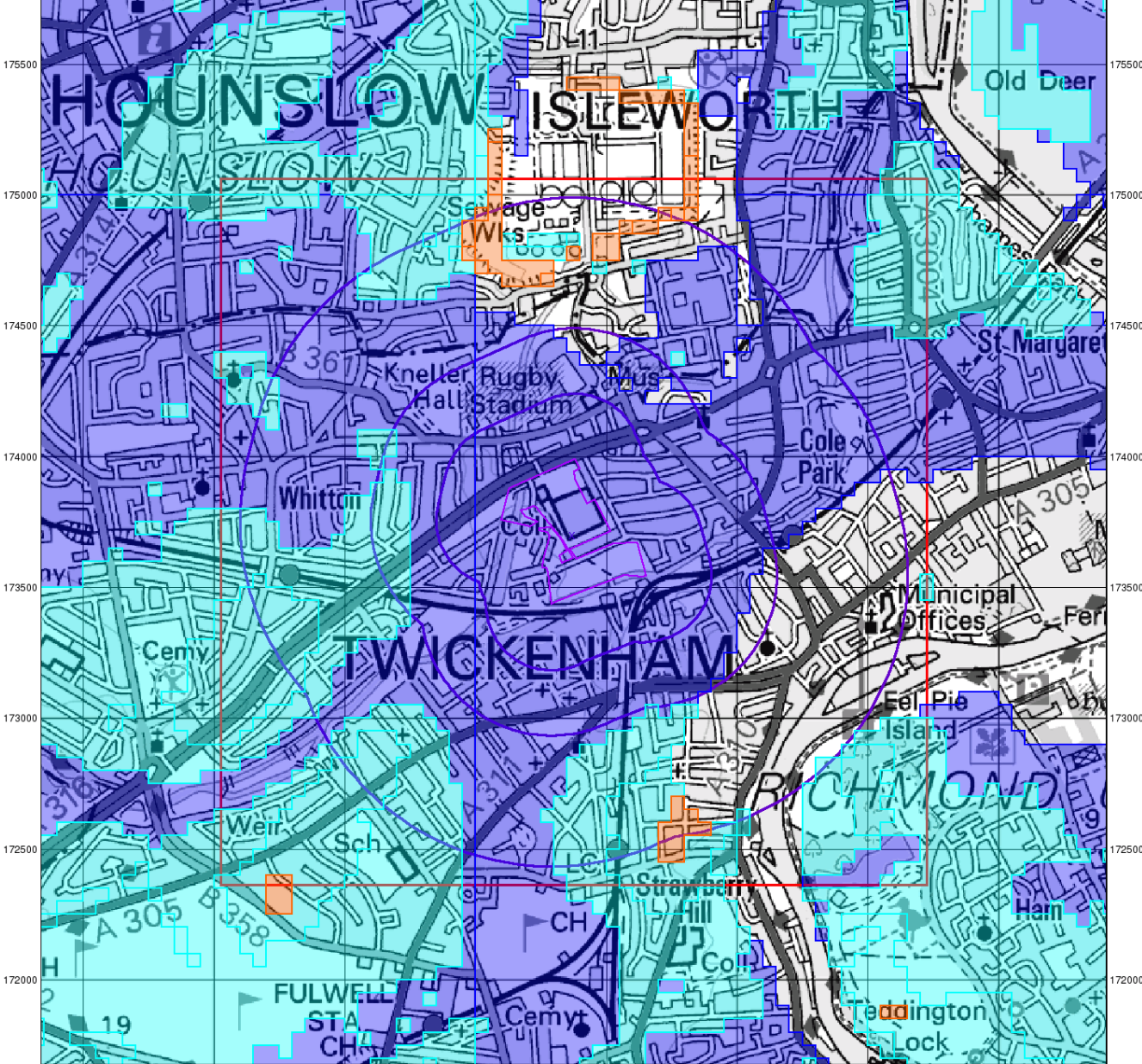


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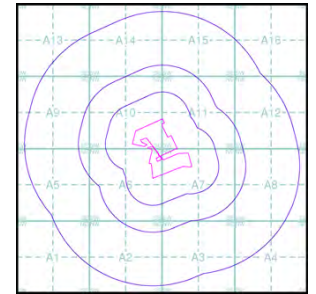
BGS Flood Data (1:50,000)

- 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 A



Order Details

Order Number: 56081832_1_1
 Customer Ref: CC747
 National Grid Reference: 515370, 173700
 Slice: A
 Site Area (Ha): 12.71
 Search Buffer (m): 1000

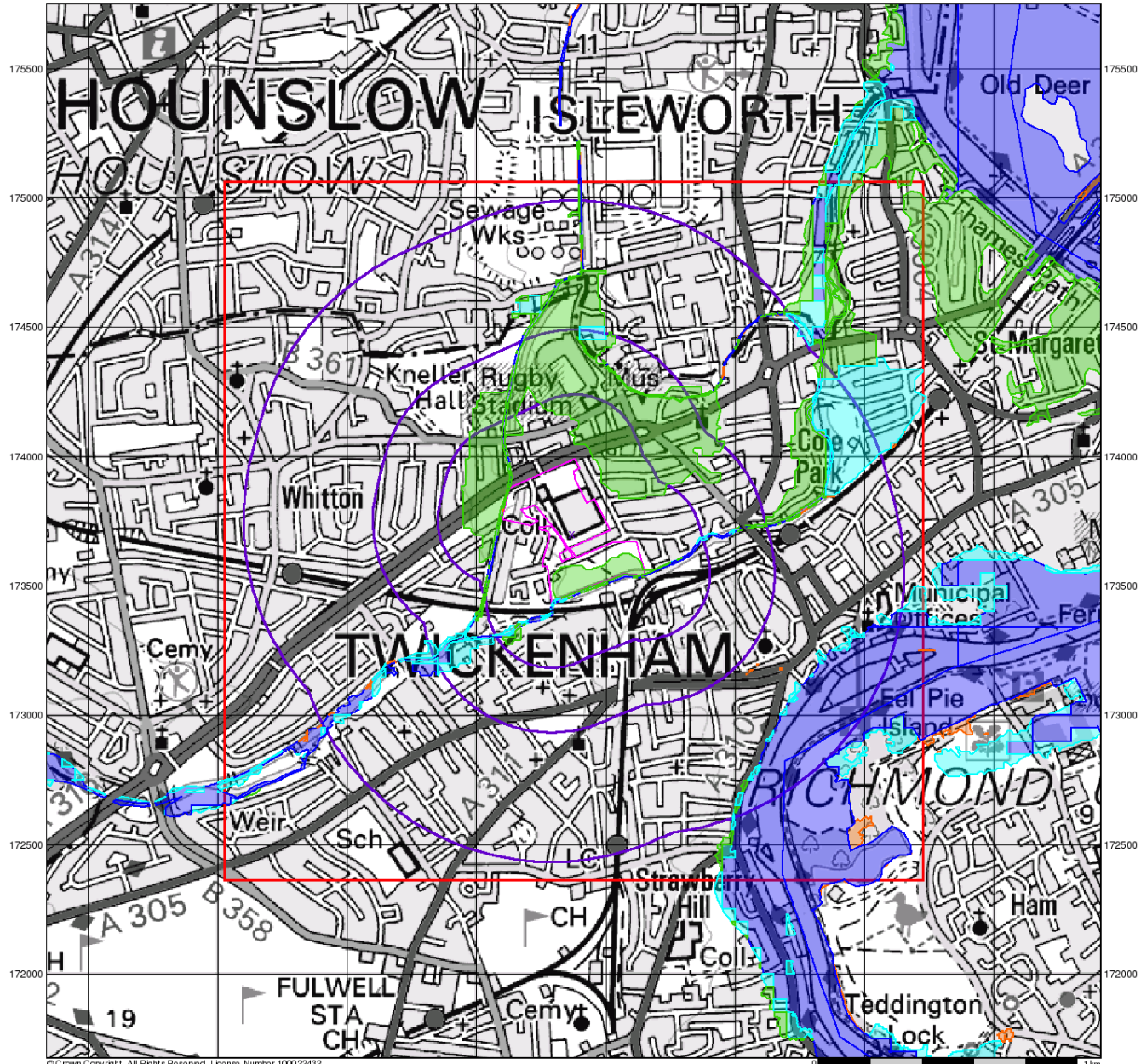
Site Details

Richmond-upon-Thames College, Egerton Road,
 TWICKENHAM, TW2 7SJ



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

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EA NaFRA Data (1:50,000)

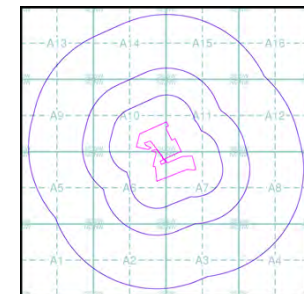
General

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

National Flood Risk Assessment (NaFRA)

- Significant Risk
- Moderate Risk
- Low Risk
- No Result

EA NaFRA Data Map - Slice A



Order Details

Order Number: 56081832_1_1
 Customer Ref: CC747
 National Grid Reference: 515370, 173700
 Slice: A
 Site Area (Ha): 12.71
 Search Buffer (m): 1000

Site Details

Richmond-upon-Thames College, Egerton Road,
 TWICKENHAM, TW2 7SJ



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

Envirocheck[®] Report:

Flood Screening Report Datasheet

Order Details:

Order Number:

56081832_1_1

Customer Reference:

CC747

National Grid Reference:

515370, 173700

Slice:

A

Site Area (Ha):

12.71

Search Buffer (m):

1000

Site Details:

Richmond-upon-Thames College

Egerton Road

TWICKENHAM

TW2 7SJ

Client Details:

Ms M ODea

Cascade Consulting

Enterprise House

Manchester Science Park, Lloyd Street North

Manchester

Greater Manchester

M15 6SE

Report Section and Details	Page Number
Summary	-
<p>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.</p>	
EA / CEH Flood Data	1
<p>This section details data from the Environment Agency and the Centre for Ecology and Hydrology.</p> <p>The EA 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.</p> <p>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.</p> <p>All data sets within this section are plotted and feature on the EA / CEH Flood Data (1:10,000) map. For added value, OS Contour data is also plotted, detailing contours, spot heights and air heights.</p>	
RMS Flood Data	2
<p>This section contains the Risk Management Solutions flood data. The data is based upon the likelihood of a flood occurrence for 3 flood return periods; these being 75 years, 100 years and 1000 years.</p> <p>Each return period is depicted on a separate 1:10,000 scale map and reports features to a distance of 250m from the edge of the site polygon.</p> <p>Each return period can detail both defended and/or undefended flood features, with each feature also reporting an associated flood depth. In addition pluvial flood features are also detailed where applicable, but tidal flooding is not included. For added value, OS Contour data is also plotted, detailing contours, spot heights and air heights.</p>	
BGS Flood Data	3
<p>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.</p> <p>Each data set is plotted on a separate BGS Flood Data (1:50,000) map.</p>	
EA Detailed River Network Data	6
<p>This section details 3 sources of data that depict and detail the river network of England and Wales, captured primarily from the water features theme of Ordnance Survey's OS MasterMap Topography Layer.</p> <p>The DRN Lines data set details all the types of rivers, drains and streams which can be found in England and Wales.</p> <p>The DRN Nodes data set details the river, drain and stream node intersections which divide the detailed river network data. All nodes are defined as being one of the following: A source, sink, junction, or pseudo node, interactions or not assigned.</p> <p>The DRN Offline Drainage dataset details water features from OS MasterMap that do not connect into the river network and are generally limited in length.</p> <p>All data sets within this section are plotted and feature on the EA Detailed River Network (1:10,000) map. For added value, OS Contour data is also plotted, detailing contours, spot heights and air heights.</p>	
EA Historic Flood Events Data	-
<p>This section details Historic Flood data sourced from the Environment Agency and from data held by Landmark. The EA 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.</p> <p>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.</p> <p>Both data sets within this section are plotted and feature on the EA Historical Flood (1:10,000) map. For added value, OS Contour data is also plotted, detailing contours, spot heights and air heights.</p>	

EA NaFRA Data	10
<p>This section details the National Flood Risk Assessment (NaFRA) data sourced from the Environment Agency and is reported to a distance of 1000m from the edge of the site polygon. The NaFRA data provides an indication of flood risk at a national level. The data has been created by calculating the actual likelihood of flooding to areas of land within the flood plain of an extreme flood (0.1% or 1 in 1000 chance in any year).</p> <p>The method considers the probability that the flood defences will overtop or breach, and the distance of the impact cell from the river or the sea. It enables a comparison of the relative risks and their distribution within each of these catchments, rather than a detailed, local assessment of the risk at a specific location. EA do not hold information on properties (including floor levels). NaFRA data can therefore only be assessed if there are properties within the impact cells where EA have assessed the flood risk.</p> <p>The data within this section is plotted and featured on the EA NaFRA Data (1:50,000) map.</p>	
Flood Insurance Risk Data	23
<p>This section contains flood risk data from Crawford and Company. This dataset is not plotted on any of the associated Flood maps.</p> <p>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.</p>	
Data Currency	24
Data Suppliers	25
Useful Contacts	26

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Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
EA / CEH Flood Data					
Extreme Flooding from Rivers or Sea without Defences	pg 1	1	4	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 1	2	4	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
RMS Flood Data					
RMS 75 year Flood Return	pg 2	2	3	n/a	n/a
RMS 100 year Flood Return	pg 2	1	3	n/a	n/a
RMS 1000 year Flood Return	pg 2	2		n/a	n/a
BGS Flood Data					
BGS Geological Indicators of Flooding	pg 3	1	1	1	2
BGS Groundwater Flooding Susceptibility	pg 3	1	1	3	34
EA Detailed River Network Data					
Detailed River Network Lines	pg 6		2	4	12
Detailed River Network Nodes	pg 9			4	7
Detailed River Network Offline Drainage					
EA Historic Flood Events Data					
Historic Flood Events					
Historical Flood Liabilities					
EA National Flood Risk Assessment Data					
National Flood Risk Assessment	pg 10	4	35	31	103
Flood Insurance Risk Data					
Postcode Sector Flood Insurance Claim Ratings	pg 23	1	n/a	n/a	n/a

Report Version v47.0

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A7NW (S)	0	1	515380 173578
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A11SW (NE)	2	1	515522 173866
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A7NW (SE)	8	1	515643 173533
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A7NW (SE)	13	1	515463 173491
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A6NE (S)	37	1	515297 173397
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A7NW (S)	0	1	515446 173496
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A7NW (SE)	0	1	515505 173519
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A10SE (W)	2	1	515096 173759
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A10SE (NW)	37	1	515139 173920
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A6NE (S)	37	1	515297 173397
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A10NE (NW)	180	1	515110 174065
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	RMS 75 year Flood Return Flood Type/Depth: 75 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A10SE (N)	0	2	515366 173861
	RMS 75 year Flood Return Flood Type/Depth: 75 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A6NE (S)	0	2	515372 173583
	RMS 75 year Flood Return Flood Type/Depth: 75 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A6NE (W)	26	2	515239 173691
	RMS 75 year Flood Return Flood Type/Depth: 75 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A6NE (SW)	39	2	515243 173525
	RMS 75 year Flood Return Flood Type/Depth: 75 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A7NW (SE)	67	2	515661 173478
	RMS 100 year Flood Return Flood Type/Depth: 100 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A7NW (SE)	0	2	515448 173640
	RMS 100 year Flood Return Flood Type/Depth: 100 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A6NE (W)	26	2	515239 173691
	RMS 100 year Flood Return Flood Type/Depth: 100 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A6NE (SW)	39	2	515243 173525
	RMS 100 year Flood Return Flood Type/Depth: 100 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A7NW (SE)	67	2	515661 173478
	RMS 1000 year Flood Return Flood Type/Depth: 1000 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A6NE (W)	0	2	515273 173692
	RMS 1000 year Flood Return Flood Type/Depth: 1000 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A6NE (NE)	0	2	515370 173699

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Geological Indicators of Flooding Flooding Type: Inland Flooding Flood Potential: Lower flood potential from rivers: areas affected by secondary flooding in extreme cases as a result of a prolonged flood event. Code:	A6NE (NE)	0	3	515370 173699
	BGS Geological Indicators of Flooding Flooding Type: Inland Flooding Flood Potential: Lower flood potential from rivers: areas affected by secondary flooding in extreme cases as a result of a prolonged flood event. Code:	A6NW (W)	99	3	515001 173699
	BGS Geological Indicators of Flooding Flooding Type: Inland Flooding Flood Potential: Higher flood potential from rivers: the first areas to experience the effects of inland flooding in a river catchment. Code:	A6SW (SW)	369	3	514943 173307
	BGS Geological Indicators of Flooding Flooding Type: Inland Flooding Flood Potential: Lower flood potential from rivers: areas affected by secondary flooding in extreme cases as a result of a prolonged flood event. Code:	A14NE (N)	760	3	515351 174749
	BGS Geological Indicators of Flooding Flooding Type: Inland Flooding Flood Potential: Higher flood potential from rivers: the first areas to experience the effects of inland flooding in a river catchment. Code:	A4NW (SE)	780	3	516241 173031
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A6NE (NE)	0	3	515370 173699
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A6NW (W)	100	3	515000 173699
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A6NW (W)	350	3	514750 173699
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A9SE (NW)	448	3	514700 174000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7SW (SE)	491	3	515650 173050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NE (NE)	516	3	515750 174350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A6SW (SW)	618	3	514800 173050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SE (N)	665	3	515300 174650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SE (N)	673	3	515250 174650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A3NW (S)	694	3	515700 172850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SW (N)	713	3	515450 174700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SW (N)	743	3	515600 174700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NE (N)	760	3	515370 174750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A1NE (SW)	760	3	514700 172950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NE (N)	761	3	515350 174750

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	A15NW (N)	763	3	515450 174750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A5NE (W)	764	3	514400 173450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (NW)	775	3	514850 174600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SE (N)	783	3	515050 174700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NE (N)	810	3	515370 174800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NE (N)	811	3	515350 174800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NE (N)	842	3	515150 174800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (N)	849	3	515000 174750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A3NE (S)	849	3	515750 172700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (N)	870	3	514950 174750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15NW (N)	877	3	515550 174850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15NW (N)	888	3	515600 174850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (N)	895	3	515000 174800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A9NW (W)	909	3	514250 174100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A4NW (SE)	950	3	516300 172850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (NW)	957	3	514850 174800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A3SE (SE)	960	3	516000 172650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (N)	961	3	514950 174850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15NW (N)	965	3	515700 174900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NE (N)	968	3	515050 174900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15NE (N)	982	3	515750 174900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (N)	986	3	515000 174900

