information Groundwater Flood					
GeoSmart Information Groundwater Flood Risk	pg 5	9			31
OS Water Network Data					
OS Water Network Lines	pg 8		1	21	16
OS Water Network Nodes	pg 12			17	20
EA/NRW Historic Flood Events Data					
Historic Flood Events	pg 15		2	4	6
Historical Flood Liabilities					
EA/NRW RoFRS Data					
RoFRS - Risk of Flooding from Rivers and Sea	pg 17				6
Flood Insurance Risk Data					
Postcode Sector Flood Insurance Claim Ratings	pg 18	1	n/a	n/a	n/a

Report Version v53.0

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	JBA 75 Year Return (undefended) - Pluvial Flood Depth: Greater than 0.1m and Less than or equal to 0.3m	D1SW (SW)	234	2	472590 110185
	JBA 75 Year Return (undefended) - Fluvial None				
	JBA 75 Year Return (undefended) - Coastal None				
	JBA 100 Year Return (undefended) - Fluvial None				
	JBA 100 Year Return (undefended) - Coastal None				
	JBA 200 Year Return (undefended) - Pluvial Flood Depth: Greater than 0.1m and Less than or equal to 0.3m	D1SW (SW)	234	2	472600 110190
	JBA 200 Year Return (undefended) - Fluvial None				
	JBA 200 Year Return (undefended) - Coastal None				
	JBA 1000 Year Return (undefended) - Pluvial Flood Depth: Greater than 0.1m and Less than or equal to 0.3m	D1SW (SW)	219	2	472660 110125
	JBA 1000 Year Return (undefended) - Pluvial Flood Depth: Greater than 0.1m and Less than or equal to 0.3m	D1SW (SW)	224	2	472665 110120
	JBA 1000 Year Return (undefended) - Pluvial Flood Depth: Greater than 0.1m and Less than or equal to 0.3m	D1SW (SW)	224	2	472675 110110
	JBA 1000 Year Return (undefended) - Pluvial Flood Depth: Greater than 0.1m and Less than or equal to 0.3m	D1SW (SW)	233	2	472675 110120
	JBA 1000 Year Return (undefended) - Pluvial Flood Depth: Greater than 0.1m and Less than or equal to 0.3m	D1SW (SW)	233	2	472570 110205
	JBA 1000 Year Return (undefended) - Pluvial Flood Depth: Greater than 0.1m and Less than or equal to 0.3m	D1SW (SW)	233	2	472605 110195
	JBA 1000 Year Return (undefended) - Pluvial Flood Depth: Greater than 0.3m and Less than or equal to 1.0m	D1SW (SW)	235	2	472570 110200
	JBA 1000 Year Return (undefended) - Pluvial Flood Depth: Greater than 0.1m and Less than or equal to 0.3m	D1SW (SW)	242	2	472575 110200
	JBA 1000 Year Return (undefended) - Pluvial Flood Depth: Greater than 0.1m and Less than or equal to 0.3m	D1SW (SW)	243	2	472580 110195
	JBA 1000 Year Return (undefended) - Fluvial None				
	JBA 1000 Year Return (undefended) - Coastal None				
	JBA Canal Failure Coverage Coverage: This area has not been mapped for risk of flooding from canal or aqueduct failure or breach.	D1NE (NW)	0	2	472835 110490
	JBA Canal Failure None				
	JBA Dam Break Coverage Coverage: This area has been mapped for flooding from dam or reservoir embankment failure or breach.	D1NE (NW)	0	2	472835 110490
	JBA Dam Break None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	3	471700 109850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	3	471850 110100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	3	471900 110000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	0	3	471800 109800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	3	472500 109800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	3	472835 109900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	3	471700 109650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	3	471750 109650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	0	3	471700 109750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	3	471850 109550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	3	472250 110150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D1SE (S)	0	3	472750 110050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	3	472800 110000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	3	471700 109700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	0	3	471900 109600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(W)	0	3	471700 110200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	7	3	472600 109750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	80	3	472850 109800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	83	3	472835 109800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	115	3	472650 109700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	151	3	472700 109700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	246	3	472850 109850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D1NW (W)	327	3	472500 110490
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D1NE (W)	351	3	472750 110490
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	374	3	472200 110650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	387	3	472250 110600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	D1NE (NW)	407	3	472835 110490
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D1SE (S)	434	3	472800 110350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	550	3	473550 109950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D1NE (NE)	574	3	472850 110500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D2SW (SE)	591	3	473150 110200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	591	3	473100 109550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D1NE (E)	622	3	472950 110450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	746	3	473400 109700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	755	3	473450 110000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	795	3	473400 109900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	854	3	473450 109750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D2SE (SE)	855	3	473450 110050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D2SE (SE)	863	3	473450 110100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	895	3	473500 109950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	898	3	473500 110000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D2SE (SE)	904	3	473500 110100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D2SE (SE)	923	3	473500 110200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D2SE (E)	953	3	473500 110250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D2SE (E)	954	3	473550 110200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D2SE (E)	971	3	473500 110300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D2NE (E)	1000	3	473550 110450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	GeoSmart Information Groundwater Flood Data Risk: Negligible Risk Risk Details: There is a negligible risk of groundwater flooding in this area and any groundwater flooding incidence has a chance of less than 1 in 100 (<1%) probability of occurrence.	(SW)	0	2	471670 109670
	GeoSmart Information Groundwater Flood Data Risk: Negligible Risk Risk Details: There is a negligible risk of groundwater flooding in this area and any groundwater flooding incidence has a chance of less than 1 in 100 (<1%) probability of occurrence.	(SW)	0	2	471675 109665
	GeoSmart Information Groundwater Flood Data Risk: Low Risk Risk Details: There is a low risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	(W)	0	2	471685 110200
	GeoSmart Information Groundwater Flood Data Risk: Negligible Risk Risk Details: There is a negligible risk of groundwater flooding in this area and any groundwater flooding incidence has a chance of less than 1 in 100 (<1%) probability of occurrence.	(SW)	0	2	471695 109735
	GeoSmart Information Groundwater Flood Data Risk: Low Risk Risk Details: There is a low risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	(SW)	0	2	471700 109720
	GeoSmart Information Groundwater Flood Data Risk: Low Risk Risk Details: There is a low risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	(W)	0	2	471690 110205
	GeoSmart Information Groundwater Flood Data Risk: Negligible Risk Risk Details: There is a negligible risk of groundwater flooding in this area and any groundwater flooding incidence has a chance of less than 1 in 100 (<1%) probability of occurrence.	(SW)	0	2	471730 109575
	GeoSmart Information Groundwater Flood Data Risk: Low Risk Risk Details: There is a low risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	(SW)	0	2	471895 109585
	GeoSmart Information Groundwater Flood Data Risk: Negligible Risk Risk Details: There is a negligible risk of groundwater flooding in this area and any groundwater flooding incidence has a chance of less than 1 in 100 (<1%) probability of occurrence.	D1NE (NW)	0	2	472835 110490
	GeoSmart Information Groundwater Flood Data Risk: Low Risk Risk Details: There is a low risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	D2SE (E)	585	2	473505 110320
	GeoSmart Information Groundwater Flood Data Risk: Low Risk Risk Details: There is a low risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	D1NE (N)	608	2	472815 110545
	GeoSmart Information Groundwater Flood Data Risk: Low Risk Risk Details: There is a low risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	D1NE (E)	609	2	472945 110450
	GeoSmart Information Groundwater Flood Data Risk: Low Risk Risk Details: There is a low risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	D1NE (NW)	630	2	472780 110570
	GeoSmart Information Groundwater Flood Data Risk: Low Risk Risk Details: There is a low risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	D1NE (NE)	639	2	472840 110500
	GeoSmart Information Groundwater Flood Data Risk: Moderate Risk Risk Details: There is a moderate risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	D1NE (NW)	640	2	472795 110560

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	GeoSmart Information Groundwater Flood Data Risk: Low Risk Risk Details: There is a low risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	D1NE (NW)	647	2	472800 110565
	GeoSmart Information Groundwater Flood Data Risk: Moderate Risk Risk Details: There is a moderate risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	D1NE (N)	651	2	472840 110515
	GeoSmart Information Groundwater Flood Data Risk: Low Risk Risk Details: There is a low risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	D1NE (E)	657	2	472900 110485
	GeoSmart Information Groundwater Flood Data Risk: Low Risk Risk Details: There is a low risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	D1NE (E)	659	2	472935 110460
	GeoSmart Information Groundwater Flood Data Risk: Moderate Risk Risk Details: There is a moderate risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	D1NE (E)	660	2	472980 110440
	GeoSmart Information Groundwater Flood Data Risk: Low Risk Risk Details: There is a low risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	D1NE (N)	661	2	472840 110530
	GeoSmart Information Groundwater Flood Data Risk: Low Risk Risk Details: There is a low risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	D1NE (E)	665	2	472895 110490
	GeoSmart Information Groundwater Flood Data Risk: Low Risk Risk Details: There is a low risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	D1NE (E)	665	2	472885 110490
	GeoSmart Information Groundwater Flood Data Risk: Low Risk Risk Details: There is a low risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	D1NE (E)	667	2	472880 110495
	GeoSmart Information Groundwater Flood Data Risk: Low Risk Risk Details: There is a low risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	D1NE (E)	680	2	472895 110505
	GeoSmart Information Groundwater Flood Data Risk: Low Risk Risk Details: There is a low risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	D1NE (NE)	708	2	472885 110550
	GeoSmart Information Groundwater Flood Data Risk: Low Risk Risk Details: There is a low risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	(S)	712	2	473100 109360
	GeoSmart Information Groundwater Flood Data Risk: Low Risk Risk Details: There is a low risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	D1NE (NE)	723	2	472900 110555
	GeoSmart Information Groundwater Flood Data Risk: Low Risk Risk Details: There is a low risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	D1NE (NE)	726	2	472900 110580
	GeoSmart Information Groundwater Flood Data Risk: Negligible Risk Risk Details: There is a negligible risk of groundwater flooding in this area and any groundwater flooding incidence has a chance of less than 1 in 100 (<1%) probability of occurrence.	D1NE (E)	759	2	472980 110545
	GeoSmart Information Groundwater Flood Data Risk: Negligible Risk Risk Details: There is a negligible risk of groundwater flooding in this area and any groundwater flooding incidence has a chance of less than 1 in 100 (<1%) probability of occurrence.	(S)	790	2	473210 109365

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	GeoSmart Information Groundwater Flood Data Risk: Negligible Risk Risk Details: There is a negligible risk of groundwater flooding in this area and any groundwater flooding incidence has a chance of less than 1 in 100 (<1%) probability of occurrence.	D2NW (E)	814	2	473070 110550
	GeoSmart Information Groundwater Flood Data Risk: Negligible Risk Risk Details: There is a negligible risk of groundwater flooding in this area and any groundwater flooding incidence has a chance of less than 1 in 100 (<1%) probability of occurrence.	(S)	822	2	473235 109345
	GeoSmart Information Groundwater Flood Data Risk: Low Risk Risk Details: There is a low risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	(SE)	878	2	473385 109470
	GeoSmart Information Groundwater Flood Data Risk: Negligible Risk Risk Details: There is a negligible risk of groundwater flooding in this area and any groundwater flooding incidence has a chance of less than 1 in 100 (<1%) probability of occurrence.	D2NW (NE)	902	2	473040 110675
	GeoSmart Information Groundwater Flood Data Risk: Negligible Risk Risk Details: There is a negligible risk of groundwater flooding in this area and any groundwater flooding incidence has a chance of less than 1 in 100 (<1%) probability of occurrence.	(SE)	935	2	473460 109495
	GeoSmart Information Groundwater Flood Data Risk: Moderate Risk Risk Details: There is a moderate risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	D2SE (E)	974	2	473510 110330
	GeoSmart Information Groundwater Flood Data Risk: Moderate Risk Risk Details: There is a moderate risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	(SE)	975	2	473580 109975
	GeoSmart Information Groundwater Flood Data Risk: Low Risk Risk Details: There is a low risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	D2NW (E)	986	2	473335 110535
	GeoSmart Information Groundwater Flood Data Risk: Moderate Risk Risk Details: There is a moderate risk of groundwater flooding in this area with a chance of greater than 1 in 100 (>1%) probability of occurrence.	(SE)	1000	2	473600 109735

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 372.0 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	(SW)	2	4	472340 110101
2	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 365.0 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	D1NW (W)	358	4	472506 110462
3	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 21.1 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	D1NW (W)	368	4	472526 110458
4	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 32.8 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	D1NW (W)	371	4	472384 110560
5	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 17.9 Watercourse Level: On ground surface Primacy: 2 Permanent: True Catchment Name: East Hampshire	D1NW (W)	374	4	472466 110495
6	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 420.8 Watercourse Level: Not Supplied Primacy: 1 Permanent: True Catchment Name: East Hampshire	D1NE (S)	377	4	472824 110398
7	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 47.2 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	D1NW (W)	383	4	472419 110527
8	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 76.2 Watercourse Level: On ground surface Primacy: 2 Permanent: True Catchment Name: East Hampshire	D1NW (W)	384	4	472458 110511
9	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 279.1 Watercourse Level: On ground surface Primacy: 2 Permanent: True Catchment Name: East Hampshire	D1NE (W)	384	4	472726 110513

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: Underground Primacy: 1 Permanent: True Catchment Name: East Hampshire	D1NW (W)	403	4	472384 110560
11	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 1.7 Watercourse Level: Underground Primacy: 2 Permanent: True Catchment Name: East Hampshire	D1NW (W)	407	4	472373 110566
12	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: On ground surface Primacy: 2 Permanent: True Catchment Name: East Hampshire	D1NW (W)	407	4	472384 110564
13	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 238.0 Watercourse Level: On ground surface Primacy: 2 Permanent: True Catchment Name: East Hampshire	D1NW (W)	407	4	472371 110566
14	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 35.1 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	D1NW (W)	408	4	472395 110597
15	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 38.4 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	D1NW (W)	429	4	472422 110575
16	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 216.0 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	D1NW (W)	434	4	472402 110618
17	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: Underground Primacy: 1 Permanent: True Catchment Name: East Hampshire	D1NW (W)	443	4	472396 110602
18	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 17.4 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	D1NW (W)	447	4	472402 110618

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	D1NW (W)	465	4	472406 110617
20	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: Underground Primacy: 1 Permanent: True Catchment Name: East Hampshire	D1NW (W)	465	4	472409 110616
21	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 15.3 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	D1NW (W)	465	4	472424 110613
22	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 42.7 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	D1NW (W)	466	4	472433 110637
23	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 17.7 Watercourse Level: Underground Primacy: 1 Permanent: True Catchment Name: East Hampshire	D1NW (NW)	526	4	472352 110698
24	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 23.1 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	D5SW (NW)	534	4	472374 110706
25	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 41.8 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	D2SW (SE)	553	4	473025 110232
26	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 34.5 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	(NW)	600	4	472344 110770
27	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 39.2 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	D1NE (NW)	604	4	472780 110549

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28	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 61.1 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	D1NE (SE)	616	4	472939 110401
29	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 2.4 Watercourse Level: Underground Primacy: 1 Permanent: True Catchment Name: East Hampshire	D5SW (NW)	627	4	472348 110809
30	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 17.1 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	D5SW (NW)	628	4	472360 110805
31	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 81.4 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	D5SW (NW)	644	4	472361 110864
32	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 651.9 Watercourse Level: Underground Primacy: 1 Permanent: True Catchment Name: East Hampshire	D1NE (SE)	665	4	472988 110425
33	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: Underground Primacy: 1 Permanent: True Catchment Name: East Hampshire	D5SW (NW)	673	4	472363 110863
34	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 21.1 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	D5SW (NW)	674	4	472383 110854
35	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	D5SW (NW)	679	4	472383 110854
36	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	D5SW (NW)	682	4	472386 110849

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	D5SW (NW)	683	4	472386 110857
38	OS Water Network Lines Watercourse Name: Not Supplied Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Primacy: 1 Permanent: True Catchment Name: East Hampshire	D5SW (NW)	687	4	472389 110858
39	OS Water Network Nodes Hydronode Pseudo Category:	D1NW (W)	368	4	472506 110462
40	OS Water Network Nodes Hydronode Source Category:	D1NW (W)	371	4	472376 110528
41	OS Water Network Nodes Hydronode Outlet Category:	D1NW (W)	374	4	472466 110495
42	OS Water Network Nodes Hydronode Pseudo Category:	D1NW (W)	377	4	472526 110458
43	OS Water Network Nodes Hydronode Source Category:	D1NW (W)	383	4	472419 110527
44	OS Water Network Nodes Hydronode Junction Category:	D1NW (W)	384	4	472458 110511
45	OS Water Network Nodes Hydronode Pseudo Category:	D1NW (W)	403	4	472384 110560
46	OS Water Network Nodes Hydronode Pseudo Category:	D1NW (W)	407	4	472373 110566
47	OS Water Network Nodes Hydronode Pseudo Category:	D1NW (W)	407	4	472371 110566
48	OS Water Network Nodes Hydronode Junction Category:	D1NW (W)	408	4	472384 110564
49	OS Water Network Nodes Hydronode Junction Category:	D1NW (W)	429	4	472422 110575
50	OS Water Network Nodes Hydronode Pseudo Category:	D1NW (W)	443	4	472395 110597
51	OS Water Network Nodes Hydronode Pseudo Category:	D1NW (W)	447	4	472396 110602
52	OS Water Network Nodes Hydronode Pseudo Category:	D1NW (W)	465	4	472409 110616
53	OS Water Network Nodes Hydronode Pseudo Category:	D1NW (W)	465	4	472406 110617
54	OS Water Network Nodes Hydronode Junction Category:	D1NW (W)	465	4	472402 110618

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	OS Water Network Nodes Hydronode Junction Category:	D1NW (W)	466	4	472424 110613
56	OS Water Network Nodes Hydronode Outlet Category:	D1NW (W)	508	4	472439 110653
57	OS Water Network Nodes Hydronode Pseudo Category:	D1NW (NW)	534	4	472352 110698
58	OS Water Network Nodes Hydronode Outlet Category:	D5SW (NW)	545	4	472374 110706
59	OS Water Network Nodes Hydronode Outlet Category:	D2SW (SE)	553	4	473025 110232
60	OS Water Network Nodes Hydronode Outlet Category:	D1NE (W)	560	4	472726 110513
61	OS Water Network Nodes Hydronode Source Category:	D2SW (SE)	579	4	473065 110224
62	OS Water Network Nodes Hydronode Source Category:	D1NE (NW)	604	4	472763 110537
63	OS Water Network Nodes Hydronode Pseudo Category:	D1NE (SE)	616	4	472939 110401
64	OS Water Network Nodes Hydronode Pseudo Category:	D5SW (NW)	628	4	472348 110809
65	OS Water Network Nodes Hydronode Source Category:	D5SW (NW)	631	4	472358 110802
66	OS Water Network Nodes Hydronode Outlet Category:	D5SW (NW)	638	4	472362 110809
67	OS Water Network Nodes Hydronode Outlet Category:	D1NE (NW)	643	4	472793 110562
68	OS Water Network Nodes Hydronode Pseudo Category:	D1NE (SE)	665	4	472988 110425
69	OS Water Network Nodes Hydronode Pseudo Category:	D5SW (NW)	673	4	472361 110864
70	OS Water Network Nodes Hydronode Pseudo Category:	D5SW (NW)	674	4	472363 110863
71	OS Water Network Nodes Hydronode Source Category:	D5SW (NW)	679	4	472379 110852
72	OS Water Network Nodes Hydronode Source Category:	D5SW (NW)	682	4	472386 110849
73	OS Water Network Nodes Hydronode Junction Category:	D5SW (NW)	683	4	472383 110854
74	OS Water Network Nodes Hydronode Junction Category:	D5SW (NW)	687	4	472386 110857

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	OS Water Network Nodes Hydronode Outlet Category:	D5SW (NW)	690	4	472389 110858

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
76	Historic Flood Events Flood Event Type: Historic Flood Event - Fluvial Flooding Cause: Groundwater/High Water Table Source: Environment Agency, Head Office Flood Event Start Date: 1st November 2000 Flood Event End Date: 1st March 2001	D1SW (SW)	143	1	472659 110076
77	Historic Flood Events Flood Event Type: Historic Flood Event - Fluvial Flooding Cause: Groundwater/High Water Table Source: Environment Agency, Head Office Flood Event Start Date: 1st November 2000 Flood Event End Date: 1st March 2001	D1SW (SW)	225	1	472652 110134
78	Historic Flood Events Flood Event Type: Historic Flood Event - Fluvial Flooding Cause: Groundwater/High Water Table Source: Environment Agency, Head Office Flood Event Start Date: 1st November 2000 Flood Event End Date: 1st March 2001	D1SE (S)	258	1	472700 110136
79	Historic Flood Events Flood Event Type: Historic Flood Event - Fluvial Flooding Cause: Groundwater/High Water Table Source: Environment Agency, Head Office Flood Event Start Date: 1st November 2000 Flood Event End Date: 1st March 2001	D1SW (SW)	276	1	472672 110172
80	Historic Flood Events Flood Event Type: Historic Flood Event - Fluvial Flooding Cause: Groundwater/High Water Table Source: Environment Agency, Head Office Flood Event Start Date: 1st November 2000 Flood Event End Date: 1st March 2001	D1SE (S)	364	1	472823 110198
81	Historic Flood Events Flood Event Type: Historic Flood Event - Fluvial Flooding Cause: Groundwater/High Water Table Source: Environment Agency, Head Office Flood Event Start Date: 1st November 2000 Flood Event End Date: 1st March 2001	D1SE (S)	419	1	472813 110270
82	Historic Flood Events Flood Event Type: Historic Flood Event - Fluvial Flooding Cause: Groundwater/High Water Table Source: Environment Agency, Head Office Flood Event Start Date: 1st November 2000 Flood Event End Date: 1st March 2001	D1NE (S)	514	1	472835 110365
83	Historic Flood Events Flood Event Type: Historic Flood Event - Fluvial Flooding Cause: Groundwater/High Water Table Source: Environment Agency, Head Office Flood Event Start Date: 1st November 2000 Flood Event End Date: 1st March 2001	D1SE (S)	517	1	472892 110327
84	Historic Flood Events Flood Event Type: Historic Flood Event - Fluvial Flooding Cause: Groundwater/High Water Table Source: Environment Agency, Head Office Flood Event Start Date: 1st November 2000 Flood Event End Date: 1st March 2001	D1NE (E)	636	1	472965 110439

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
85	Historic Flood Events Flood Event Type: Historic Flood Event - Fluvial Flooding Cause: Groundwater/High Water Table Source: Environment Agency, Head Office Flood Event Start Date: 1st November 2000 Flood Event End Date: 1st March 2001	D2NW (NE)	903	1	473075 110656
86	Historic Flood Events Flood Event Type: Historic Flood Event - Fluvial Flooding Cause: Groundwater/High Water Table Source: Environment Agency, Head Office Flood Event Start Date: 1st November 2000 Flood Event End Date: 1st March 2001	D2NE (E)	990	1	473507 110453
87	Historic Flood Events Flood Event Type: Historic Flood Event - Fluvial Flooding Cause: Groundwater/High Water Table Source: Environment Agency, Head Office Flood Event Start Date: 1st December 2002 Flood Event End Date: 1st March 2003	D2NE (E)	993	1	473557 110426

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Risk of Flooding from Rivers and Sea (RoFRS) Flood Risk: Medium - Less than 1 in 30 (3.3%) but greater than or equal to 1 in 100 (1%) Assessment: chance in any given year Suitability Scale: County to Town Source: Environment Agency, Head Office	D1NE (NW)	574	1	472835 110490
	Risk of Flooding from Rivers and Sea (RoFRS) Flood Risk: Low - Less than 1 in 100 (1%) but greater than or equal to 1 in 1,000 (0.1%) Assessment: chance in any given year Suitability Scale: County to Town Source: Environment Agency, Head Office	(NW)	681	1	472300 110945
	Risk of Flooding from Rivers and Sea (RoFRS) Flood Risk: Low - Less than 1 in 100 (1%) but greater than or equal to 1 in 1,000 (0.1%) Assessment: chance in any given year Suitability Scale: County to Town Source: Environment Agency, Head Office	(NW)	772	1	472150 111130
	Risk of Flooding from Rivers and Sea (RoFRS) Flood Risk: Low - Less than 1 in 100 (1%) but greater than or equal to 1 in 1,000 (0.1%) Assessment: chance in any given year Suitability Scale: County to Town Source: Environment Agency, Head Office	(NW)	782	1	472150 111140
	Risk of Flooding from Rivers and Sea (RoFRS) Flood Risk: Low - Less than 1 in 100 (1%) but greater than or equal to 1 in 1,000 (0.1%) Assessment: chance in any given year Suitability Scale: County to Town Source: Environment Agency, Head Office	D1NE (NE)	867	1	473015 110650
	Risk of Flooding from Rivers and Sea (RoFRS) Flood Risk: Low - Less than 1 in 100 (1%) but greater than or equal to 1 in 1,000 (0.1%) Assessment: chance in any given year Suitability Scale: County to Town Source: Environment Agency, Head Office	D2NW (NE)	969	1	473200 110645

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Postcode Sector Flood Insurance Claim Ratings Insurance Rating: Low Flood Insurance Claim Rating Postcode Sector: PO9 6	D1NE (NW)	0	2	472835 110490

EA / NRW / CEH Flood Data	Version	Update Cycle
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
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2019	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2019	Quarterly
Flood Defences Environment Agency - Head Office	February 2019	Quarterly
EA / NRW Surface Water Flood Data	Version	Update Cycle
Surface Water 1 in 30 year Flood Depth Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 100 year Flood Depth Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 1000 year Flood Depth Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 30 year Flood Velocity Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 100 year Flood Velocity Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 1000 year Flood Velocity Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 30 year Flood Flow Direction 25m Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 100 year Flood Flow Direction 25m Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 1000 year Flood Flow Direction 25m Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 30 year Flood Hazard Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 100 year Flood Hazard Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 1000 year Flood Hazard Environment Agency - Head Office	October 2013	Annually
Surface Water Suitability Environment Agency - Head Office	October 2013	Annually

JBA Flood Data	Version	Update Cycle
JBA 75 Year Return (undefended) - Pluvial JBA Risk Management Limited	November 2018	Annually
JBA 75 Year Return (undefended) - Fluvial JBA Risk Management Limited	November 2018	Annually
JBA 75 Year Return (undefended) - Coastal JBA Risk Management Limited	November 2018	Annually
JBA 100 Year Return (undefended) - Fluvial JBA Risk Management Limited	November 2018	Annually
JBA 100 Year Return (undefended) - Coastal JBA Risk Management Limited	November 2018	Annually
JBA 200 Year Return (undefended) - Pluvial JBA Risk Management Limited	November 2018	Annually
JBA 200 Year Return (undefended) - Fluvial JBA Risk Management Limited	November 2018	Annually
JBA 200 Year Return (undefended) - Coastal JBA Risk Management Limited	November 2018	Annually
JBA 1000 Year Return (undefended) - Pluvial JBA Risk Management Limited	November 2018	Annually
JBA 1000 Year Return (undefended) - Fluvial JBA Risk Management Limited	November 2018	Annually
JBA 1000 Year Return (undefended) - Coastal JBA Risk Management Limited	November 2018	Annually
JBA Canal Failure JBA Risk Management Limited	November 2018	Annually
JBA Dam Break JBA Risk Management Limited	November 2018	Annually
BGS Flood Data	Version	Update Cycle
BGS Geological Indicators of Flooding British Geological Survey - National Geoscience Information Service	February 2011	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually
GeoSmart Information Groundwater Flooding Data	Version	Update Cycle
GeoSmart Information Groundwater Flood Risk GeoSmart Information Ltd	November 2017	Bi-Annually
OS Water Network Data	Version	Update Cycle
OS Water Network Lines Ordnance Survey	January 2019	Quarterly
OS Water Network Nodes Ordnance Survey	January 2019	Quarterly
EA/NRW Historic Flood Events Data	Version	Update Cycle
Historic Flood Events Environment Agency - Head Office	February 2019	Quarterly
Historical Flood Liabilities Landmark Information Group Limited	December 1999	Not Applicable

EA/NRW Risk of Flooding from Rivers and Sea (RoFRS)	Version	Update Cycle
RoFRS - Risk of Flooding from Rivers and Sea Environment Agency - Head Office	February 2019	Annually
Flood Insurance Risk Data	Version	Update Cycle
Postcode Sector Flood Insurance Claim Ratings Crawford and Company	July 2018	Quarterly

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Natural Resources Wales	
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
GeoSmart Information	
JBA Risk Management	

Contact	Name and Address	Contact Details
1	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
2	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
3	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
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409

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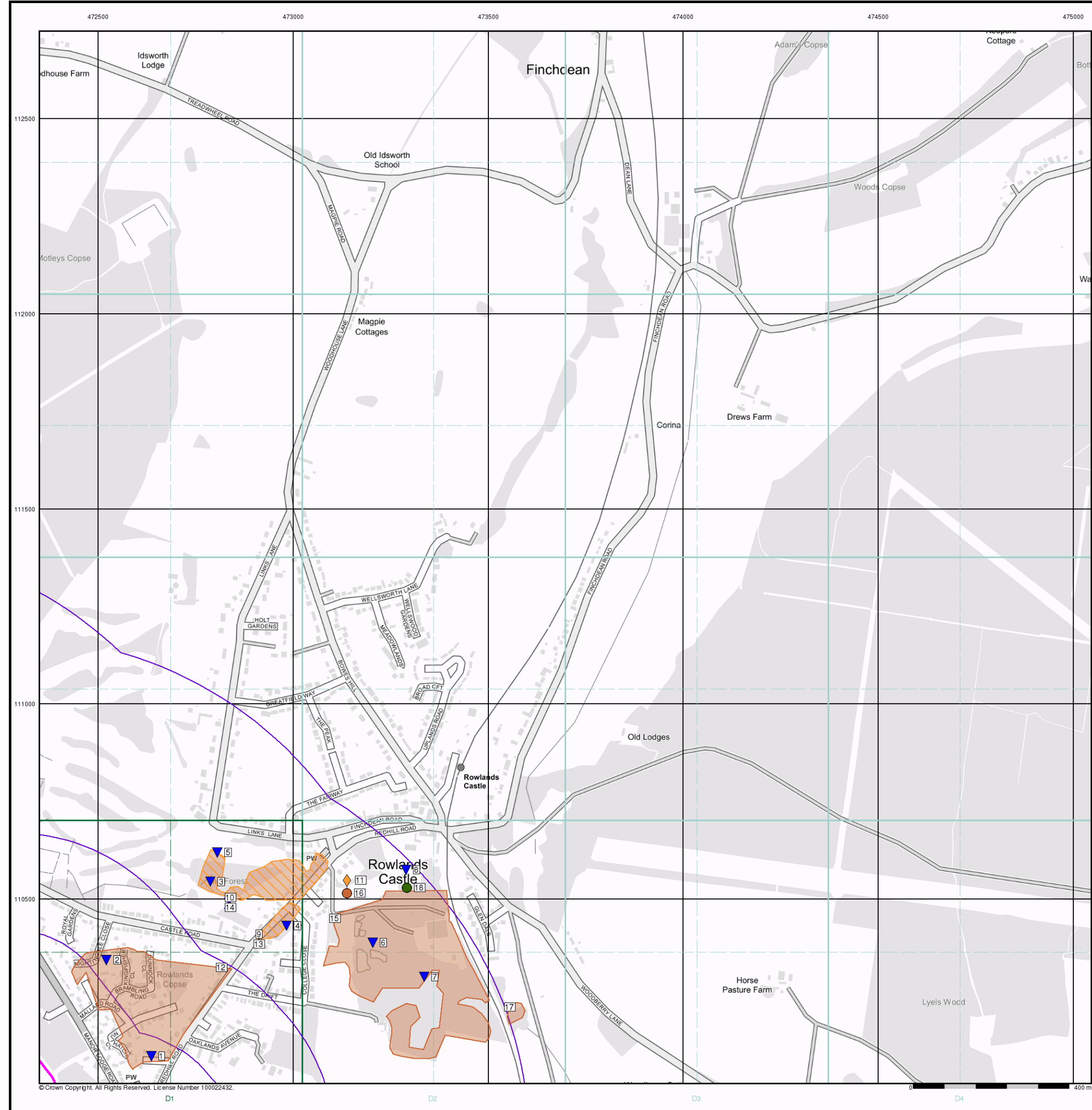
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ATKINS

Historical Land Use Information (1:10,000)

General

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

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts			
Disturbed Ground			
General Quarrying			
Heap, unknown constituents			
Mineral Railway			
Mining and Quarrying General			
Mining of Coal & Lignite			
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits			

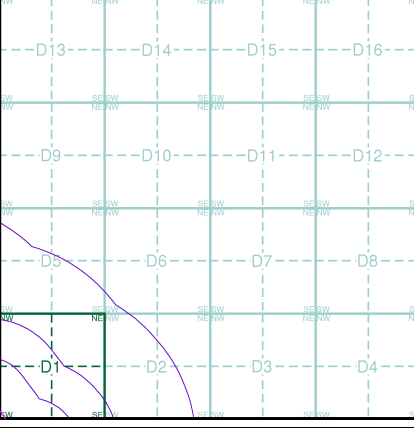
Historical Land Use

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

Mining Data

- Potential Mining Area
- BGS Recorded Mineral Site

Mining and Ground Stability - Slice D



Order Details

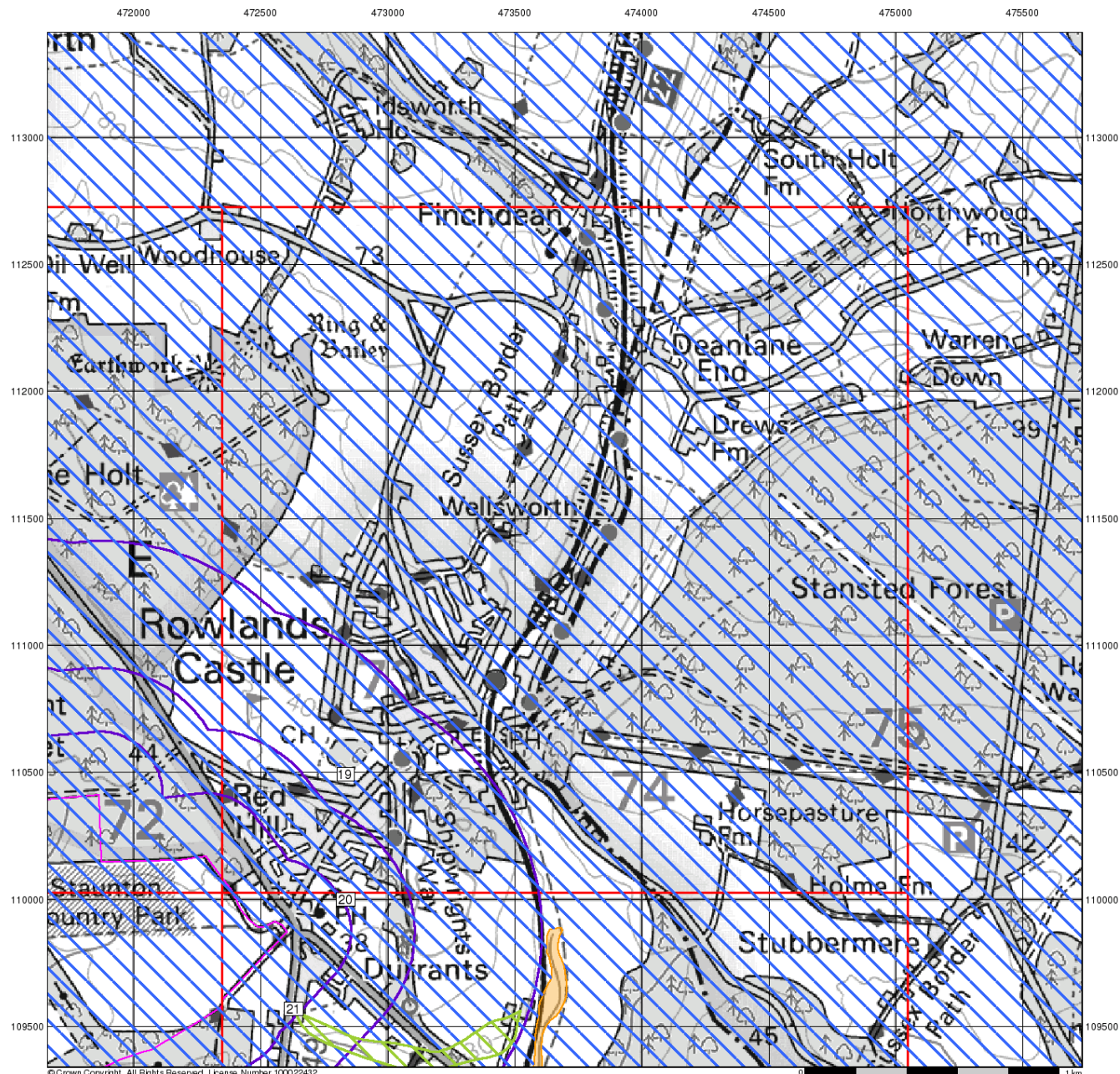
Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472830, 110490
Slice: D
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details