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	A4NE (SE)	988	3	516400 172900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A4NE (SE)	996	3	516450 172950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Detailed River Network Lines River Type: Primary River River Name: River Crane Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Crane Name: Water Course: 36CR Reference:	A7NW (S)	4	1	515444 173490
2	Detailed River Network Lines River Type: Primary River River Name: Duke of Northumberland's River Hydrographic Area: D006 River Flow Type: Secondary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Duke Of Northumberlands Name: Water Course: 36DH Reference:	A10SE (W)	7	1	515093 173766
3	Detailed River Network Lines River Type: Primary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Whitton Brook Name: Water Course: 36WH Reference:	A11NW (N)	340	1	515592 174256
4	Detailed River Network Lines River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Whitton Brook Name: Water Course: 36WH Reference:	A11NW (NE)	340	1	515609 174242
5	Detailed River Network Lines River Type: Primary River River Name: River Crane Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Crane Name: Water Course: 36CR Reference:	A6SW (SW)	373	1	514945 173292
6	Detailed River Network Lines River Type: Primary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Whitton Brook Name: Water Course: 36WH Reference:	A11NW (NE)	376	1	515667 174233

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Detailed River Network Lines River Type: Secondary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A14SE (N)	563	1	515235 174534
8	Detailed River Network Lines River Type: Primary River River Name: Duke of Northumberland's River Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Duke Of Northumberlands Name: Water Course: 36DH Reference:	A14SE (N)	563	1	515235 174534
9	Detailed River Network Lines River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A14SE (N)	569	1	515217 174535
10	Detailed River Network Lines River Type: Down stream of High Water Mark River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Thames (Tidal) Name: Water Course: TH00 Reference:	A8SW (SE)	806	1	516318 173091
11	Detailed River Network Lines River Type: Down stream of High Water Mark River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Secondary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Thames (Tidal) Name: Water Course: TH00 Reference:	A4NW (SE)	841	1	516231 172936
12	Detailed River Network Lines River Type: Down stream of High Water Mark River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Thames (Tidal) Name: Water Course: TH00 Reference:	A4NW (SE)	841	1	516231 172936

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	Detailed River Network Lines River Type: Down stream of High Water Mark River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Thames (Tidal) Name: Water Course: TH00 Reference:	A4NW (SE)	943	1	516123 172728
14	Detailed River Network Lines River Type: Down stream of High Water Mark River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A3SE (SE)	943	1	516050 172683
15	Detailed River Network Lines River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Secondary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Currently Undefined Management Status: Water Course: Thames (Tidal) Name: Water Course: TH00 Reference:	A3SE (SE)	949	1	516050 172683
16	Detailed River Network Lines River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A3SE (SE)	949	1	516050 172683
17	Detailed River Network Lines River Type: Primary River River Name: River Crane Hydrographic Area: D006 River Flow Type: Secondary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Crane Name: Water Course: 36CR Reference:	A1NE (SW)	991	1	514416 172967
18	Detailed River Network Lines River Type: Primary River River Name: River Crane Hydrographic Area: D006 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Crane Name: Water Course: 36CR Reference:	A1NE (SW)	991	1	514416 172967

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	Detailed River Network Nodes River Node Type: Pseudo (OS MasterMap polygon boundary) Hydrographic Area: D006	A11NW (N)	340	1	515592 174256
20	Detailed River Network Nodes River Node Type: Junction Hydrographic Area: D006	A6SW (SW)	373	1	514945 173292
21	Detailed River Network Nodes River Node Type: Pseudo (OS MasterMap polygon boundary) Hydrographic Area: D006	A11NW (NE)	376	1	515667 174233
22	Detailed River Network Nodes River Node Type: Source Hydrographic Area: D006	A15SW (N)	472	1	515385 174462
23	Detailed River Network Nodes River Node Type: Junction Hydrographic Area: D006	A14SE (N)	563	1	515235 174534
24	Detailed River Network Nodes River Node Type: Pseudo (OS MasterMap polygon boundary) Hydrographic Area: D006	A14SE (N)	569	1	515217 174535
25	Detailed River Network Nodes River Node Type: Source Hydrographic Area: D006	A14SE (N)	600	1	515100 174522
26	Detailed River Network Nodes River Node Type: Junction Hydrographic Area: D006	A4NW (SE)	841	1	516231 172936
27	Detailed River Network Nodes River Node Type: Junction Hydrographic Area: D006	A4NW (SE)	943	1	516123 172728
28	Detailed River Network Nodes River Node Type: Pseudo (High Water Mark) Hydrographic Area: D006	A3SE (SE)	949	1	516050 172683
29	Detailed River Network Nodes River Node Type: Junction Hydrographic Area: D006	A1NE (SW)	991	1	514416 172967

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk: Significant Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A7NW (S)	0	1	515446 173495
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A7NW (S)	0	1	515380 173578
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6NE (S)	0	1	515298 173439
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6NE (S)	0	1	515326 173450
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A10SE (W)	2	1	515106 173800
	National Flood Risk Assessment (NaFRA) Flood Risk: Significant Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A10SE (W)	3	1	515097 173764
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A10SE (W)	4	1	515096 173759
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A10SE (W)	5	1	515100 173775
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A7NW (SE)	9	1	515641 173533
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A10SE (W)	9	1	515088 173766
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6NE (S)	9	1	515307 173434
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6NE (S)	9	1	515350 173450
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6NE (S)	10	1	515371 173458
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A7NW (SE)	11	1	515606 173532

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A7NW (S)	11	1	515449 173487
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6NE (S)	13	1	515300 173426
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6NE (S)	23	1	515287 173411
	National Flood Risk Assessment (NaFRA) Flood Risk: Significant Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6NE (S)	37	1	515297 173397
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6NE (S)	38	1	515289 173396
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6NE (S)	38	1	515297 173397
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6NE (S)	43	1	515286 173391
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6NE (S)	53	1	515283 173381
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A11SW (NE)	57	1	515522 173866
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A7NE (E)	106	1	515750 173589
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6SE (SW)	113	1	515200 173366
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6SE (SW)	120	1	515200 173355
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6SE (SW)	131	1	515190 173350
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A7NE (E)	135	1	515777 173600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6SE (SW)	147	1	515169 173350
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6SE (SW)	154	1	515169 173339
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6SE (SW)	166	1	515150 173345
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6SE (SW)	179	1	515150 173324
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6NE (W)	187	1	515050 173576
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6NE (SW)	214	1	515049 173521
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6NE (SW)	215	1	515044 173541
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A7NE (E)	221	1	515850 173662
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6SE (SW)	233	1	515100 173300
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A7NE (E)	244	1	515869 173676
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A7NE (E)	250	1	515875 173677
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A7NE (E)	263	1	515888 173678
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6SE (SW)	264	1	515065 173297
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6NW (SW)	268	1	515024 173401

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6NW (SW)	278	1	515014 173405
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A7NE (E)	282	1	515902 173702
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6NW (SW)	293	1	515000 173393
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6SW (SW)	297	1	515000 173370
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6SW (SW)	319	1	515000 173301
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6SW (SW)	329	1	514976 173337
	National Flood Risk Assessment (NaFRA) Flood Risk: Significant Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A11NW (N)	338	1	515590 174255
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A11NW (N)	341	1	515593 174257
	National Flood Risk Assessment (NaFRA) Flood Risk: Significant Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A7NE (E)	342	1	515965 173697
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A7NE (E)	356	1	515978 173704
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A7NE (E)	369	1	515991 173702
	National Flood Risk Assessment (NaFRA) Flood Risk: Significant Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A11NW (N)	370	1	515522 174332
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A11NW (N)	370	1	515522 174332
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A11NW (N)	373	1	515525 174334

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A11NW (NE)	374	1	515660 174238
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A11SE (E)	380	1	516000 173716
	National Flood Risk Assessment (NaFRA) Flood Risk: Significant Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A11NW (N)	382	1	515506 174351
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A11NW (N)	386	1	515500 174357
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A7NE (E)	389	1	516010 173711
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A11NW (N)	390	1	515500 174361
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6SW (SW)	392	1	514976 173200
	National Flood Risk Assessment (NaFRA) Flood Risk: Significant Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A11NW (N)	395	1	515464 174376
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A11SE (E)	423	1	516039 173732
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A11SE (E)	429	1	516049 173723
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A15SW (N)	460	1	515400 174450
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A14SE (N)	464	1	515156 174398
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6SW (SW)	489	1	514850 173221
	National Flood Risk Assessment (NaFRA) Flood Risk: Significant Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6SW (SW)	499	1	514850 173200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A14SE (N)	518	1	515183 174468
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A14SE (N)	538	1	515202 174497
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A12SW (E)	547	1	516166 173737
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A7SE (SE)	550	1	516045 173160
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A8SW (SE)	551	1	516055 173170
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A11NE (NE)	555	1	515877 174238
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A8SW (SE)	557	1	516085 173195
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A14SE (N)	578	1	515240 174550
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A12SW (E)	583	1	516200 173750
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A14SE (N)	590	1	515250 174566
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A11NE (NE)	604	1	515921 174258
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6SW (SW)	609	1	514724 173210
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6SW (SW)	612	1	514718 173218
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A6SW (SW)	615	1	514718 173210

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A11NE (NE)	623	1	515935 174274
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A11NE (NE)	634	1	515940 174286
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A14SE (N)	636	1	515200 174600
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A12SW (E)	637	1	516250 173774
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A8SW (SE)	638	1	516175 173180
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A12SW (E)	641	1	516250 173791
	National Flood Risk Assessment (NaFRA) Flood Risk: Significant Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A5SE (SW)	643	1	514686 173209
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A5SE (SW)	643	1	514690 173202
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A5SE (SW)	645	1	514684 173212
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A11NE (NE)	650	1	515950 174303
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A11NE (NE)	662	1	515958 174312
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A12SW (E)	674	1	516282 173800
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A14SE (N)	676	1	515308 174662
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A11NE (NE)	678	1	515959 174344