Site at 472000, 110000

Landmark
INFORMATION GROUP

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



ATKINS

Ground Stability Data (1:50,000)

General

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

Potential for Compressible Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Potential for Collapsible Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Brine Pumping and Salt Mining

- Brine Pumping Related Feature
- Salt Mining Related Feature

- Point
- Polygon

Mining and Ground Stability - Slice D



Order Details

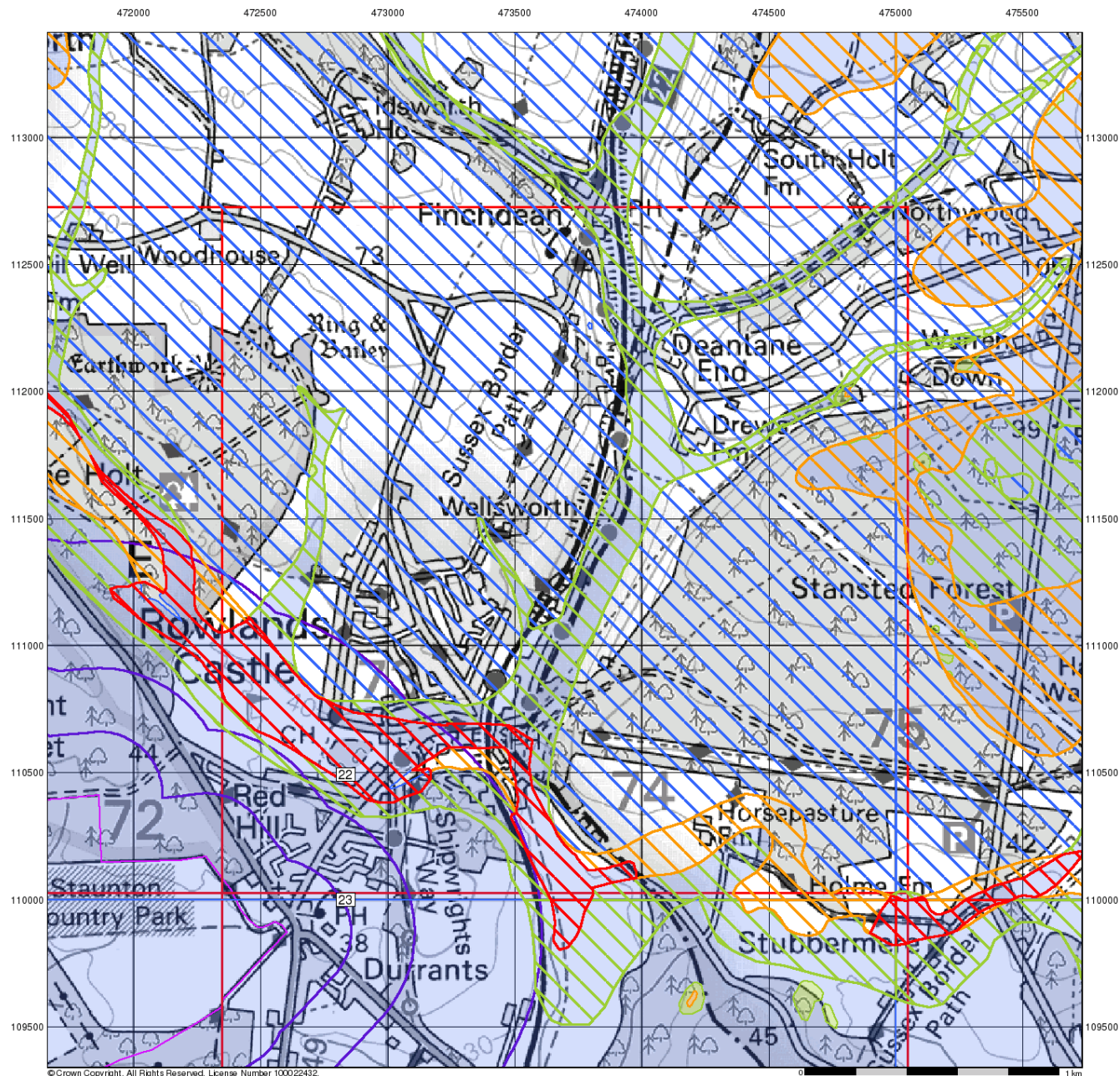
- Order Number: 202069335_1_1
- Customer Ref: 5169117
- National Grid Reference: 472830, 110490
- Slice: D
- Site Area (Ha): 172.43
- Search Buffer (m): 1000

Site Details

Site at 472000, 110000

Landmark
INFORMATION GROUP

Tel: 0844 844 9952
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ATKINS

Ground Stability Data (1:50,000)

General

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

Potential for Landslide Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Potential for Ground Dissolution Stability Hazards

- High
- Moderate
- Low
- Very Low

Mining and Ground Stability - Slice D



Order Details

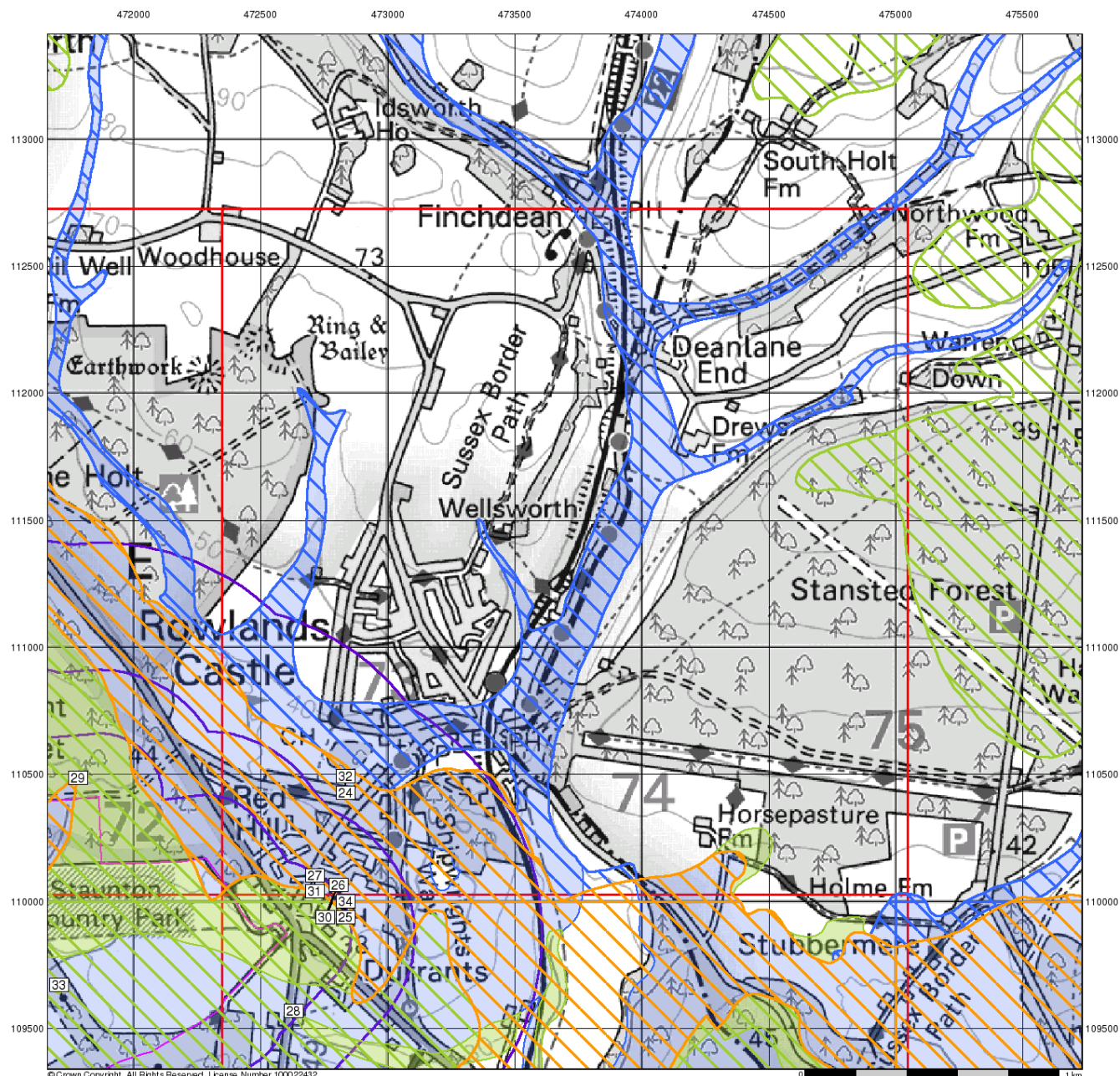
Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472830, 110490
 Slice: D
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

Site at 472000, 110000

Landmark
 INFORMATION GROUP

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



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ATKINS

Ground Stability Data (1:50,000)

General

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

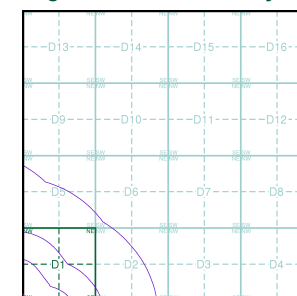
Potential for Running Sand Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Mining and Ground Stability - Slice D



Order Details

Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472830, 110490
 Slice: D
 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.enwirocheck.co.uk

Envirocheck[®] Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:

202069335_1_1

Customer Reference:

5169117

National Grid Reference:

472830, 110490

Slice:

D

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 and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	-
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	4
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	5
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Historical Map List	7
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	8
Data Suppliers	9
Useful Contacts	10

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The brine subsidence data relating to the Droitwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1		1	1	6
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities	pg 2			1	1
Mining Instability			n/a	n/a	n/a
Natural Cavities	pg 2				16
Non Coal Mining Areas of Great Britain	pg 3	Yes		n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)				n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying					
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits	pg 4				3
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 4		1		5
Potentially Infilled Land (Water)	pg 4				1

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 5	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 5	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 5	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Salt Mining Related Features					
Subsidence Insurance Claims	pg 6		1	n/a	n/a
Subsidence Investigations	pg 6		3	n/a	n/a

Report Version v53.0

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	BGS Recorded Mineral Sites Site Name: Red Hill Brick And Tile Works Location: Rowlands Castle, Rowlands Castle, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162696 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeocene Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	D1SW (SW)	205	1	472635 110101
2	BGS Recorded Mineral Sites Site Name: Castle Road Clay Pit Location: Red Hill, Rowlands Castle, Havant, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 153530 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeocene Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	D1SW (SW)	296	1	472520 110348
3	BGS Recorded Mineral Sites Site Name: The Forest Gravel Pits Location: Rowlands Castle, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162771 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Head Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	D1NE (NW)	631	1	472787 110549
4	BGS Recorded Mineral Sites Site Name: Red Hill Chalk Pit Location: Red Hill, Rowlands Castle, Havant, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 153531 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	D1NE (E)	670	1	472982 110436
5	BGS Recorded Mineral Sites Site Name: The Forest Gravel Pits Location: Rowlands Castle, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162772 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Head Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	D1NE (N)	690	1	472804 110623
6	BGS Recorded Mineral Sites Site Name: Red Hill Brick & Tile Works Location: Red Hill, Rowlands Castle, Havant, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 153532 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeocene Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	D2NW (E)	792	1	473203 110392

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	BGS Recorded Mineral Sites Site Name: Red Hill Brick & Tile Works Location: Rowlands Castle, Havant, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 153534 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeocene Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	D2SW (E)	849	1	473335 110305
8	BGS Recorded Mineral Sites Site Name: Deerlean Chalk Pit Location: Rowlands Castle, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 162770 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Tarrant Chalk Member Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	D2NW (E)	981	1	473288 110579
	Coal Mining Affected Areas In an area which may not be affected by coal mining				
	Man Made Mining Cavities Cavity Type: Historical Brick and Tile Works/Extensive Clay Pits-Potential Chalk Mining Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology No Details Detail:	D1SW (SW)	269	2	472600 110200
	Man Made Mining Cavities Cavity Type: Historical Brick and Tile Works/Extensive Clay Pits-Potential Chalk Mining Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology No Details Detail:	D2NW (E)	873	2	473300 110400
	Natural Cavities Cavity Type: Swallow Hole x 9 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Head Detail:	D1NE (NW)	522	2	472812 110512
	Natural Cavities Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Head Detail:	D1NW (NW)	572	2	472560 110670
	Natural Cavities Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Head Detail:	D1NW (NW)	581	2	472520 110700
	Natural Cavities Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Head Detail:	D1NW (NW)	587	2	472620 110650
	Natural Cavities Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Head Detail:	D1NE (NW)	592	2	472690 110600
	Natural Cavities Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Head Detail:	D1NW (NW)	595	2	472660 110630

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Head Detail:	D1NE (NW)	599	2	472710 110590
	Natural Cavities Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Head Detail:	D5SW (NW)	607	2	472460 110750
	Natural Cavities Cavity Type: Unknown x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Head Detail:	D1NE (SE)	631	2	472870 110460
	Natural Cavities Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group Superficial Geology Head Detail:	D5SW (NW)	634	2	472450 110780
	Natural Cavities Cavity Type: Sinkhole x 1, Swallow Hole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Head Detail:	D1NE (SE)	653	2	473000 110400
	Natural Cavities Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Head Detail:	D5SW (NW)	658	2	472430 110810
	Natural Cavities Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Head Detail:	D5SW (NW)	684	2	472370 110870
	Natural Cavities Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Head Detail:	D5SW (NW)	690	2	472350 110900
	Natural Cavities Cavity Type: Swallow Hole Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Head Detail:	D5SW (NW)	700	2	472400 110860
	Natural Cavities Cavity Type: Sinkhole x 1, Solution Pipe x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Head Detail:	D1NE (NE)	817	2	473000 110600
	Non Coal Mining Areas of Great Britain Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service	D1SE (S)	0	1	472713 110039
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	D1NE (NW)	0	1	472835 110490

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1899	D1NE (SE)	596	-	472912 110410
10	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1899	D1NE (N)	598	-	472838 110504
11	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1914	D2NW (E)	855	-	473137 110549
12	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	D1SE (S)	155	-	472816 110324
13	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	D1NE (SE)	596	-	472912 110410
14	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	D1NE (N)	598	-	472838 110504
15	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	D2NW (E)	656	-	473107 110450
16	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	D2NW (E)	855	-	473137 110549
17	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	D2SE (E)	997	-	473554 110223
18	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	D2NW (E)	950	-	473291 110529

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
19	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1NE (NW)	0	1	472835 110490
20	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	472835 110000
21	Potential for Collapsible Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(S)	225	1	472629 109569
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1NE (NW)	0	1	472835 110490
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	472835 110000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	472835 110000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1NE (SW)	0	1	472769 110404
22	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1NE (NW)	0	1	472835 110490
23	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	472835 110000
24	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1NE (NW)	0	1	472835 110490
25	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	472835 110000
26	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	472780 110000
27	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D1SE (S)	0	1	472713 110039
28	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(S)	225	1	472629 109569
29	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	471780 110484
30	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	472780 110000
31	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D1SE (S)	0	1	472713 110039
32	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D1NE (NW)	0	1	472835 110490
33	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	471706 109669

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(S)	216	1	472835 110000
	Subsidence Investigations Site Investigation Date: 30th June 2003 Root Survey: No CCTV Drain Survey: Yes Depth of Foundation: Not Supplied Footing: Not Supplied Soil Classification: Not Supplied			-	
	Subsidence Investigations Site Investigation Date: 31st August 2011 Root Survey: No CCTV Drain Survey: No Depth of Foundation: Not Supplied Footing: Not Supplied Soil Classification: Not Supplied			-	
	Subsidence Investigations Site Investigation Date: 4th April 2007 Root Survey: No CCTV Drain Survey: No Depth of Foundation: Not Supplied Footing: Not Supplied Soil Classification: Not Supplied			-	
	Subsidence Insurance Claims Case Date: 4th February 2015 Movement Trend: Not Supplied Indication: Not Supplied Damage Classification: Not Supplied			-	

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

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	SU7210	1970
Ordnance Survey Plan	SU7310	1970

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

1:10,560	Mapsheet	Published Date
Sussex	047_00	1880
Hampshire & Isle Of Wight	068_00	1880
Hampshire & Isle Of Wight	068_SE	1898
Sussex	047_NW	1899
Sussex	047_SW	1899
Hampshire & Isle Of Wight	068_SE	1909
Sussex	047_NW	1914
Sussex	047_SW	1914
Hampshire & Isle Of Wight	068_SE	1931
Ordnance Survey Plan	SU71SE	1962
Ordnance Survey Plan	SU71SW	1962
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SU71SE	1973
Ordnance Survey Plan	SU71SW	1992