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A5SE (SW)	682	1	514650 173199
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A5SE (SW)	689	1	514650 173179
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A11NE (NE)	692	1	515961 174366
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A14SE (N)	698	1	515356 174688
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A8SW (SE)	717	1	516233 173125
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A15SW (N)	717	1	515400 174707
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A15SW (N)	726	1	515500 174706
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A8SW (SE)	730	1	516313 173235
	National Flood Risk Assessment (NaFRA) Flood Risk: Significant Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A8SW (SE)	735	1	516250 173117
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A12SW (E)	739	1	516338 173841
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A4NW (SE)	749	1	516173 173005
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A8SW (SE)	749	1	516216 173052
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A8SW (SE)	750	1	516290 173150
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A5SE (SW)	751	1	514600 173138

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A12SW (E)	751	1	516350 173842
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A15SE (NE)	751	1	516000 174414
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A12SW (E)	753	1	516350 173850
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A15SE (NE)	754	1	516000 174419
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A5SE (SW)	759	1	514600 173119
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A15NW (N)	760	1	515406 174750
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A15SE (NE)	765	1	516008 174427
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A12SW (E)	772	1	516350 173916
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A15SE (NE)	775	1	516009 174443
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A15SE (NE)	781	1	516011 174450
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A8SW (SE)	781	1	516375 173250
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A15SE (NE)	785	1	516016 174450
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A4NW (SE)	785	1	516150 172938
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A12NW (NE)	806	1	516300 174100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A15SE (NE)	808	1	516028 174474
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A15NW (N)	810	1	515404 174800
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A15NW (N)	811	1	515412 174800
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A12NW (NE)	821	1	516318 174100
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A5SE (SW)	822	1	514563 173050
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A12NW (NE)	823	1	516300 174132
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A8SE (E)	832	1	516456 173330
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A15SE (NE)	843	1	516050 174502
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A4NW (SE)	849	1	516097 172822
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A16SW (NE)	856	1	516062 174508
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A4NW (SE)	858	1	516092 172808
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A16SW (NE)	867	1	516068 174517
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A12NW (NE)	868	1	516300 174208
	National Flood Risk Assessment (NaFRA) Flood Risk: Significant Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A15NW (N)	872	1	515409 174862

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A15NW (N)	872	1	515404 174862
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A16SW (NE)	882	1	516084 174522
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A16SW (NE)	883	1	516082 174526
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A3NE (SE)	885	1	516035 172748
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A1NE (SW)	890	1	514513 173000
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A16SW (NE)	892	1	516090 174531
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A16SW (NE)	893	1	516087 174535
	National Flood Risk Assessment (NaFRA) Flood Risk: Significant Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A8SE (E)	895	1	516522 173338
	National Flood Risk Assessment (NaFRA) Flood Risk: Significant Assessment Code: Source: Environment Agency, Head Office Catchment Area: Thames & Wey	A4NW (SE)	903	1	516192 172821
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A16SW (NE)	905	1	516099 174539
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A16SW (NE)	905	1	516100 174539
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A15NW (N)	910	1	515401 174900
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A8NE (E)	911	1	516548 173382
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A8NE (E)	913	1	516550 173384






Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A16SW (NE)	917	1	516110 174545
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A3SE (SE)	922	1	516015 172698
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A16SW (NE)	924	1	516118 174546
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A15NW (N)	929	1	515400 174919
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A1NE (SW)	941	1	514450 173010
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A12NW (NE)	944	1	516321 174300
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A16SW (NE)	945	1	516145 174546
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A16SW (NE)	950	1	516150 174546
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A16SW (NE)	952	1	516150 174550
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A12NW (NE)	953	1	516334 174300
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A3SE (SE)	961	1	516001 172650
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A3SE (SE)	965	1	516000 172645
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A16SW (NE)	972	1	516172 174553
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A16SW (NE)	981	1	516186 174550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A16SW (NE)	983	1	516243 174462
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A8NE (E)	984	1	516625 173400
	National Flood Risk Assessment (NaFRA) Flood Risk: No Result Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A16SW (NE)	988	1	516195 174550
	National Flood Risk Assessment (NaFRA) Flood Risk: Low Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A16SW (NE)	988	1	516193 174552
	National Flood Risk Assessment (NaFRA) Flood Risk: Moderate Assessment Code: Source: Environment Agency, Head Office Catchment Area: Colne & Thames	A1NE (SW)	1000	1	514415 172950

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: TW2 7	A6NE (NE)	0	4	515370 173699

EA / CEH Flood Data	Version	Update Cycle
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2014	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2014	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2014	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2014	Quarterly
Flood Defences Environment Agency - Head Office	February 2014	Quarterly
RMS Flood Data	Version	Update Cycle
RMS 75 year Flood Return Risk Management Solutions - Thames Catchment	December 2008	As notified
RMS 100 year Flood Return Risk Management Solutions - Thames Catchment	December 2008	As notified
RMS 1000 year Flood Return Risk Management Solutions - Thames Catchment	December 2008	As notified
BGS Flood Data	Version	Update Cycle
BGS Geological Indicators of Flooding British Geological Survey - National Geoscience Information Service	October 2013	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually
EA Detailed River Network Data	Version	Update Cycle
Detailed River Network Lines Environment Agency - Head Office	March 2012	Annually
Detailed River Network Nodes Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage Environment Agency - Head Office	March 2012	Annually
EA Historic Flood Events Data	Version	Update Cycle
Historic Flood Events Environment Agency - Head Office	February 2014	Quarterly
Historical Flood Liabilities Landmark Information Group Limited	December 1999	Not Applicable
EA National Flood Risk Assessment Data (NaFRA)	Version	Update Cycle
National Flood Risk Assessment Environment Agency - Head Office	July 2013	Annually
Flood Insurance Risk Data	Version	Update Cycle
Postcode Sector Flood Insurance Claim Ratings Crawford and Company	June 2013	Quarterly

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Centre for Ecology and Hydrology	
British Geological Survey	
Risk Management Solutions	

Contact	Name and Address	Contact Details
1	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	Landmark Information Group Limited Legal and Financial, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9966 Fax: 0844 844 9980 Email: info@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk
3	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham 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	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmark.co.uk Website: www.landmarkinfo.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

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Historical Land Use Information (1:10,000)

General

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

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

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

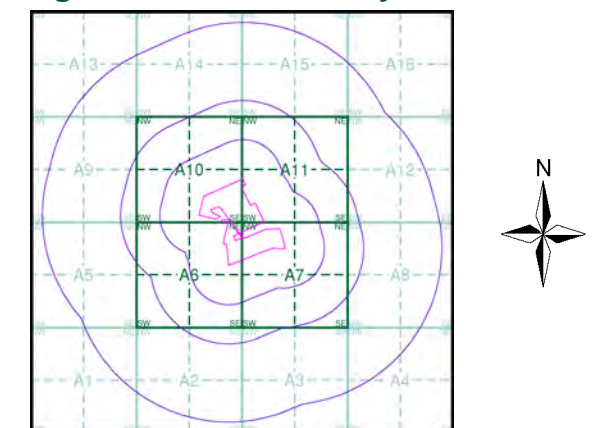
Historical Land Use

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

Mining Data

- Potential Mining Area
- BGS Recorded Mineral Site

Mining and Ground Stability - Slice A

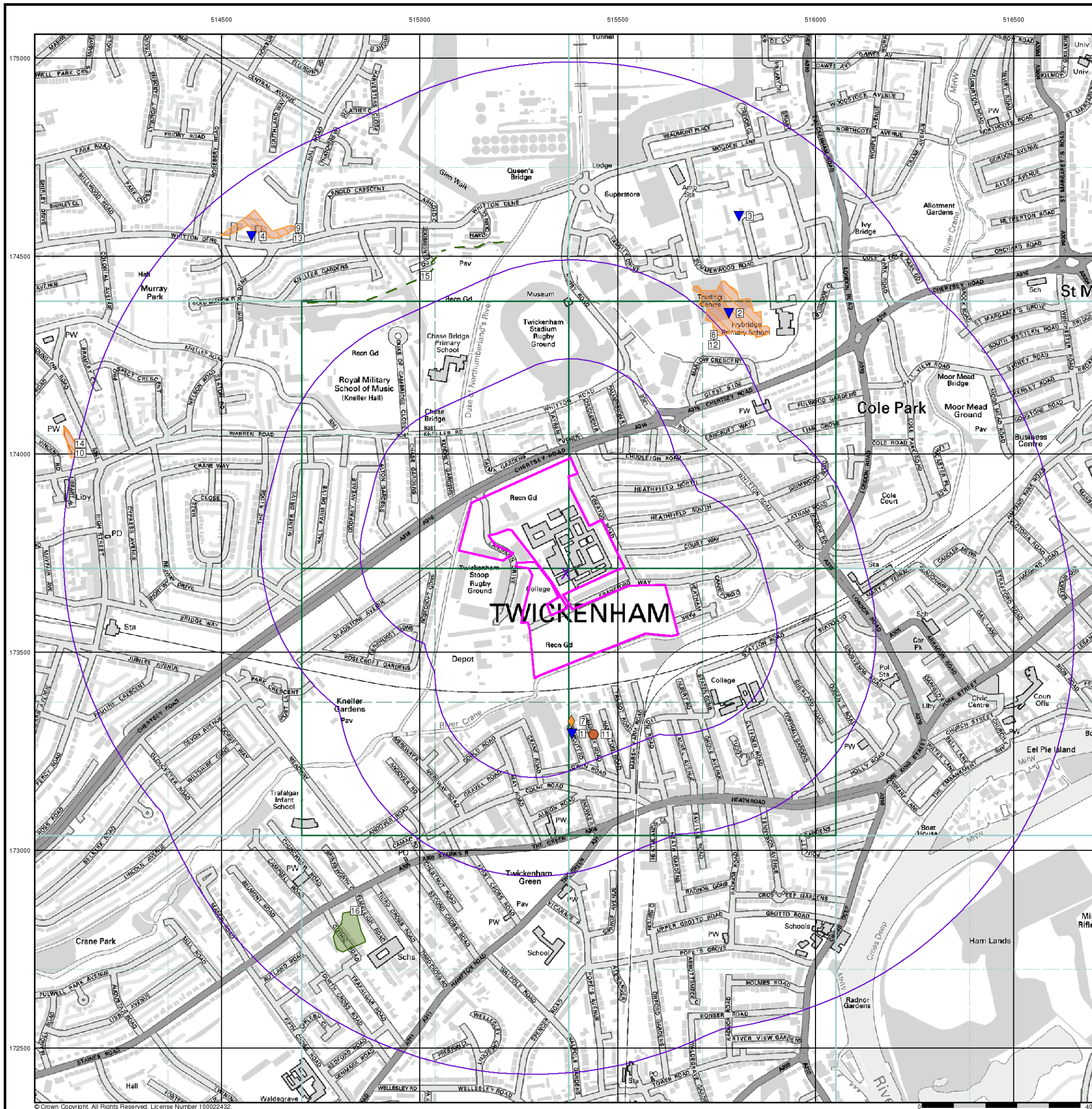


Order Details

Order Number: 56081832_1_1
 Customer Ref: CC747
 National Grid Reference: 515370, 173700
 Slice: A
 Site Area (Ha): 12.71
 Search Buffer (m): 1000

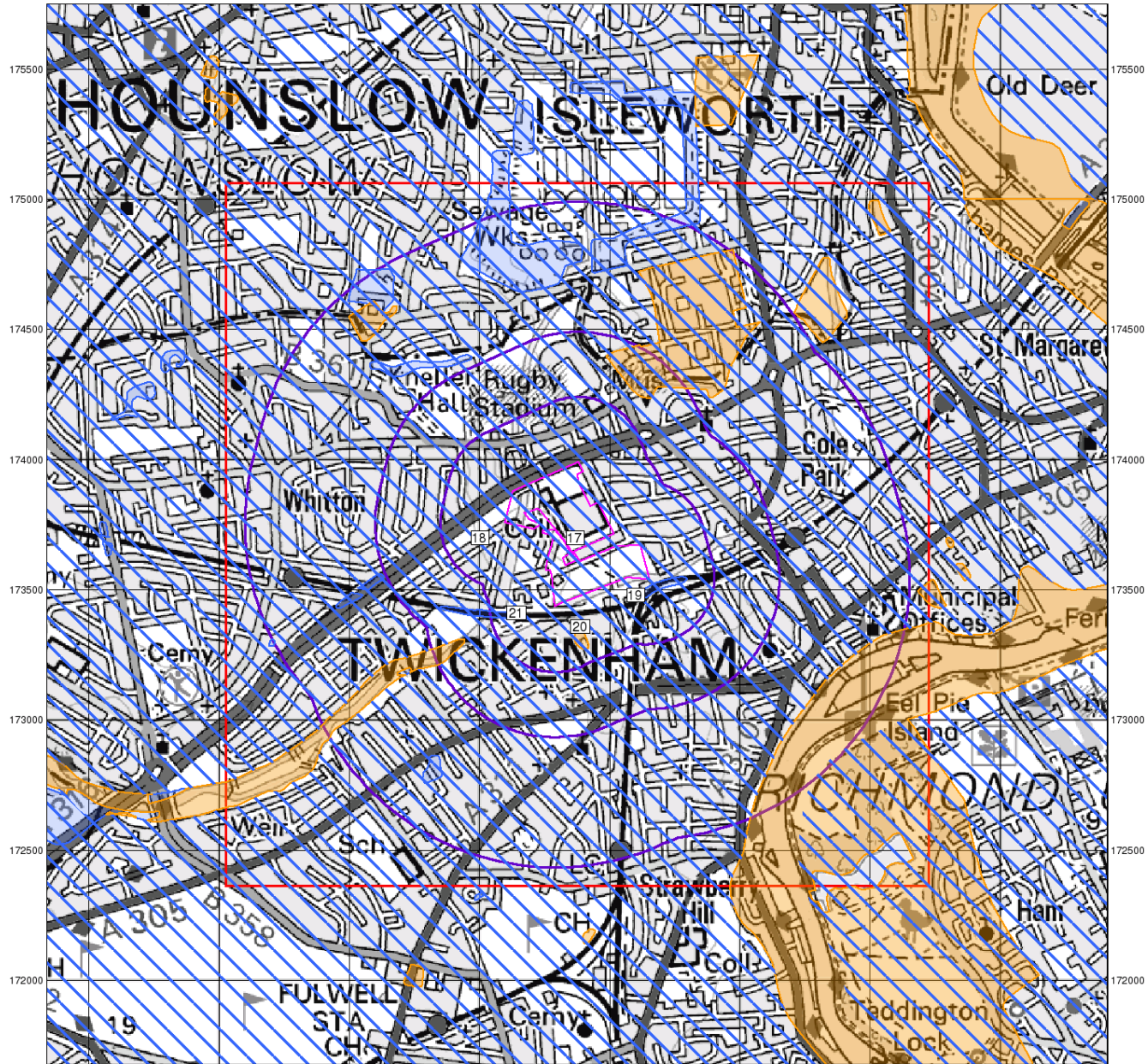
Site Details

Richmond-upon-Thames College, Egerton Road,
 TWICKENHAM, TW2 7SJ



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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

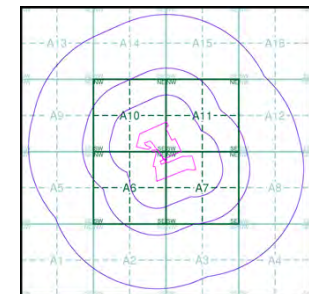
Potential for Collapsible Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Brine Pumping and Salt Mining

- | | Point | Polygon |
|-------------------------------|-------|---------|
| Brine Pumping Related Feature | | |
| Salt Mining Related Feature | | |

Mining and Ground Stability - Slice A



Order Details

Order Number: 56081832_1_1
 Customer Ref: CC747
 National Grid Reference: 515370, 173700
 Slice: A
 Site Area (Ha): 12.71
 Search Buffer (m): 1000

Site Details

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 Fax: 0844 844 9951
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Ground Stability Data (1:50,000)

General

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

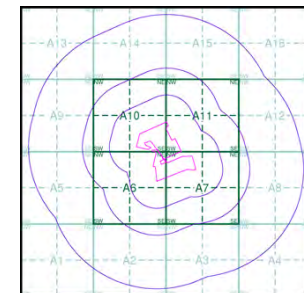
Potential for Landslide Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

Potential for Ground Dissolution Stability Hazards

- High
- Low
- Moderate
- Very Low

Mining and Ground Stability - Slice A



Order Details

Order Number: 56081832_1_1
 Customer Ref: CC747
 National Grid Reference: 515370, 173700
 Slice: A
 Site Area (Ha): 12.71
 Search Buffer (m): 1000

Site Details

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Ground Stability Data (1:50,000)

General

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

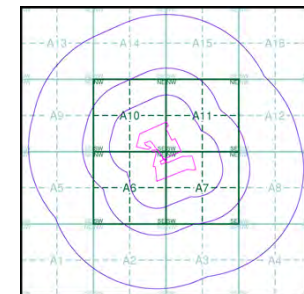
Potential for Running Sand Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Mining and Ground Stability - Slice A



Order Details

Order Number: 56081832_1_1
 Customer Ref: CC747
 National Grid Reference: 515370, 173700
 Slice: A
 Site Area (Ha): 12.71
 Search Buffer (m): 1000

Site Details

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Envirocheck[®] Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:

56081832_1_1

Customer Reference:

CC747

National Grid Reference:

515370, 173700

Slice:

A

Site Area (Ha):

12.71

Search Buffer (m):

1000

Site Details:

Richmond-upon-Thames College

Egerton Road

TWICKENHAM

TW2 7SJ

Client Details:

Ms M ODea

Cascade Consulting

Enterprise House

Manchester Science Park, Lloyd Street North

Manchester

Greater Manchester

M15 6SE

Report Section and Details	Page Number
Summary	-
<p>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.</p> <p>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).</p>	
Mining and Natural Cavities Data	1
<p>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.</p> <p>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.</p>	
Historical Land Use Information (1:2,500)	2
<p>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.</p> <p>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.</p>	
Historical Land Use Information (1:10,000)	3
<p>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.</p> <p>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.</p>	
Ground Stability Data (1:50,000)	4
<p>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.</p>	
Motion Map Data (1:2,500)	6
<p>The Motion Map Data (1:2,500) section contains data which is plotted to indicate long-term stability trends from analysis of satellite radar data.</p>	
Historical Map List	14
<p>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.</p>	
Data Currency	15
Data Suppliers	17
Useful Contacts	18