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2018	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Peter Brett Associates	October 2018	Bi-Annually
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Natural Cavities Peter Brett Associates	October 2018	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features Landmark Information Group Limited	March 2019	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Subsidence Insurance Claims SP Property Services	October 2018	Quarterly
Subsidence Investigations CET Structures Ltd	July 2018	Quarterly
Brine Subsidence Solution Area Johnson Poole & Bloomer	January 2015	Annual Rolling Update

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	 The Coal Authority
Ove Arup	
Peter Brett Associates	
Wardell Armstrong	 wardell armstrong your earth our world
Johnson Poole & Bloomer	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Peter Brett Associates Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN	Telephone: 0118 950 0761 Fax: 0118 959 7498 Email: reading@pba.co.uk Website: www.pba.co.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



Historical Land Use Information (1:2,500)

General

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

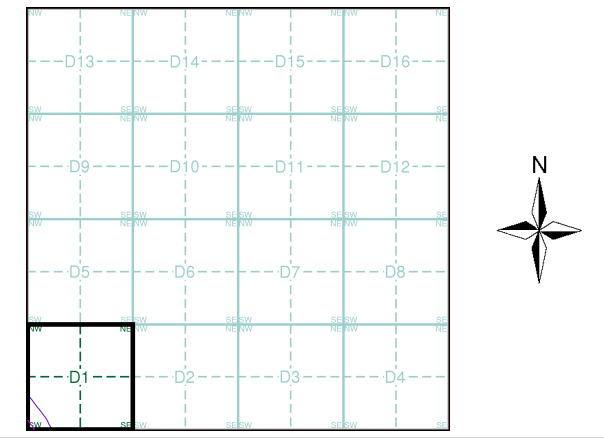
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	■
Extractive Industries Activity from 1893 - 1915	▲	—	■
Extractive Industries Activity from 1906 - 1937	▲	—	■
Extractive Industries Activity from 1924 - 1949	▲	—	■
Extractive Industries Activity from 1950 - 1980	▲	—	■

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	---	■

Mining and Ground Stability - Segment D1



Order Details

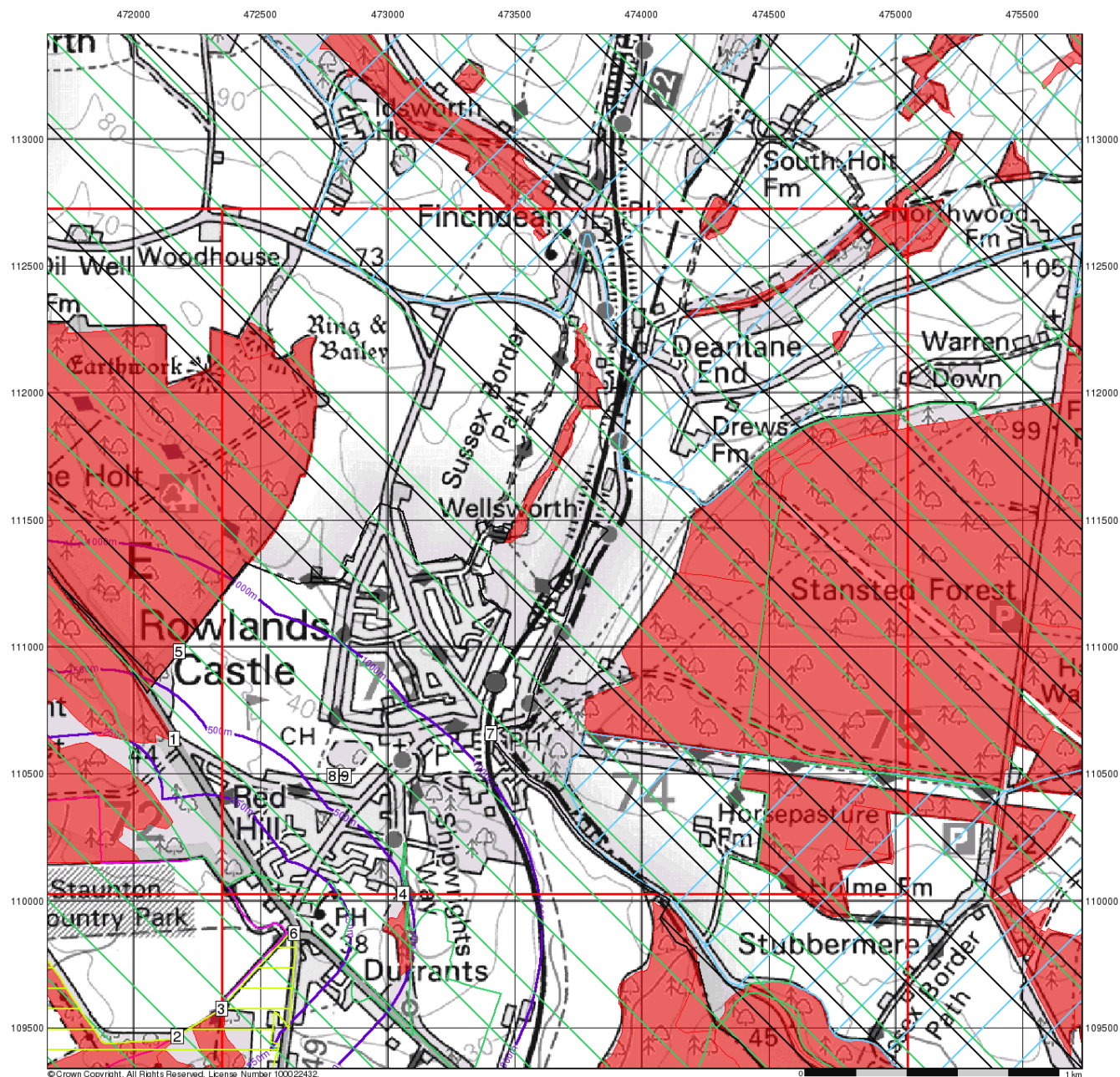
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Customer Ref: 5169117
National Grid Reference: 472830, 110490
Slice: D
Site Area (Ha): 172.43
Plot Buffer (m): 100

Site Details

Site at 472000, 110000

Landmark
INFORMATION GROUP

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



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Ecology

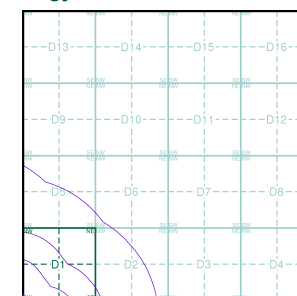
General

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

Ecology

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

Ecology - Slice D



Order Details

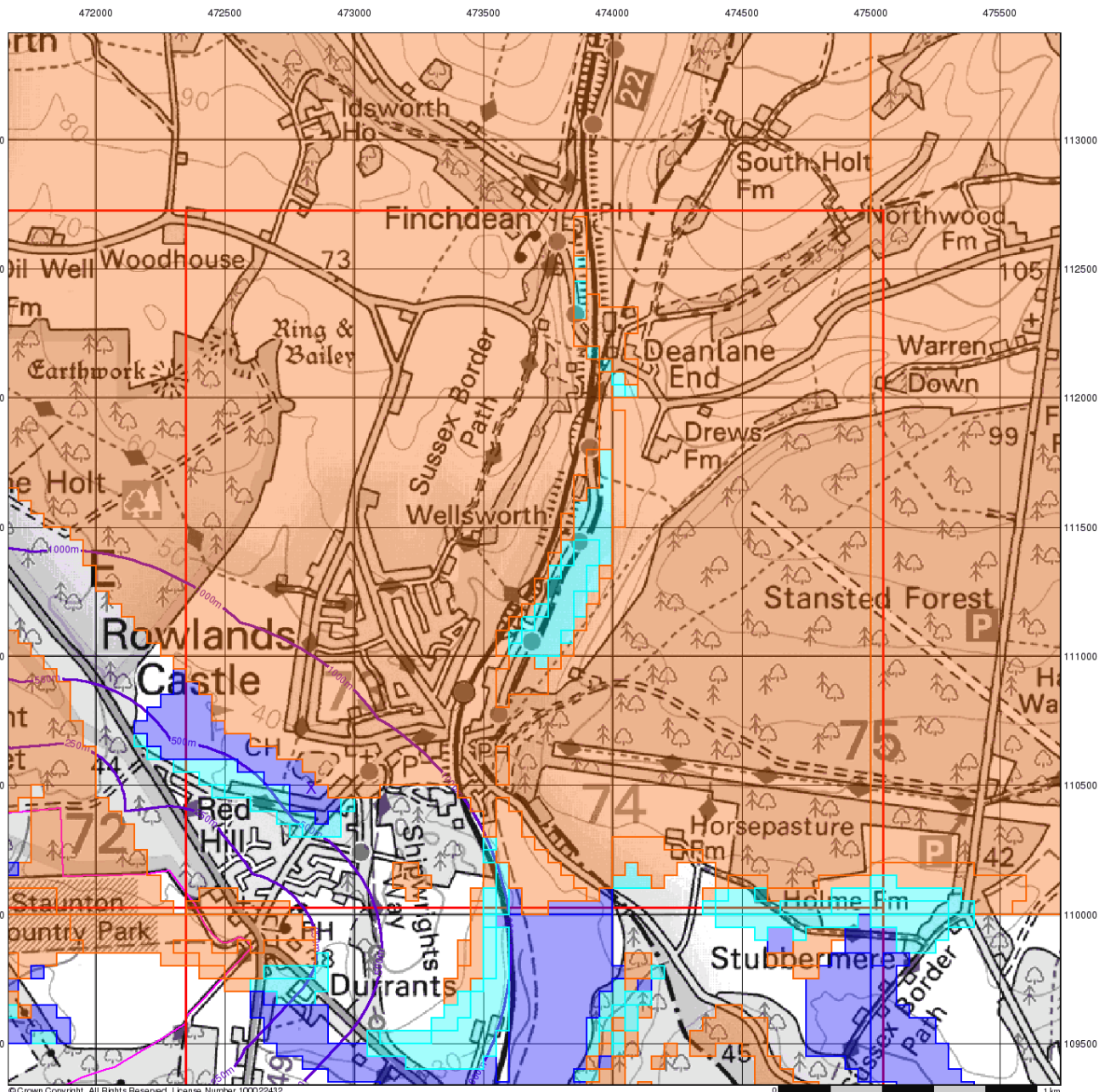
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 Customer Ref: 5169117
 National Grid Reference: 472830, 110490
 Slice: D
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

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Water and Hydrology

General

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

Groundwater Flooding Susceptibility

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

Groundwater Flooding Susceptibility - Slice D



Order Details

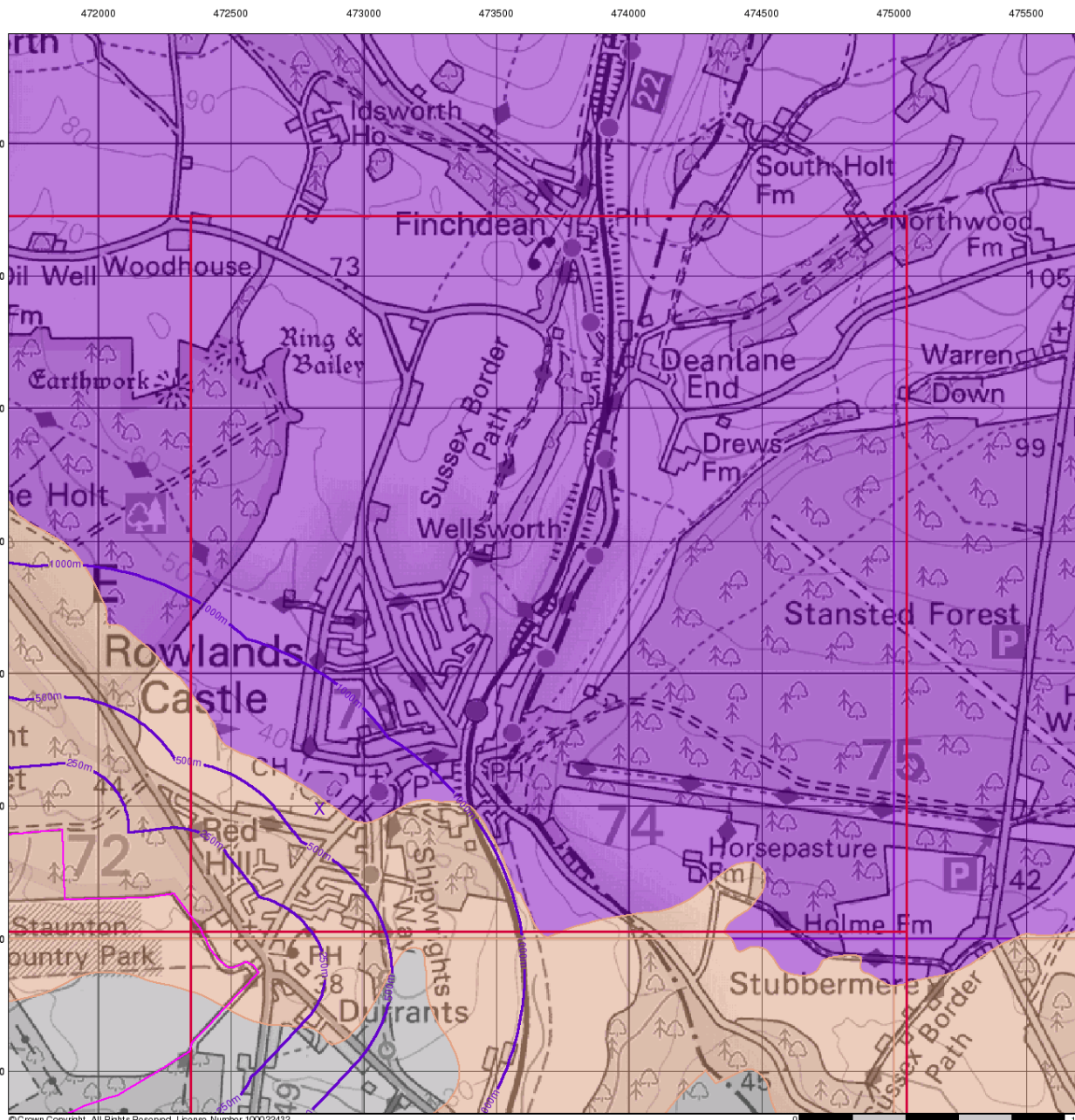
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 Customer Ref: 5169117
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 Slice: D
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

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0 1 km

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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 D



Order Details

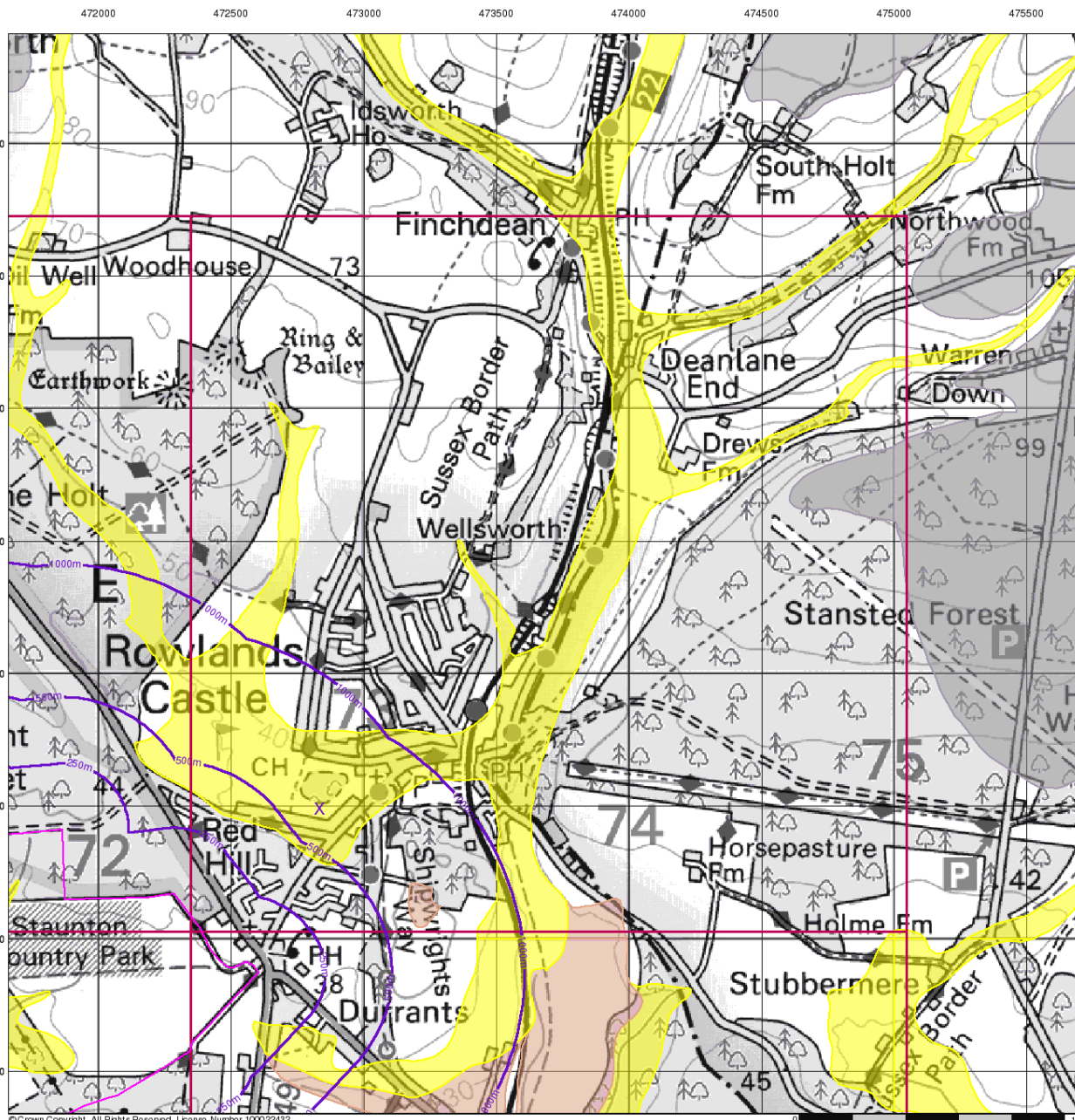
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 Site Area (Ha): 172.43
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Water and Hydrology