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

Report Version v47.0

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		3
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities	pg 1				1
Non Coal Mining Areas of Great Britain				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)	pg 2		2	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 3		1	1	2
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 3		1	1	2
Potentially Infilled Land (Water)	pg 3				2

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Ground Stability Data (1:50,000)					
Brine Compensation Area			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Salt Mining Related Features					
Subsidence Insurance Claims	pg 5		1	n/a	n/a
Subsidence Investigations	pg 4		8	n/a	n/a
Motion Map Data (1:2,500)					
Motion Map (100m)	pg 6	44	102	n/a	n/a

Report Version v47.0

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Twickenham Gravel Pit Location: , Twickenham, Surrey Source: British Geological Survey, National Geoscience Information Service Reference: 164159 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary, Devensian Geology: Kempton Park Gravel Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A7SW (S)	163	1	515383 173298
2	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Mogden Sand & Ballast Works Location: Mogden Lane, Mogden, Isleworth, Middlesex Source: British Geological Survey, National Geoscience Information Service Reference: 19677 Type: Opencast Status: Ceased Operator: Willment Ready Mix Concrete Ltd Operator Location: Willment Ready Mix Concrete Ltd, Howard Ho, 63a High Street, Teddington, Middlesex, Tw11 8ha Periodic Type: Quaternary Geology: Kempton Park Gravel Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A11NE (NE)	545	1	515780 174360
3	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Mogden Sand & Ballast Works Location: Mogden Lane, Mogden, Isleworth, Middlesex Source: British Geological Survey, National Geoscience Information Service Reference: 19678 Type: Opencast Status: Ceased Operator: Willment Ready Mix Concrete Ltd Operator Location: Willment Ready Mix Concrete Ltd, Howard Ho, 63a High Street, Teddington, Middlesex, Tw11 8ha Periodic Type: Quaternary Geology: Kempton Park Gravel Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A15SE (NE)	747	1	515805 174605
4	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Whitton Dean Gravel Pit Location: , Twickenham, Surrey Source: British Geological Survey, National Geoscience Information Service Reference: 164162 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Wolstonian Geology: Taplow Gravel Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m</p>	A13SE (NW)	878	1	514574 174555
	<p>Coal Mining Affected Areas</p> <p>In an area which may not be affected by coal mining</p>				
	<p>Natural Cavities</p> <p>Cavity Type: Scour Hollows x 1 Solid Geology Detail: Chalk Group, Lambeth Group, London Clay Formation, Thanet Sand Formation Superficial Geology Detail: No Details</p>	A9SW (W)	782	2	514340 173940
	<p>Non Coal Mining Areas of Great Britain</p> <p>No Hazard</p>				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Extractive Industries or Potential Excavations from 1950-1980 Use: Railway Embankment First Map Published 1961 Date: Last Map Published 1961 Date:	A7NW (SE)	27	-	515606 173485
6	Extractive Industries or Potential Excavations from 1950-1980 Use: Well First Map Published 1961 Date: Last Map Published N/A Date:	A6NE (S)	62	-	515330 173386

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1898	A7SW (S)	154	-	515382 173308
8	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1934	A11NE (NE)	478	-	515743 174301
9	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1920	A13SE (NW)	820	-	514694 174571
10	Quarrying of sand & clay, operation of sand & gravel pits Use: Not Supplied Date of Mapping: 1920	A9SW (W)	988	-	514143 174002
11	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A7SW (S)	154	-	515382 173308
12	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A11NE (NE)	478	-	515743 174301
13	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	A13SE (NW)	820	-	514694 174571
14	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	A9SW (W)	991	-	514142 174009
15	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1949	A14SW (NW)	570	-	515015 174449
16	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898	A2NW (SW)	741	-	514839 172847

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Brine Compensation Area 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.				
17	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A6NE (NE)	0	1	515370 173699
18	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A6NW (W)	99	1	515001 173699
19	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A7NW (SE)	31	1	515601 173478
20	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A7SW (S)	110	1	515386 173356
21	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A6NE (SW)	148	1	515140 173410
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A6NE (NE)	0	1	515370 173699
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A6NW (W)	99	1	515001 173699
	Potential for Ground Dissolution Stability Hazards No Hazard				
22	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A6NE (NE)	0	1	515370 173699
23	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A6NW (W)	99	1	515001 173699
24	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A6NE (NE)	0	1	515370 173699
25	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A6NW (W)	99	1	515001 173699
26	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A6NE (NE)	0	1	515370 173699
27	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A6NW (W)	122	1	515001 173601
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A6NE (W)	0	1	515304 173691
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (NE)	10	1	515495 173790
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A6NW (W)	99	1	515001 173699
	Subsidence Investigations Site Investigation 19th September 2003 Date: Root Survey: No CCTV Drain Survey: Yes Depth of Foundation Not Supplied Footings: Soil Classification: Not Supplied			-	

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Subsidence Investigations Site Investigation 3rd December 2008 Date: Root Survey: No CCTV Drain Survey: No Depth of Foundation Not Supplied Footing: Soil Classification: Not Supplied			-	
	Subsidence Investigations Site Investigation 21st September 2000 Date: Root Survey: No CCTV Drain Survey: No Depth of Foundation Not Supplied Footing: Soil Classification: Not Supplied			-	
	Subsidence Investigations Site Investigation 16th October 2003 Date: Root Survey: No CCTV Drain Survey: Yes Depth of Foundation Not Supplied Footing: Soil Classification: Not Supplied			-	
	Subsidence Investigations Site Investigation 24th September 2013 Date: Root Survey: Yes CCTV Drain Survey: No Depth of Foundation 0.75 Footing: Soil Classification: Clay of Low Plasticity			-	
	Subsidence Investigations Site Investigation 9th May 2003 Date: Root Survey: No CCTV Drain Survey: No Depth of Foundation Not Supplied Footing: Soil Classification: Not Supplied			-	
	Subsidence Investigations Site Investigation 9th December 2004 Date: Root Survey: No CCTV Drain Survey: Yes Depth of Foundation Not Supplied Footing: Soil Classification: Not Supplied			-	
	Subsidence Investigations Site Investigation 4th March 2004 Date: Root Survey: No CCTV Drain Survey: Yes Depth of Foundation Not Supplied Footing: Soil Classification: Not Supplied			-	
	Subsidence Insurance Claims Case Date: 24th April 2006 Movement Trend Not Supplied Indication: Damage Not Supplied Classification:			-	

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	Motion Map Average Velocity -0.5 Gradient (mmyear):	A10SE (NW)	0	-	515233 173854
28	Motion Map Average Velocity -0.4 Gradient (mmyear):	A10SE (NW)	0	-	515233 173850
28	Motion Map Average Velocity -0.4 Gradient (mmyear):	A10SE (NW)	0	-	515232 173846
29	Motion Map Average Velocity 0.2 Gradient (mmyear):	A6NE (NW)	0	-	515362 173707
29	Motion Map Average Velocity 0.8 Gradient (mmyear):	A6NE (W)	0	-	515357 173704
30	Motion Map Average Velocity 0.9 Gradient (mmyear):	A11SW (NE)	0	-	515471 173742
30	Motion Map Average Velocity 0.6 Gradient (mmyear):	A11SW (E)	0	-	515470 173738
31	Motion Map Average Velocity 0.2 Gradient (mmyear):	A11SW (N)	0	-	515378 173760
31	Motion Map Average Velocity -0.1 Gradient (mmyear):	A11SW (N)	0	-	515377 173757
32	Motion Map Average Velocity 0.1 Gradient (mmyear):	A10SE (N)	0	-	515375 173761
32	Motion Map Average Velocity 0.1 Gradient (mmyear):	A10SE (N)	0	-	515374 173758
33	Motion Map Average Velocity 0.8 Gradient (mmyear):	A10SE (N)	0	-	515366 173820
33	Motion Map Average Velocity 0.7 Gradient (mmyear):	A10SE (N)	0	-	515363 173820
33	Motion Map Average Velocity 0.5 Gradient (mmyear):	A10SE (N)	0	-	515365 173816
33	Motion Map Average Velocity 0.4 Gradient (mmyear):	A10SE (N)	0	-	515362 173816
33	Motion Map Average Velocity 0.2 Gradient (mmyear):	A10SE (N)	0	-	515363 173812
33	Motion Map Average Velocity 0.2 Gradient (mmyear):	A10SE (N)	0	-	515362 173812
34	Motion Map Average Velocity 0.3 Gradient (mmyear):	A10SE (N)	0	-	515344 173764
35	Motion Map Average Velocity 1.0 Gradient (mmyear):	A10SE (NW)	0	-	515298 173768
35	Motion Map Average Velocity 0.6 Gradient (mmyear):	A10SE (NW)	0	-	515295 173765

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	Motion Map Average Velocity 0.0 Gradient (mmyear):	A10SE (N)	0	-	515320 173825
37	Motion Map Average Velocity -0.2 Gradient (mmyear):	A11SW (NE)	0	-	515420 173760
38	Motion Map Average Velocity 0.5 Gradient (mmyear):	A10SE (NW)	0	-	515335 173720
38	Motion Map Average Velocity 1.1 Gradient (mmyear):	A10SE (NW)	0	-	515335 173724
39	Motion Map Average Velocity 0.1 Gradient (mmyear):	A11SW (NE)	0	-	515448 173771
39	Motion Map Average Velocity 0.4 Gradient (mmyear):	A11SW (NE)	0	-	515449 173775
40	Motion Map Average Velocity 0.1 Gradient (mmyear):	A10SE (NW)	0	-	515224 173815
40	Motion Map Average Velocity 0.0 Gradient (mmyear):	A10SE (NW)	0	-	515220 173816
40	Motion Map Average Velocity 0.1 Gradient (mmyear):	A10SE (NW)	0	-	515225 173819
40	Motion Map Average Velocity 0.1 Gradient (mmyear):	A10SE (NW)	0	-	515221 173820
41	Motion Map Average Velocity 0.4 Gradient (mmyear):	A10SE (NW)	0	-	515337 173732
41	Motion Map Average Velocity 0.5 Gradient (mmyear):	A10SE (NW)	0	-	515343 173739
41	Motion Map Average Velocity 0.4 Gradient (mmyear):	A10SE (NW)	0	-	515341 173735
42	Motion Map Average Velocity -0.2 Gradient (mmyear):	A11SW (E)	0	-	515468 173723
42	Motion Map Average Velocity -0.2 Gradient (mmyear):	A11SW (E)	0	-	515471 173730
42	Motion Map Average Velocity 0.0 Gradient (mmyear):	A11SW (E)	0	-	515468 173731
42	Motion Map Average Velocity -0.3 Gradient (mmyear):	A11SW (E)	0	-	515469 173727
42	Motion Map Average Velocity -0.6 Gradient (mmyear):	A11SW (E)	0	-	515467 173727
43	Motion Map Average Velocity -0.7 Gradient (mmyear):	A6NE (S)	0	-	515368 173678
43	Motion Map Average Velocity -1.3 Gradient (mmyear):	A6NE (S)	0	-	515364 173678

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	Motion Map Average Velocity -1.1 Gradient (mmyear):	A6NE (S)	0	-	515368 173682
43	Motion Map Average Velocity -1.1 Gradient (mmyear):	A6NE (S)	0	-	515365 173682
44	Motion Map Average Velocity -0.2 Gradient (mmyear):	A10SE (N)	0	-	515352 173859
45	Motion Map Average Velocity -0.8 Gradient (mmyear):	A11SW (NE)	0	-	515430 173738
46	Motion Map Average Velocity 0.2 Gradient (mmyear):	A6NE (S)	7	-	515344 173605
46	Motion Map Average Velocity 0.4 Gradient (mmyear):	A6NE (S)	9	-	515346 173609
46	Motion Map Average Velocity 0.2 Gradient (mmyear):	A6NE (S)	9	-	515342 173606
46	Motion Map Average Velocity 0.4 Gradient (mmyear):	A6NE (S)	11	-	515343 173610
47	Motion Map Average Velocity -1.8 Gradient (mmyear):	A10SE (N)	18	-	515345 173994
48	Motion Map Average Velocity 0.1 Gradient (mmyear):	A7NW (E)	18	-	515457 173668
48	Motion Map Average Velocity 0.3 Gradient (mmyear):	A7NW (E)	21	-	515455 173665
49	Motion Map Average Velocity 0.1 Gradient (mmyear):	A11SW (N)	24	-	515405 173929
49	Motion Map Average Velocity -0.1 Gradient (mmyear):	A11SW (N)	27	-	515405 173925
50	Motion Map Average Velocity 0.4 Gradient (mmyear):	A11SW (E)	25	-	515536 173730
51	Motion Map Average Velocity -0.5 Gradient (mmyear):	A7NW (E)	25	-	515573 173694
51	Motion Map Average Velocity -0.3 Gradient (mmyear):	A7NW (E)	26	-	515571 173694
52	Motion Map Average Velocity 1.1 Gradient (mmyear):	A11SW (N)	28	-	515417 173903
53	Motion Map Average Velocity -0.3 Gradient (mmyear):	A6NE (S)	39	-	515298 173396
54	Motion Map Average Velocity -0.6 Gradient (mmyear):	A10SE (NW)	41	-	515189 173947
54	Motion Map Average Velocity -0.4 Gradient (mmyear):	A10SE (NW)	45	-	515189 173952

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	Motion Map Average Velocity 0.3 Gradient (mmyear):	A7NW (SE)	41	-	515517 173483
55	Motion Map Average Velocity 0.0 Gradient (mmyear):	A7NW (SE)	45	-	515517 173478
55	Motion Map Average Velocity -0.2 Gradient (mmyear):	A7NW (SE)	48	-	515515 173475
56	Motion Map Average Velocity -0.3 Gradient (mmyear):	A10SE (W)	41	-	515105 173713
56	Motion Map Average Velocity -0.6 Gradient (mmyear):	A10SE (W)	41	-	515102 173714
57	Motion Map Average Velocity 0.7 Gradient (mmyear):	A6NE (W)	47	-	515190 173688
58	Motion Map Average Velocity -0.6 Gradient (mmyear):	A7NW (E)	57	-	515683 173648
59	Motion Map Average Velocity -0.5 Gradient (mmyear):	A7NW (SE)	59	-	515522 173465
59	Motion Map Average Velocity -0.3 Gradient (mmyear):	A7NW (SE)	61	-	515526 173465
59	Motion Map Average Velocity 0.0 Gradient (mmyear):	A7NW (SE)	62	-	515521 173462
59	Motion Map Average Velocity 0.0 Gradient (mmyear):	A7NW (SE)	64	-	515525 173461
60	Motion Map Average Velocity 0.2 Gradient (mmyear):	A6NE (S)	59	-	515298 173376
60	Motion Map Average Velocity 0.1 Gradient (mmyear):	A6SE (S)	62	-	515294 173373
61	Motion Map Average Velocity -0.1 Gradient (mmyear):	A11SW (E)	60	-	515556 173770
62	Motion Map Average Velocity -0.7 Gradient (mmyear):	A6NE (W)	61	-	515103 173694
62	Motion Map Average Velocity 0.0 Gradient (mmyear):	A6NE (W)	65	-	515099 173690
63	Motion Map Average Velocity 0.2 Gradient (mmyear):	A11SW (E)	62	-	515593 173731
64	Motion Map Average Velocity 0.5 Gradient (mmyear):	A6NE (W)	62	-	515058 173710
64	Motion Map Average Velocity 0.8 Gradient (mmyear):	A6NE (W)	64	-	515055 173711
64	Motion Map Average Velocity 0.4 Gradient (mmyear):	A6NE (W)	66	-	515056 173707

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	Motion Map Average Velocity 0.5 Gradient (mmyear):	A6NE (W)	67	-	515054 173707
64	Motion Map Average Velocity 0.3 Gradient (mmyear):	A6NE (W)	70	-	515055 173703
64	Motion Map Average Velocity 0.4 Gradient (mmyear):	A6NE (W)	71	-	515052 173704
65	Motion Map Average Velocity 0.1 Gradient (mmyear):	A10SE (NW)	64	-	515199 173978
65	Motion Map Average Velocity 0.1 Gradient (mmyear):	A10SE (NW)	69	-	515196 173982
65	Motion Map Average Velocity -0.1 Gradient (mmyear):	A10SE (NW)	72	-	515193 173983
65	Motion Map Average Velocity 0.3 Gradient (mmyear):	A10SE (NW)	74	-	515195 173987
65	Motion Map Average Velocity 0.2 Gradient (mmyear):	A10SE (NW)	75	-	515193 173987
66	Motion Map Average Velocity -0.1 Gradient (mmyear):	A7NW (E)	64	-	515685 173668
67	Motion Map Average Velocity 0.3 Gradient (mmyear):	A10SE (NW)	68	-	515094 173934
67	Motion Map Average Velocity 0.3 Gradient (mmyear):	A10SE (NW)	73	-	515092 173938
68	Motion Map Average Velocity 1.8 Gradient (mmyear):	A7NW (SE)	69	-	515527 173456
68	Motion Map Average Velocity 2.0 Gradient (mmyear):	A7NW (SE)	70	-	515522 173453
68	Motion Map Average Velocity 1.9 Gradient (mmyear):	A7NW (SE)	72	-	515526 173453
68	Motion Map Average Velocity 1.9 Gradient (mmyear):	A7NW (SE)	74	-	515522 173449
68	Motion Map Average Velocity 1.9 Gradient (mmyear):	A7NW (SE)	76	-	515525 173448
69	Motion Map Average Velocity -1.8 Gradient (mmyear):	A6NE (W)	70	-	515197 173663
69	Motion Map Average Velocity -1.6 Gradient (mmyear):	A6NE (W)	74	-	515198 173658
70	Motion Map Average Velocity 0.6 Gradient (mmyear):	A11SW (N)	71	-	515451 174005
71	Motion Map Average Velocity 1.1 Gradient (mmyear):	A7NW (S)	72	-	515389 173399