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 D



Order Details

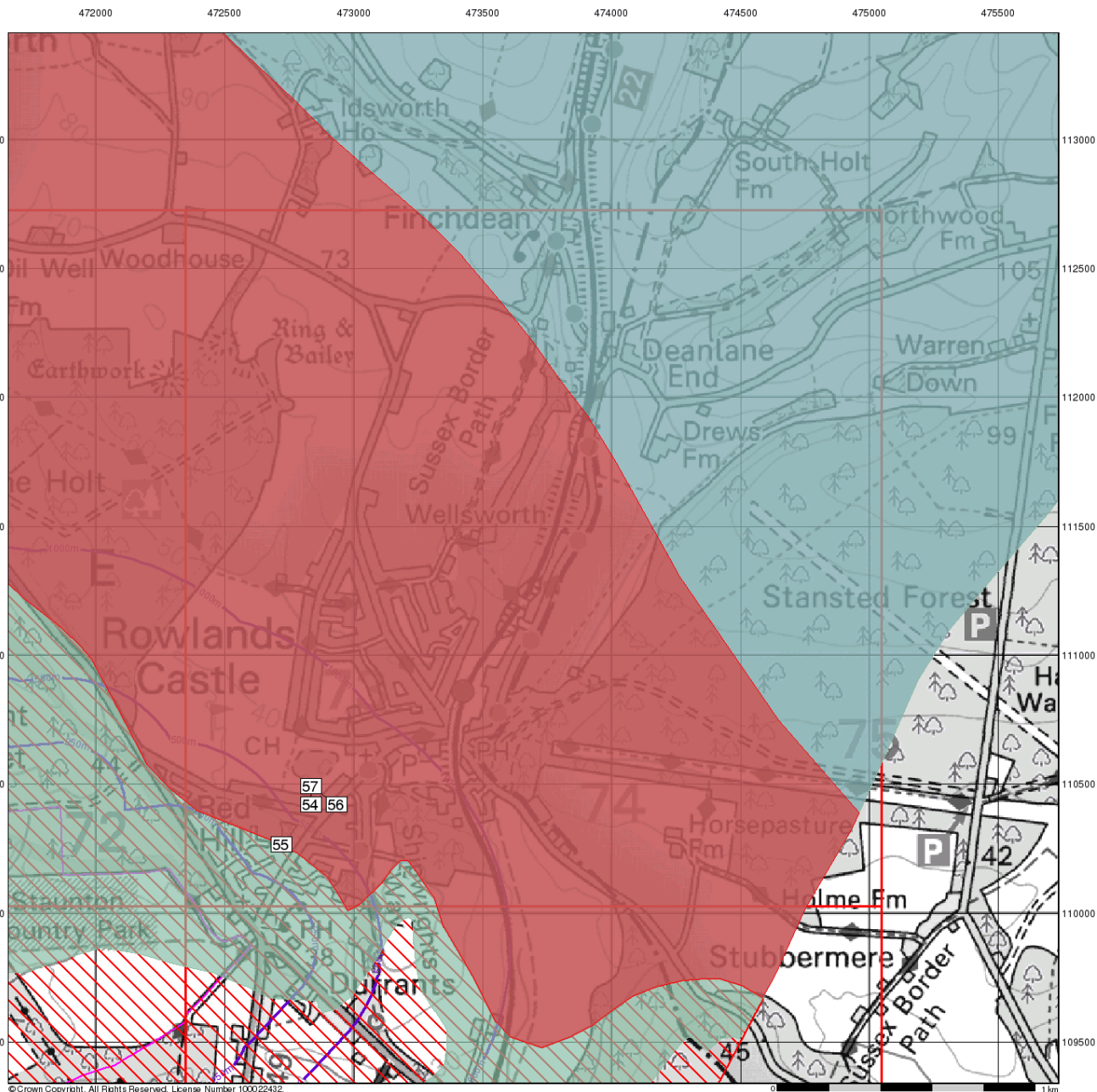
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 Customer Ref: 5169117
 National Grid Reference: 472830, 110490
 Slice: D
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

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Water and Hydrology

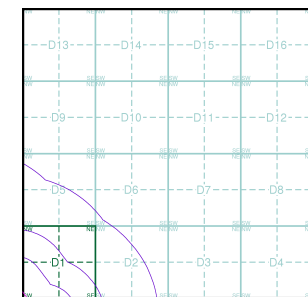
General

- 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 D



Order Details

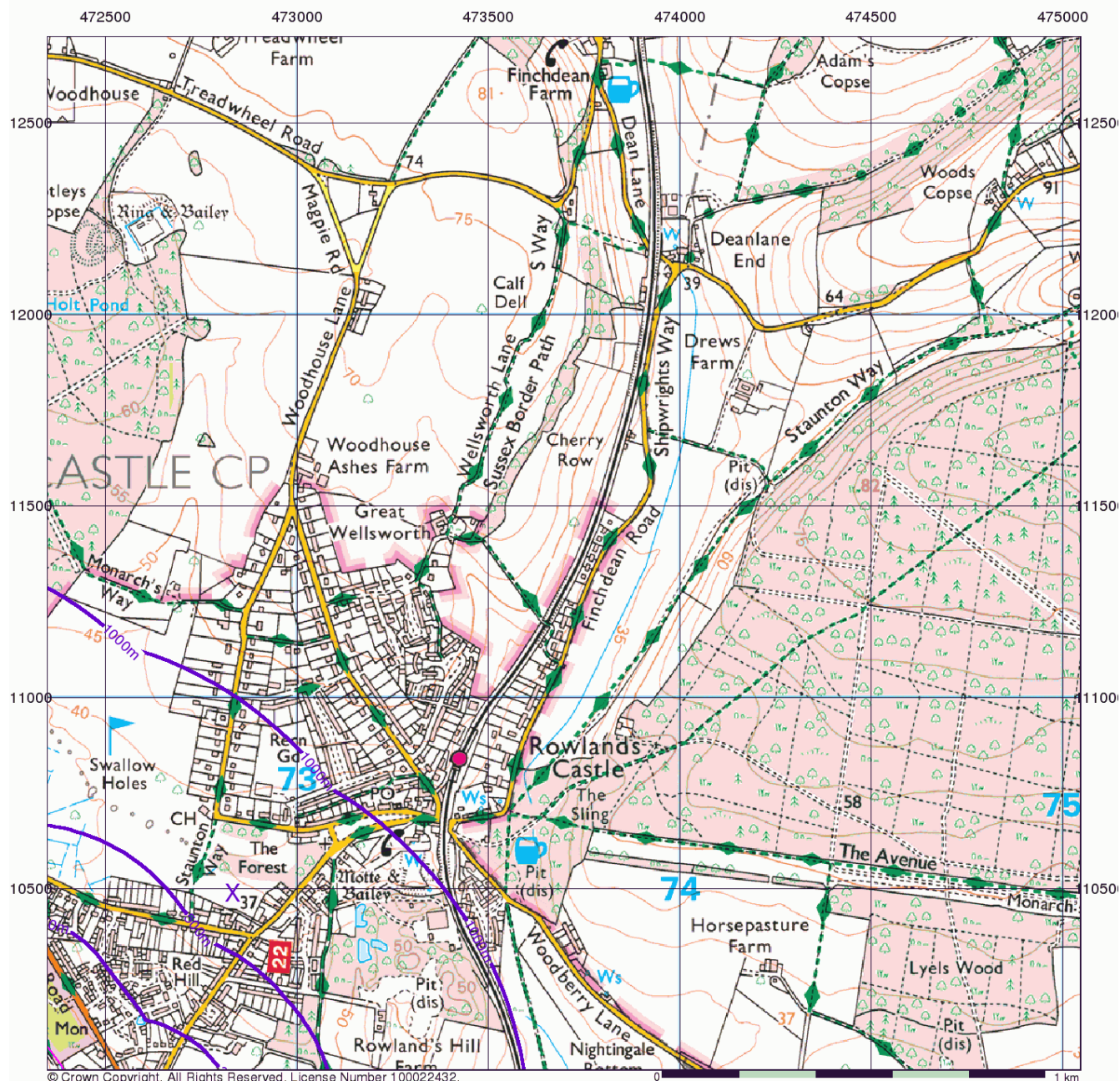
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 Customer Ref: 5169117
 National Grid Reference: 472830, 110490
 Slice: D
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

Site at 472000, 110000

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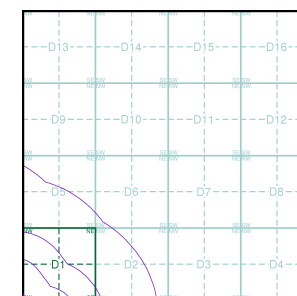
ATKINS

Site Location

General

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

Site Location - Slice D



Order Details

Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472830, 110490
 Slice: D
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

Site at 472000, 110000

Landmark
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OS Explorer Map / 1:25 000 Scale Colour Raster

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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			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:

472830, 110490

Slice:

D

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	-
Data Currency	9
Data Suppliers	11
Useful Contacts	12

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	3		2	
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		3		
Scheduled Monuments	pg 2				1
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 3	Yes	n/a	n/a	n/a
OS Water Network Lines	pg 4		1	21	16
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Historic Flood Events	pg 8		Yes	n/a	n/a
Source Protection Zones	pg 8	2		2	
Visual and Landscape					
Historic Parks, Gardens and Designed Landscapes					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Ancient Woodland Name: Forest Of Bere Reference: 1490469 Area(m²): 989948.26 Type: Plantation on Ancient Woodland	(W)	0	1	472159 110638
2	Ancient Woodland Name: Not Supplied Reference: 1490508 Area(m²): 145244.95 Type: Ancient and Semi-Natural Woodland	(SW)	0	1	472172 109466
3	Ancient Woodland Name: Hammonds Lands Copse Reference: 1490539 Area(m²): 57529.77 Type: Ancient and Semi-Natural Woodland	(SW)	0	1	472347 109574
4	Ancient Woodland Name: Not Supplied Reference: 1491063 Area(m²): 13818.48 Type: Ancient and Semi-Natural Woodland	D2SW (SE)	377	1	473061 110028
5	Ancient Woodland Name: The Holt Reference: 1490510 Area(m²): 1261046.78 Type: Plantation on Ancient Woodland	(NW)	450	1	472179 110980
6	Country Parks Name: Staunton Reference: 1421985 Area(m²): 1937416.72	(S)	0	1	472634 109871
7	National Parks Name: South Downs Multiple Area: N Area(m²): 1652679314.3 Source: Natural England Status: Fully Designated - designated as a National Park Designation Date: 2nd November 2009	D2NE (E)	448	1	473406 110658
8	Nitrate Vulnerable Zones Name: Hampshire Chalk Description: Groundwater Source: Environment Agency, Head Office	D1NE (NW)	0	2	472835 110490
9	Nitrate Vulnerable Zones Name: Chichester, Langstone And Portsmouth Harbours Eutrophic Nvz (Trac) Description: Eutrophic Water Source: Environment Agency, Head Office	D1NE (NW)	0	2	472835 110490

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Listed Buildings Name: Autumn House And Woodlands Location: Not Supplied Reference: 1033354 Other Reference: 471786 Grade: Grade II Listed Building Registered Date: 9th December 1998 Source: Historic England Positional Accuracy: Positioned by the supplier	D1SW (SW)	114	3	472494 110072
11	Listed Buildings Name: Commerative Stone Location: Not Supplied Reference: 1351135 Other Reference: 142949 Grade: Grade II Listed Building Registered Date: 16th March 1954 Source: Historic England Positional Accuracy: Positioned by the supplier	D1SW (SW)	147	3	472465 110176
12	Listed Buildings Name: Granary To East Of Redhill House Location: Not Supplied Reference: 1254422 Other Reference: 142948 Grade: Grade II Listed Building Registered Date: 16th June 1986 Source: Historic England Positional Accuracy: Positioned by the supplier	D1SW (SW)	193	3	472521 110178
13	Scheduled Monuments Name: The Castle Reference: 1001923 Other Reference: HA 124 Area(m²): 10749.51 Source: Historic England Registered Date: Not Supplied	D2NW (E)	906	4	473262 110506

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	(SW)	0	5	471700 109850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	5	471850 110100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	5	471900 110000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	0	5	471800 109800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	5	472500 109800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	5	472835 109900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	5	471700 109650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	5	471750 109650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	0	5	471700 109750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	5	471850 109550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	5	472250 110150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D1SE (S)	0	5	472750 110050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	5	472800 110000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	5	471700 109700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	0	5	471900 109600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(W)	0	5	471700 110200
	Bedrock Aquifer Designations Aquifer Desination: Secondary Aquifer - A	(S)	0	2	472835 110000
	Bedrock Aquifer Designations Aquifer Desination: Secondary Aquifer - A	D1NE (NW)	0	2	472835 110490
	Bedrock Aquifer Designations Aquifer Desination: Unproductive Strata	(SE)	0	2	473152 109951
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(SW)	0	2	471818 109797
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(W)	0	2	471700 110217

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	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	(SW)	2	6	472340 110101
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 365.0 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D1NW (W)	358	6	472506 110462
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.1 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D1NW (W)	368	6	472526 110458
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.8 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D1NW (W)	371	6	472384 110560
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.9 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 2	D1NW (W)	374	6	472466 110495
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 420.8 Watercourse Level: Not Supplied Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D1NE (S)	377	6	472824 110398
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.2 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D1NW (W)	383	6	472419 110527
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.2 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 2	D1NW (W)	384	6	472458 110511
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 279.1 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 2	D1NE (W)	384	6	472726 110513

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: Underground Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D1NW (W)	403	6	472384 110560
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 2	D1NW (W)	407	6	472384 110564
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.7 Watercourse Level: Underground Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 2	D1NW (W)	407	6	472373 110566
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 238.0 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 2	D1NW (W)	407	6	472371 110566
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.1 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D1NW (W)	408	6	472395 110597
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.4 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D1NW (W)	429	6	472422 110575
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 216.0 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D1NW (W)	434	6	472402 110618
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: Underground Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D1NW (W)	443	6	472396 110602
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.4 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D1NW (W)	447	6	472402 110618

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D1NW (W)	465	6	472406 110617
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: Underground Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D1NW (W)	465	6	472409 110616
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.3 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D1NW (W)	465	6	472424 110613
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.7 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D1NW (W)	466	6	472433 110637
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.7 Watercourse Level: Underground Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D1NW (NW)	526	6	472352 110698
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.1 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D5SW (NW)	534	6	472374 110706
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.8 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D2SW (SE)	553	6	473025 110232
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.5 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	(NW)	600	6	472344 110770
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.2 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D1NE (NW)	604	6	472780 110549

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.1 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D1NE (SE)	616	6	472939 110401
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.4 Watercourse Level: Underground Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D5SW (NW)	627	6	472348 110809
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.1 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D5SW (NW)	628	6	472360 110805
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.4 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D5SW (NW)	644	6	472361 110864
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 651.9 Watercourse Level: Underground Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D1NE (SE)	665	6	472988 110425
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: Underground Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D5SW (NW)	673	6	472363 110863
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.1 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D5SW (NW)	674	6	472383 110854
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D5SW (NW)	679	6	472383 110854
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D5SW (NW)	682	6	472386 110849

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D5SW (NW)	683	6	472386 110857
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Watercourse Name: Not Supplied Permanent: True Catchment Name: East Hampshire Primacy: 1	D5SW (NW)	687	6	472389 110858
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Flood Defences None				
	Flood Water Storage Areas None				
52	Historic Flood Events Flood Event Type: Historic Flood Event - Fluvial Flooding Cause: Groundwater/High Water Table Source: Environment Agency, Head Office Flood Event Start Date: 1st November 2000 Flood Event End Date: 1st March 2001	D1SW (SW)	143	7	472659 110076
53	Historic Flood Events Flood Event Type: Historic Flood Event - Fluvial Flooding Cause: Groundwater/High Water Table Source: Environment Agency, Head Office Flood Event Start Date: 1st November 2000 Flood Event End Date: 1st March 2001	D1SW (SW)	225	7	472652 110134
54	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.	D1NE (NW)	0	7	472835 110490
55	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.	D1SE (SW)	0	7	472720 110264
56	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.	D1NE (NW)	254	7	472835 110490
57	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.	D1NE (NW)	254	7	472835 110490

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
Scheduled Monuments Historic England	July 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	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
5	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
6	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
7	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.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

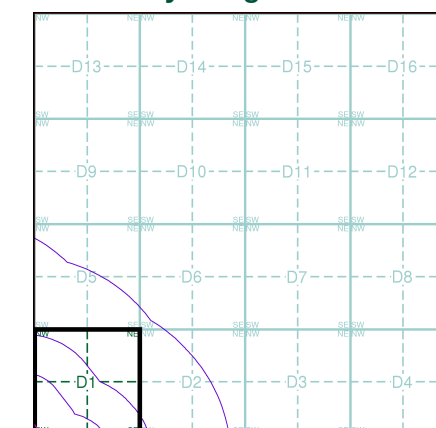
Heritage

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

Visual and Landscape

- Historic Parks, Gardens and Designed Landscapes

Site Sensitivity - Segment D1

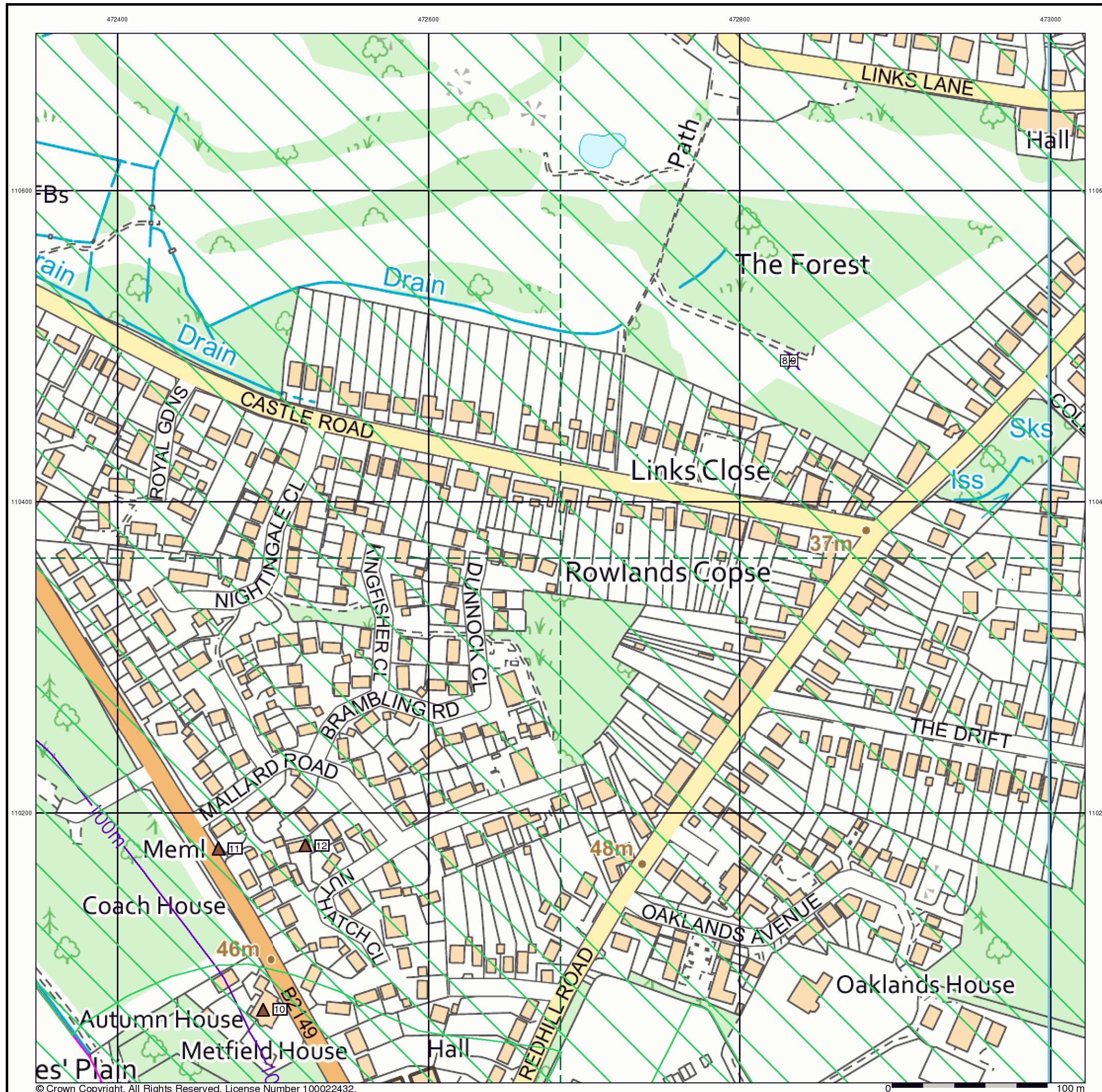


Order Details

Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472830, 110490
 Slice: D
 Site Area (Ha): 172.43

Site Details

Site at 472000, 110000



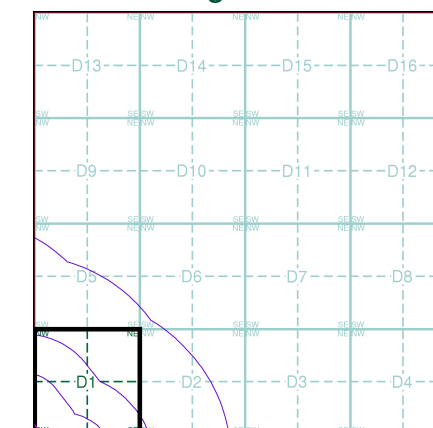
Aerial Photo

General

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

Published Date(s):
2018

Aerial Photo - Segment D1



Order Details

Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472830, 110490
Slice: D
Site Area (Ha): 172.43

Site Details

Site at 472000, 110000



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 - Slice D

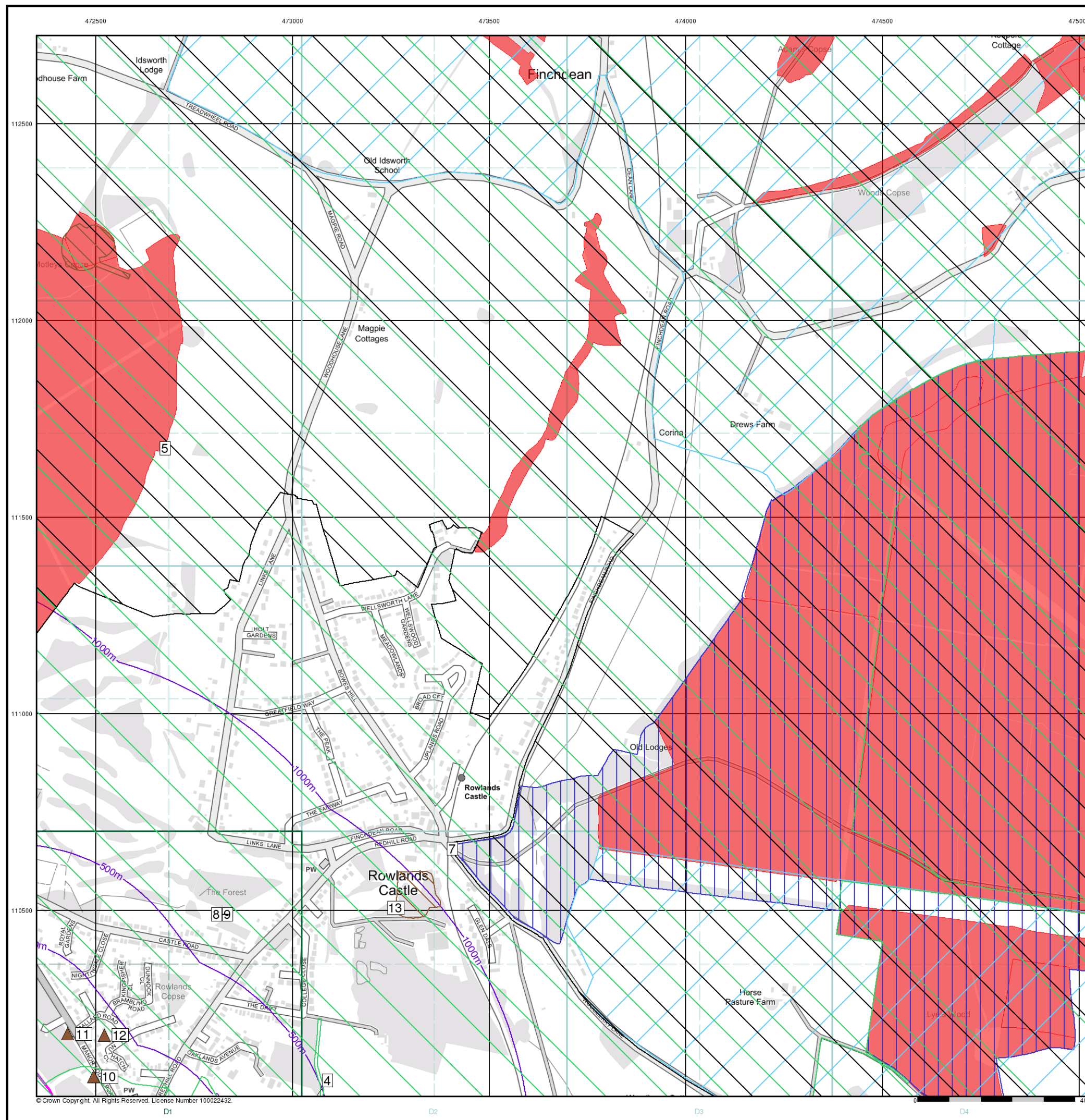


Order Details

Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472830, 110490
 Slice: D
 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

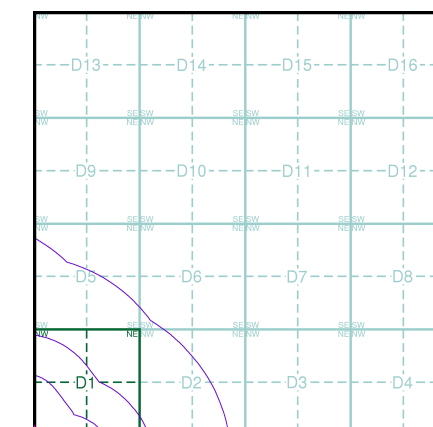
Flood

- 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 D

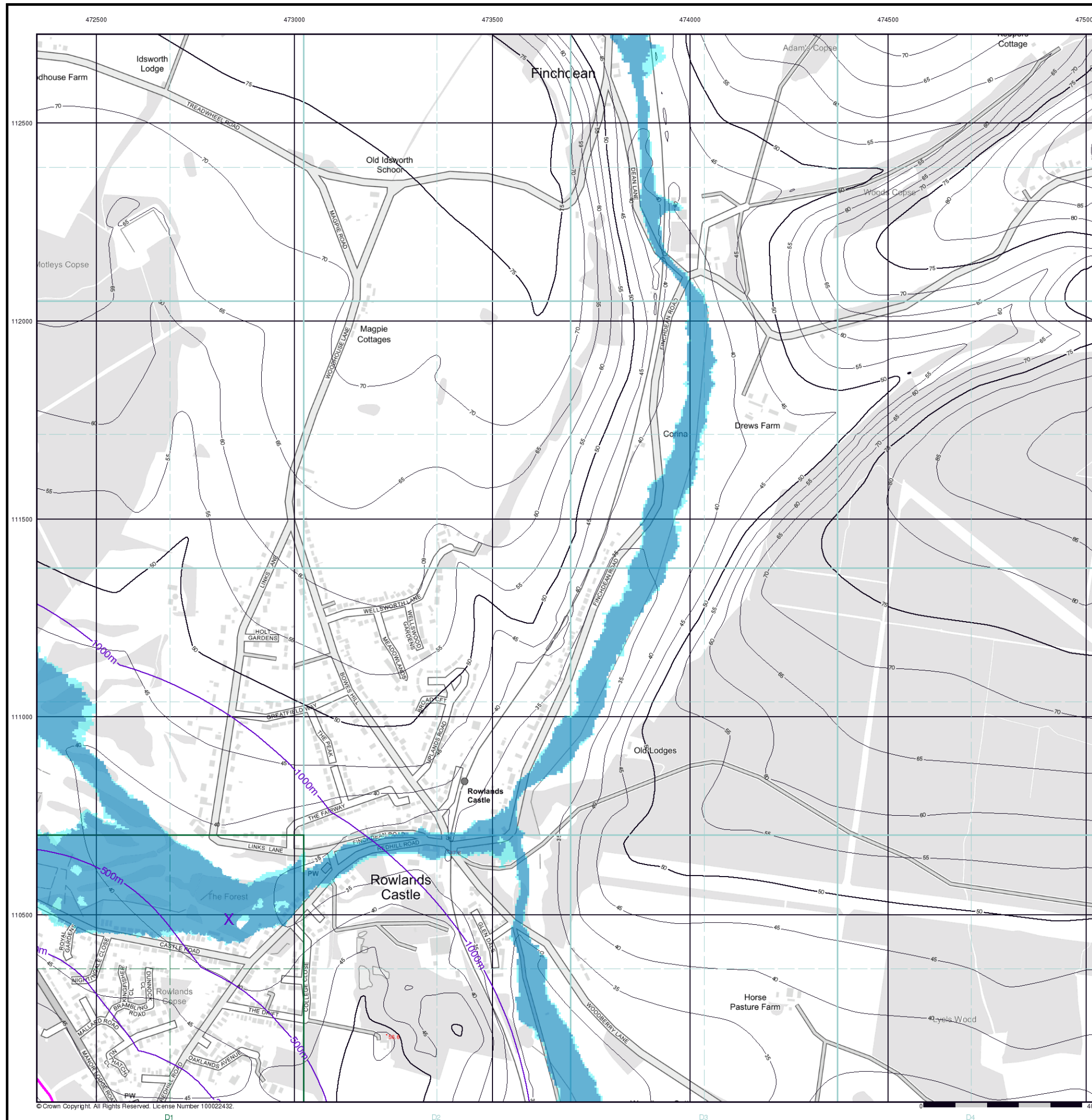


Order Details

Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472830, 110490
 Slice: D
 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 105 100 95
- Master Contour 100 95
- Spot Height 167.3
- MLW Mean Low Water
- MHW Mean High Water

OS Water Network - Slice D

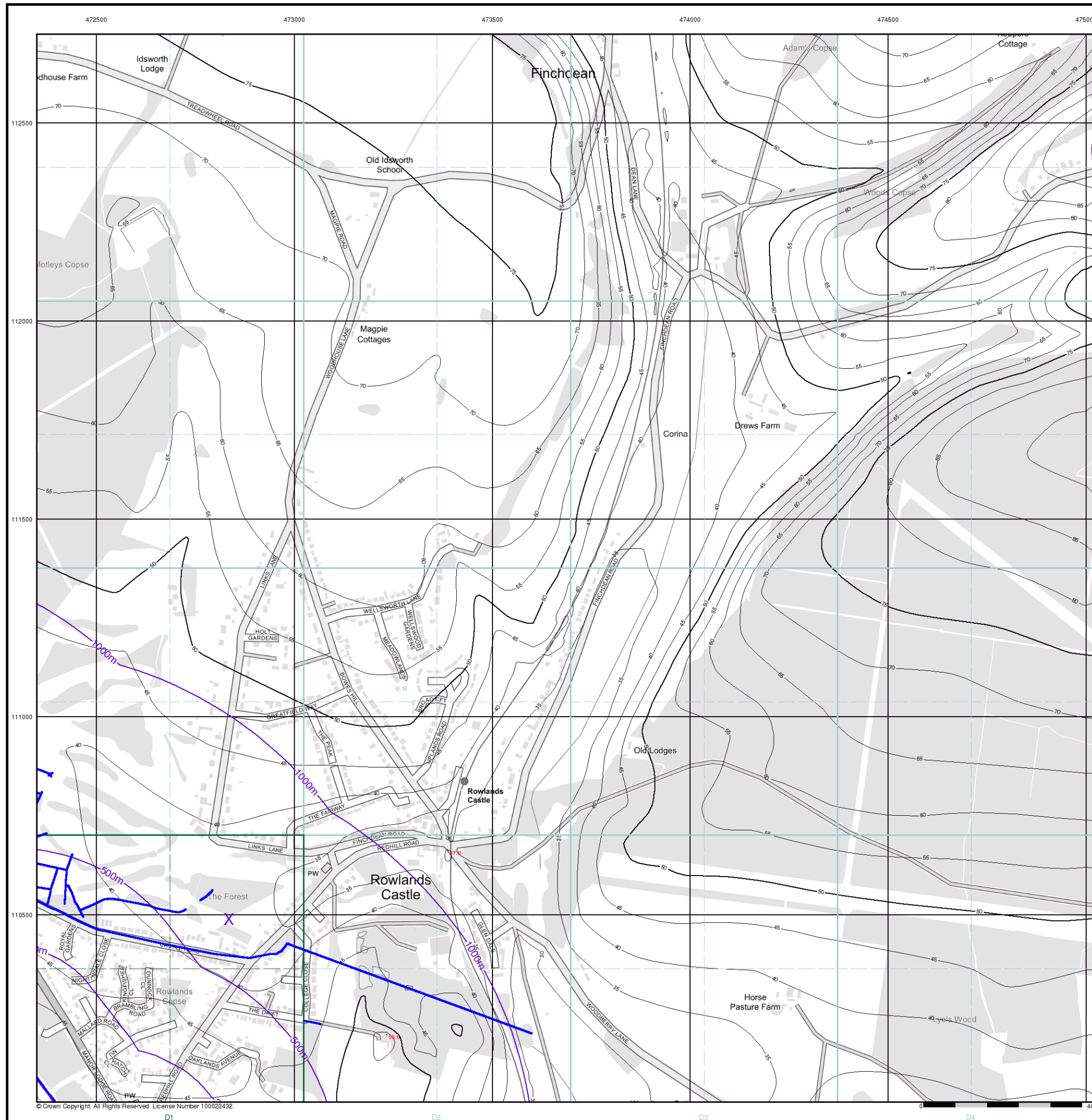


Order Details

Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472830, 110490
 Slice: D
 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
- Map ID

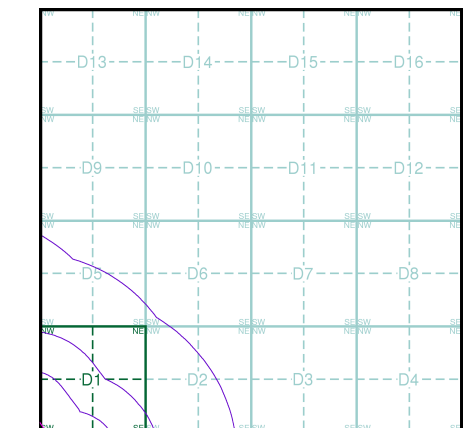
Historic Flood

- 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 D

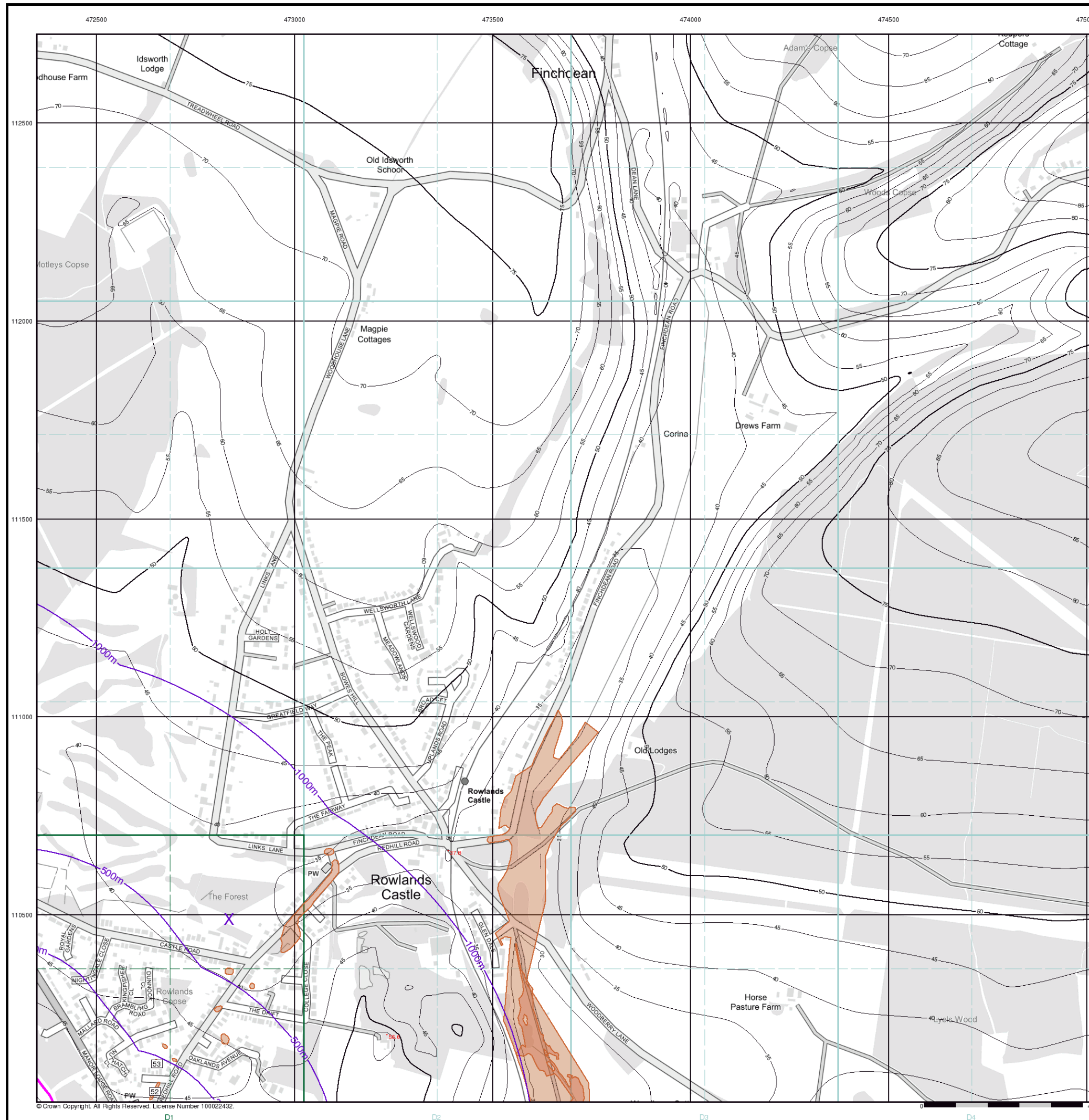


Order Details

Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472830, 110490
 Slice: D
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

Site at 472000, 110000



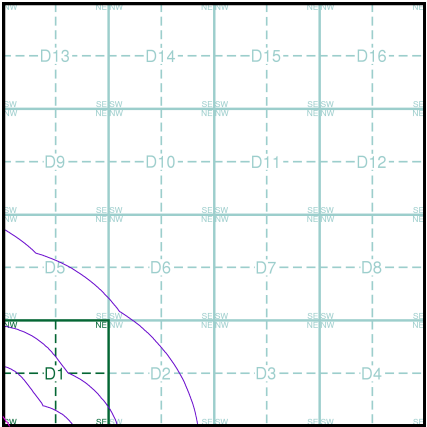
Aerial Photo

General

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

Published Date(s):
2018

Aerial Photo - Slice D



Order Details

Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472830, 110490
Slice: D
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details

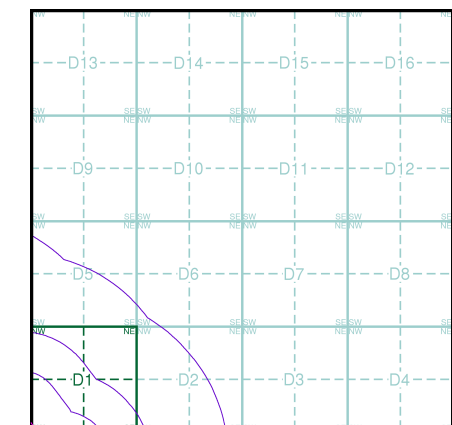
Site at 472000, 110000

Site Location

General

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

Site Location - Slice D



Order Details

Order Number: 202069335_1_1
 Customer Ref: 5169117
 National Grid Reference: 472830, 110490
 Slice: D
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details

Site at 472000, 110000



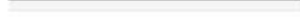
OS VectorMap® Local

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

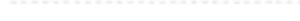
Surface heights are in metres above mean sea level

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

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
	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
	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
	NCK	Newhaven Chalk Formation	Chalk	Not Supplied - Santonian
		Faults		

ATKINS

Geology 1:50,000 Maps

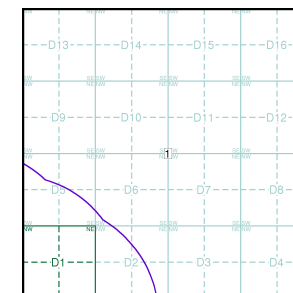
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published 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 D



Order Details:

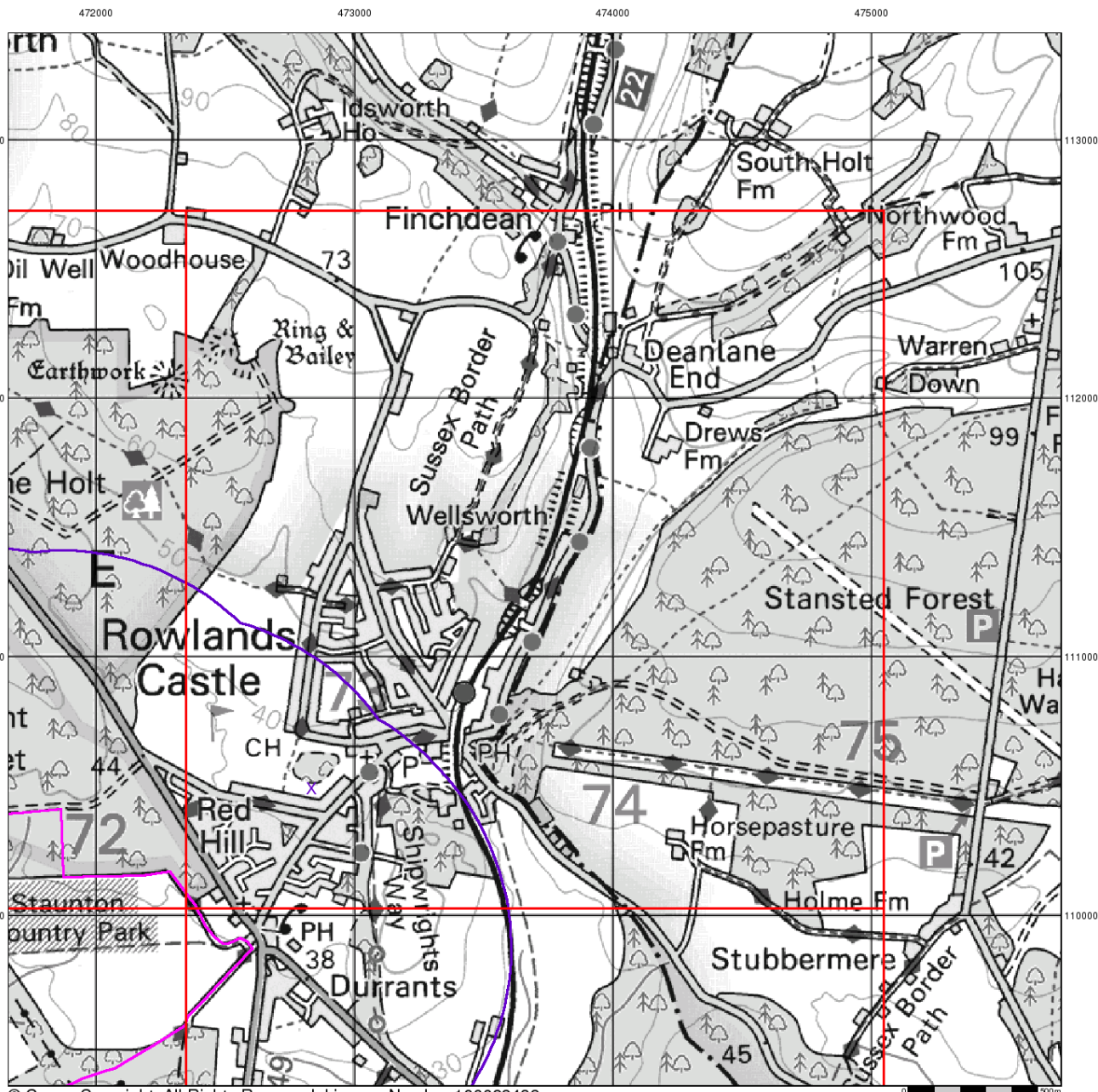
Order Number:	202069335_1_1
Customer Reference:	5169117
National Grid Reference:	472830, 110490
Slice:	D
Site Area (Ha):	172.43
Search Buffer (m):	1000

Site Details:

Site at 472000, 110000

Landmark
INFORMATION GROUP

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



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ATKINS

Artificial Ground and Landslip

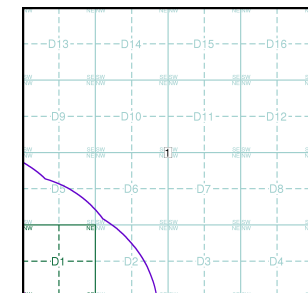
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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



Order Details:

Order Number: 202069335_1_1
 Customer Reference: 5169117
 National Grid Reference: 472830, 110490
 Slice: D
 Site Area (Ha): 172.43
 Search Buffer (m): 1000

Site Details:

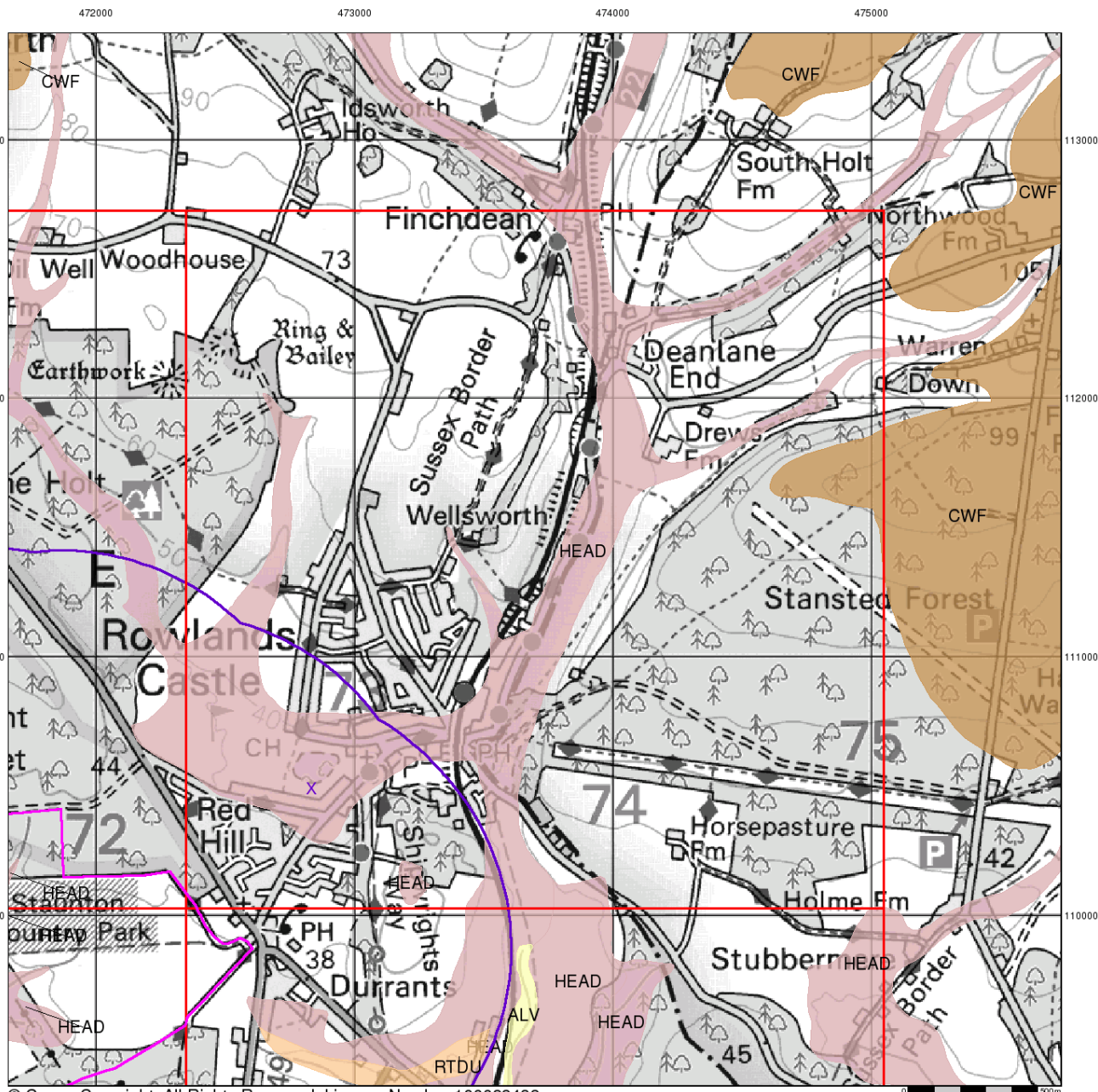
Site at 472000, 110000

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Page 2 of 5



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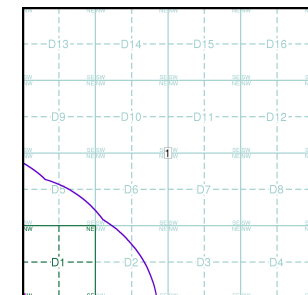
Superficial Geology

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 D



Order Details:

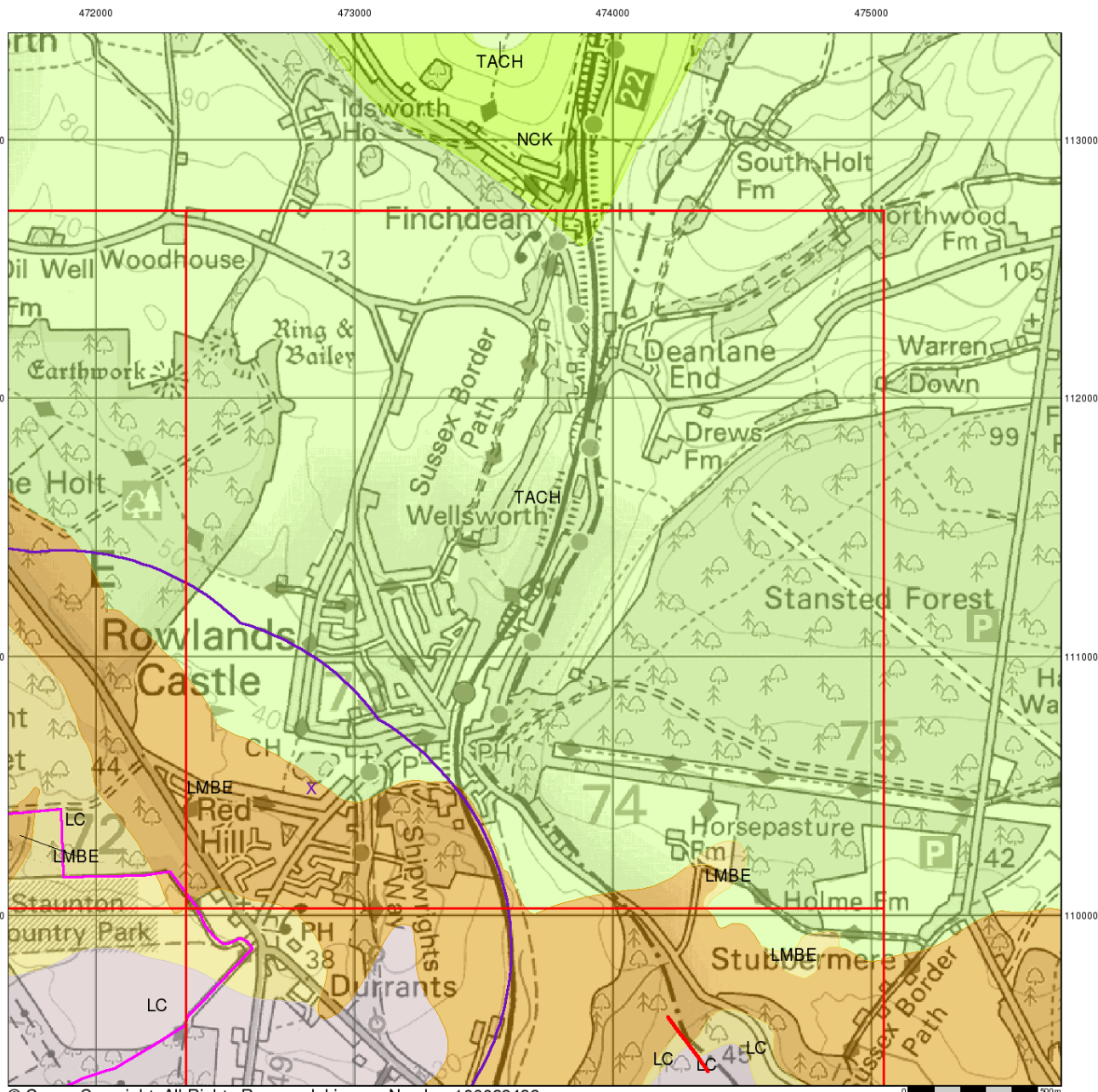
Order Number: 202069335_1_1
Customer Reference: 5169117
National Grid Reference: 472830, 110490
Slice: D
Site Area (Ha): 172.43
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Site Details:

Site at 472000, 110000

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Web: www.ernirocheck.co.uk



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ATKINS

Bedrock and Faults

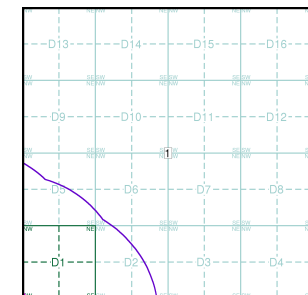
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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 D



Order Details:

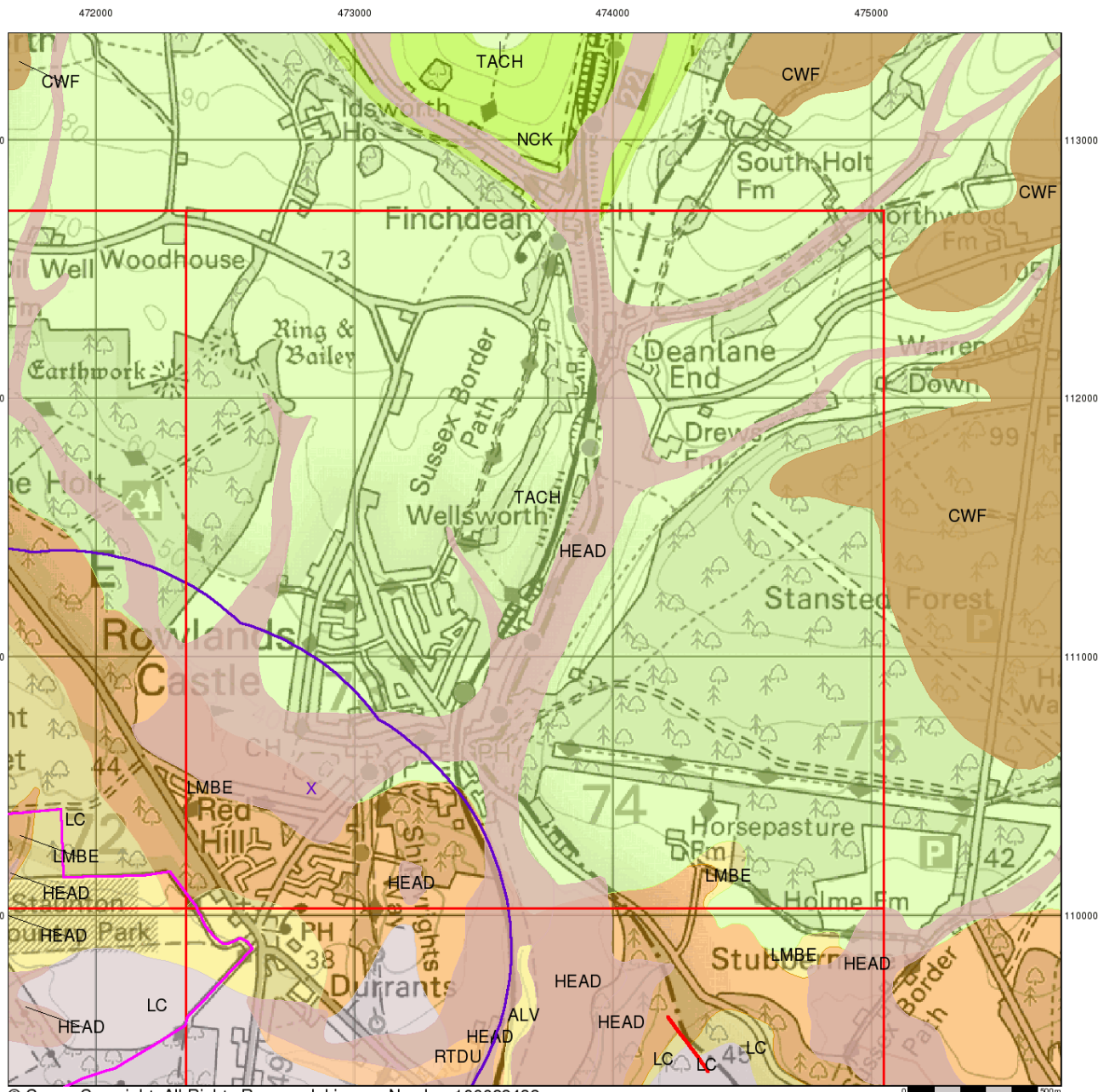
Order Number: 202069335_1_1
 Customer Reference: 5169117
 National Grid Reference: 472830, 110490
 Slice: D
 Site Area (Ha): 172.43
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Site Details:

Site at 472000, 110000

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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.

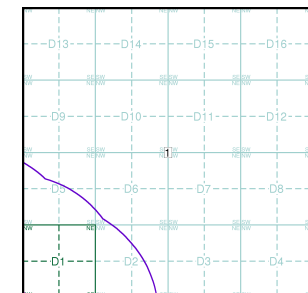
Additional Information

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 D



Order Details:

Order Number:	202069335_1_1
Customer Reference:	5169117
National Grid Reference:	472830, 110490
Slice:	D
Site Area (Ha):	172.43
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Site at 472000, 110000

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INFORMATION GROUP

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

v15.0 29-Apr-2019

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

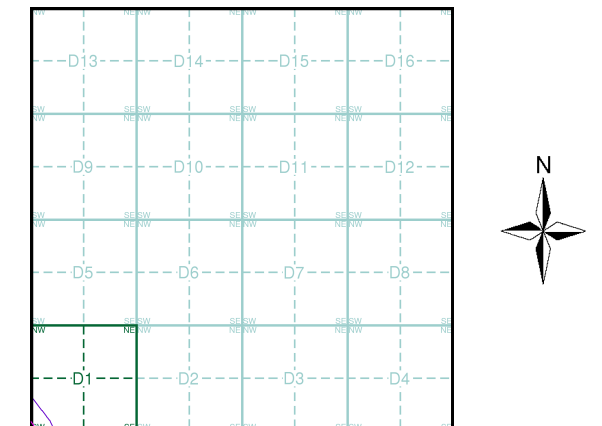
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, 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	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	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	11
Hampshire & Isle Of Wight	1:10,560	1931	12
Historical Aerial Photography	1:10,560	1947	13
Ordnance Survey Plan	1:10,000	1962	14
Ordnance Survey Plan	1:10,000	1973	15
Ordnance Survey Plan	1:10,000	1973	16
Ordnance Survey Plan	1:10,000	1982	17
Havant	1:25,000	1983	18
Ordnance Survey Plan	1:10,000	1992	19
10K Raster Mapping	1:10,000	2000	20
10K Raster Mapping	1:10,000	2006	21
VectorMap Local	1:10,000	2019	22

Historical Map - Slice D



Order Details

Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472830, 110490
Slice: D
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

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Fireproof Building Prominent Fireproof Building

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

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

Power Station, drawn to scale Hydroelectric Power Station

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

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

Pit Oil Deposit or Well Oil Seepage

Tailings Pile Fuel Storage Tanks Natural Gas Tank

Bench Mark Drill Hole Burial Mound Triangulation Point on Burial Mound

Single-track Railroad Double-track Railroad and Station Building

Coniferous Forest Deciduous Forest Mixed Forest

Lawns Citrus Orchard Wet Ground Scattered Vegetation

243.8 Values for prominent elevations

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

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

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

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

А а (A)	З з (Z)	П п (P)	Ч ч (CH)
Б б (B)	И и (I)	Р р (R)	Ш ш (SH)
В в (V)	Й й (Y)	С с (S)	Щ щ (SHCH)
Г г (G)	К к (K)	Т т (T)	Ъ (-)
Д д (D)	Л л (L)	У у (U)	Ы (Y)
Е е (E)	М м (M)	Ф ф (F)	Ь (')
Ё ё (YO)	Н н (N)	Х х (KH)	Э э (E)
Ж ж (ZH)	О о (O)	Ц ц (TS)	Ю ю (YU or IU)
			Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Partly Demolished Buildings Demolished Buildings

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

Individual Fireproof Building Prominent Industrial Building

Individual Dwelling, Fireproof Ruins of an Individual Dwelling

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

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

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

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

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

Bench Mark Bench Mark (monumented) Telegraph Office Telephone Station

Radio Station Radio Tower Airfield or Seaplane Base Landing Strip

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

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

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

Well Water Reservoir or Rain Water Pit Spring Isobath with value

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

Coniferous Deciduous Mixed Scrub

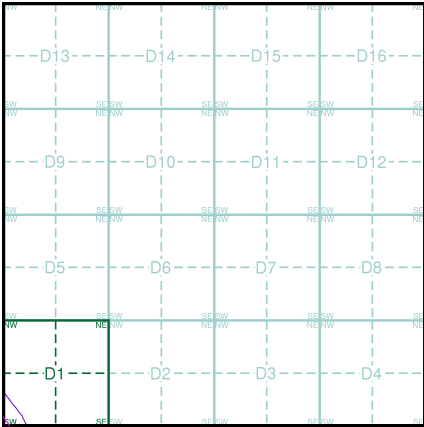
Key to Numbers on Mapping



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10K Raster Mapping	1:10,000	2000	20
10K Raster Mapping	1:10,000	2006	21
VectorMap Local	1:10,000	2019	22

Russian Map - Slice D



Order Details

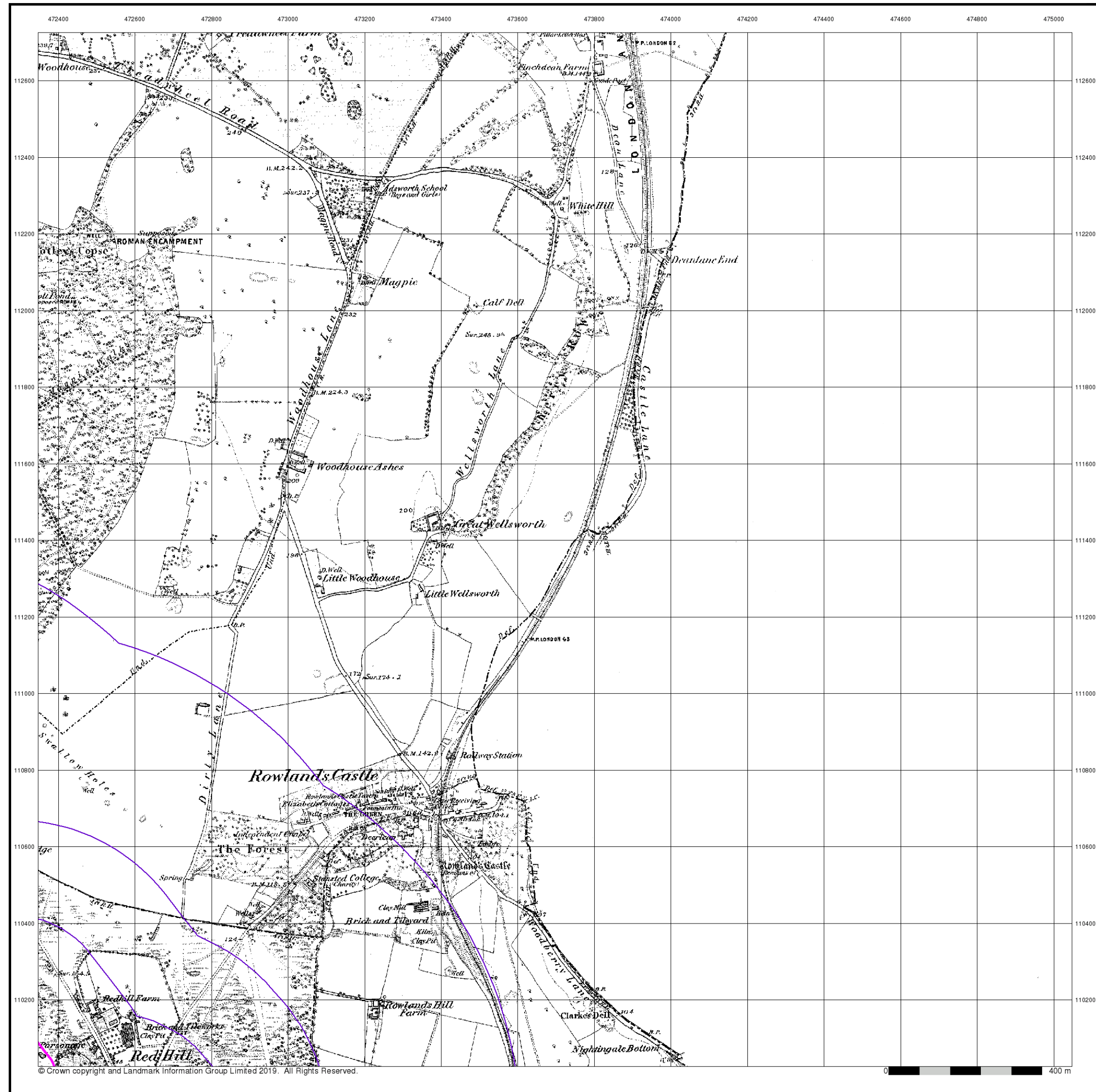
Order Number: 202069335_1_1
Customer Ref: 5169117
National Grid Reference: 472830, 110490
Slice: D
Site Area (Ha): 172.43
Search Buffer (m): 1000

Site Details

Site at 472000, 110000



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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

Historical Map - Slice D

D13D14D15D16D9D10D11D12D5D6D7D8D1D2D3D4

Order Details

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Customer Ref:	5169117
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Site Details

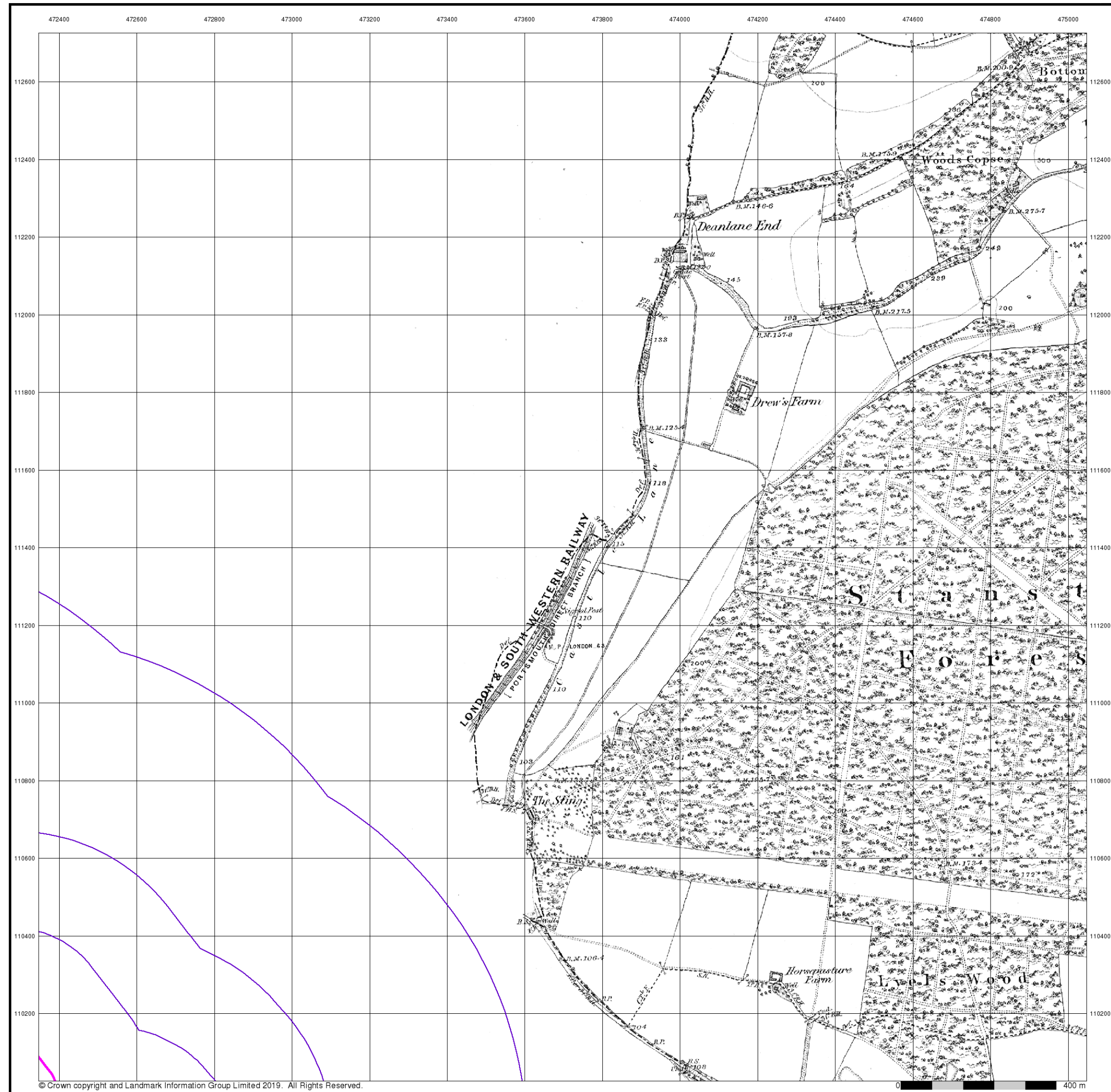
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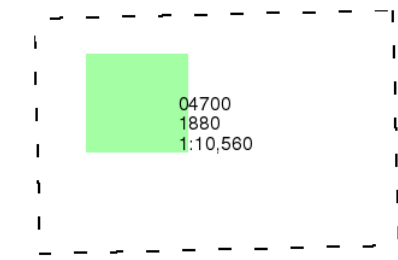
Sussex

Published 1880

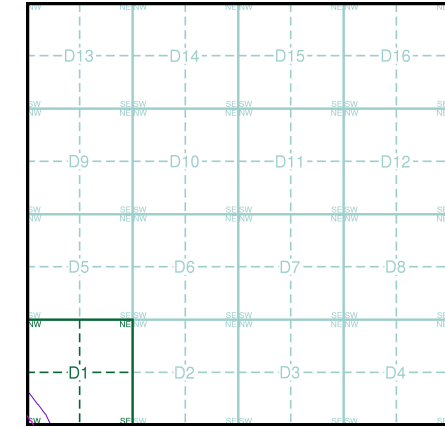
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Map Name(s) and Date(s)



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