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	Motion Map Average Velocity 0.5 Gradient (mmyear):	A7NW (S)	75	-	515387 173395
71	Motion Map Average Velocity 0.2 Gradient (mmyear):	A7NW (S)	80	-	515390 173390
71	Motion Map Average Velocity 0.1 Gradient (mmyear):	A7NW (S)	83	-	515388 173387
72	Motion Map Average Velocity 0.4 Gradient (mmyear):	A6SE (S)	73	-	515293 173361
72	Motion Map Average Velocity 0.3 Gradient (mmyear):	A6SE (S)	73	-	515289 173362
72	Motion Map Average Velocity 0.2 Gradient (mmyear):	A6SE (S)	77	-	515289 173358
72	Motion Map Average Velocity 0.4 Gradient (mmyear):	A6SE (S)	78	-	515294 173357
72	Motion Map Average Velocity 0.3 Gradient (mmyear):	A6SE (S)	82	-	515296 173352
72	Motion Map Average Velocity -0.8 Gradient (mmyear):	A6SE (S)	85	-	515291 173349
72	Motion Map Average Velocity 0.3 Gradient (mmyear):	A6SE (S)	87	-	515297 173348
73	Motion Map Average Velocity 0.0 Gradient (mmyear):	A6SE (S)	74	-	515327 173370
74	Motion Map Average Velocity 0.5 Gradient (mmyear):	A11SW (NE)	78	-	515509 173893
74	Motion Map Average Velocity 0.7 Gradient (mmyear):	A11SW (NE)	81	-	515510 173896
74	Motion Map Average Velocity 0.6 Gradient (mmyear):	A11SW (NE)	83	-	515514 173895
75	Motion Map Average Velocity 0.7 Gradient (mmyear):	A7NW (S)	80	-	515430 173406
75	Motion Map Average Velocity 0.5 Gradient (mmyear):	A7NW (S)	83	-	515429 173403
76	Motion Map Average Velocity 0.3 Gradient (mmyear):	A10NE (N)	80	-	515371 174069
76	Motion Map Average Velocity 0.1 Gradient (mmyear):	A10NE (N)	83	-	515374 174073
77	Motion Map Average Velocity -0.2 Gradient (mmyear):	A11SW (N)	80	-	515473 173976
78	Motion Map Average Velocity -0.2 Gradient (mmyear):	A10SE (N)	80	-	515253 174020

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
78	Motion Map Average Velocity 0.0 Gradient (mmyear):	A10SE (N)	82	-	515255 174023
79	Motion Map Average Velocity 0.6 Gradient (mmyear):	A6SE (S)	80	-	515263 173359
79	Motion Map Average Velocity 0.5 Gradient (mmyear):	A6SE (S)	84	-	515262 173355
80	Motion Map Average Velocity -0.5 Gradient (mmyear):	A11SW (NE)	81	-	515566 173796
80	Motion Map Average Velocity -0.3 Gradient (mmyear):	A11SW (NE)	83	-	515567 173800
80	Motion Map Average Velocity 0.2 Gradient (mmyear):	A11SW (NE)	86	-	515569 173804
80	Motion Map Average Velocity 0.0 Gradient (mmyear):	A11SW (NE)	86	-	515570 173800
81	Motion Map Average Velocity -0.7 Gradient (mmyear):	A6NE (W)	81	-	515096 173674
81	Motion Map Average Velocity -0.7 Gradient (mmyear):	A6NE (W)	81	-	515093 173675
81	Motion Map Average Velocity -1.0 Gradient (mmyear):	A6NE (W)	84	-	515095 173671
81	Motion Map Average Velocity -0.8 Gradient (mmyear):	A6NE (W)	85	-	515093 173671
82	Motion Map Average Velocity 0.3 Gradient (mmyear):	A6NE (W)	82	-	515049 173692
83	Motion Map Average Velocity 0.1 Gradient (mmyear):	A7NW (S)	83	-	515396 173389
84	Motion Map Average Velocity 0.4 Gradient (mmyear):	A6NE (W)	85	-	515050 173688
84	Motion Map Average Velocity 0.8 Gradient (mmyear):	A6NE (W)	94	-	515044 173681
84	Motion Map Average Velocity 1.0 Gradient (mmyear):	A6NE (W)	98	-	515042 173677
85	Motion Map Average Velocity 0.3 Gradient (mmyear):	A6SE (S)	88	-	515301 173347
85	Motion Map Average Velocity 0.3 Gradient (mmyear):	A6SE (S)	91	-	515298 173344
85	Motion Map Average Velocity 0.2 Gradient (mmyear):	A6SE (S)	92	-	515302 173343
85	Motion Map Average Velocity -0.1 Gradient (mmyear):	A6SE (S)	94	-	515295 173340

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	Motion Map Average Velocity 0.7 Gradient (mmyear):	A10SE (NW)	91	-	515086 173956
87	Motion Map Average Velocity 0.8 Gradient (mmyear):	A7NW (S)	91	-	515458 173405
88	Motion Map Average Velocity -0.2 Gradient (mmyear):	A10NE (N)	93	-	515330 174069
88	Motion Map Average Velocity -0.1 Gradient (mmyear):	A10NE (N)	98	-	515328 174074
89	Motion Map Average Velocity 0.3 Gradient (mmyear):	A6SE (S)	99	-	515338 173348
90	Motion Map Average Velocity 0.5 Gradient (mmyear):	A6SE (S)	99	-	515310 173337

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

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	TQ1674	1960








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

1:10,560	Mapsheet	Published Date
Surrey	006_00	1871
London	009_SE	1896
Middlesex	020_SE	1896
Surrey	006_NE	1898
Surrey	006_NE	1920
Middlesex	020_SE	1920
Middlesex	020_SE	1934
Surrey	006_NE	1938
Ordnance Survey Plan	TQ17NE	1949
Ordnance Survey Plan	TQ17SE	1949
Ordnance Survey Plan	TQ17NW	1960
Ordnance Survey Plan	TQ17SW	1960
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	TQ17SW	1985
Ordnance Survey Plan	TQ17NE	1988
Ordnance Survey Plan	TQ17SE	1992
Ordnance Survey Plan	TQ17NW	1995

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2014	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Mining Report Service	December 2013	As notified
Man Made Mining Cavities Peter Brett Associates	October 2013	Bi-Annually
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Natural Cavities Peter Brett Associates	October 2013	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features Landmark Information Group Limited	April 2014	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Subsidence Insurance Claims SP Property Services	February 2014	Quarterly
Subsidence Investigations CET Structures Ltd	February 2014	Quarterly

Motion Map Data (1:2,500)	Version	Update Cycle
Motion Map		
Nigel Press Associates - Hampshire	February 2011	As notified
Nigel Press Associates - Cambridge	January 2011	As notified
Nigel Press Associates - Ipswich	January 2011	As notified
Nigel Press Associates - Norwich	January 2011	As notified
Nigel Press Associates - Peterborough	January 2011	As notified
Nigel Press Associates - Barnstaple	July 2010	As notified
Nigel Press Associates - Derbyshire	July 2010	As notified
Nigel Press Associates - Humberside	July 2010	As notified
Nigel Press Associates - Kent	July 2010	As notified
Nigel Press Associates - Lincolnshire	July 2010	As notified
Nigel Press Associates - Nottinghamshire	July 2010	As notified
Nigel Press Associates - Birmingham	May 2009	As notified
Nigel Press Associates - Bournemouth	May 2009	As notified
Nigel Press Associates - Brighton	May 2009	As notified
Nigel Press Associates - Bristol	May 2009	As notified
Nigel Press Associates - Cardiff	May 2009	As notified
Nigel Press Associates - Central London	May 2009	As notified
Nigel Press Associates - Cheltenham	May 2009	As notified
Nigel Press Associates - Coventry	May 2009	As notified
Nigel Press Associates - Crawley	May 2009	As notified
Nigel Press Associates - Edinburgh	May 2009	As notified
Nigel Press Associates - Exeter	May 2009	As notified
Nigel Press Associates - Glasgow	May 2009	As notified
Nigel Press Associates - Isle of Wight	May 2009	As notified
Nigel Press Associates - Leeds	May 2009	As notified
Nigel Press Associates - Leicester	May 2009	As notified
Nigel Press Associates - Liverpool	May 2009	As notified
Nigel Press Associates - Manchester	May 2009	As notified
Nigel Press Associates - Milton Keynes	May 2009	As notified
Nigel Press Associates - Newcastle	May 2009	As notified
Nigel Press Associates - Northwich	May 2009	As notified
Nigel Press Associates - Nottingham	May 2009	As notified
Nigel Press Associates - Oxford	May 2009	As notified
Nigel Press Associates - Plymouth	May 2009	As notified
Nigel Press Associates - Portsmouth	May 2009	As notified
Nigel Press Associates - Preston	May 2009	As notified
Nigel Press Associates - Reading	May 2009	As notified
Nigel Press Associates - Sheffield	May 2009	As notified
Nigel Press Associates - Stoke	May 2009	As notified
Nigel Press Associates - Swindon	May 2009	As notified
Nigel Press Associates - Tonbridge	May 2009	As notified
Nigel Press Associates - North London	November 2008	As notified
Nigel Press Associates - Head Office	September 2008	As notified

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	
The Coal Authority	
Ove Arup	
Peter Brett Associates	
Wardell Armstrong	
Johnson Poole & Bloomer	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham 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)
- X Bearing Reference Point
- Map ID
- Several of Type at Location

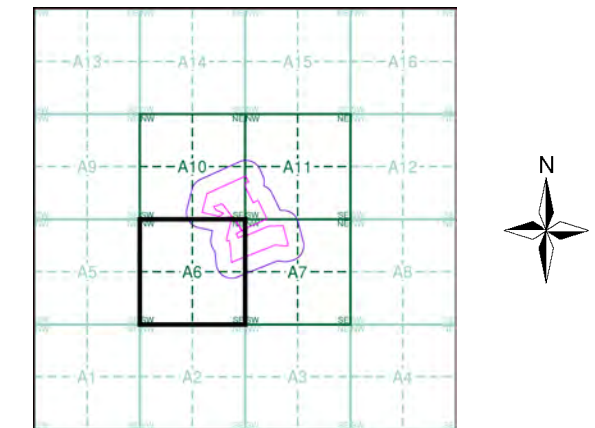
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	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 A6

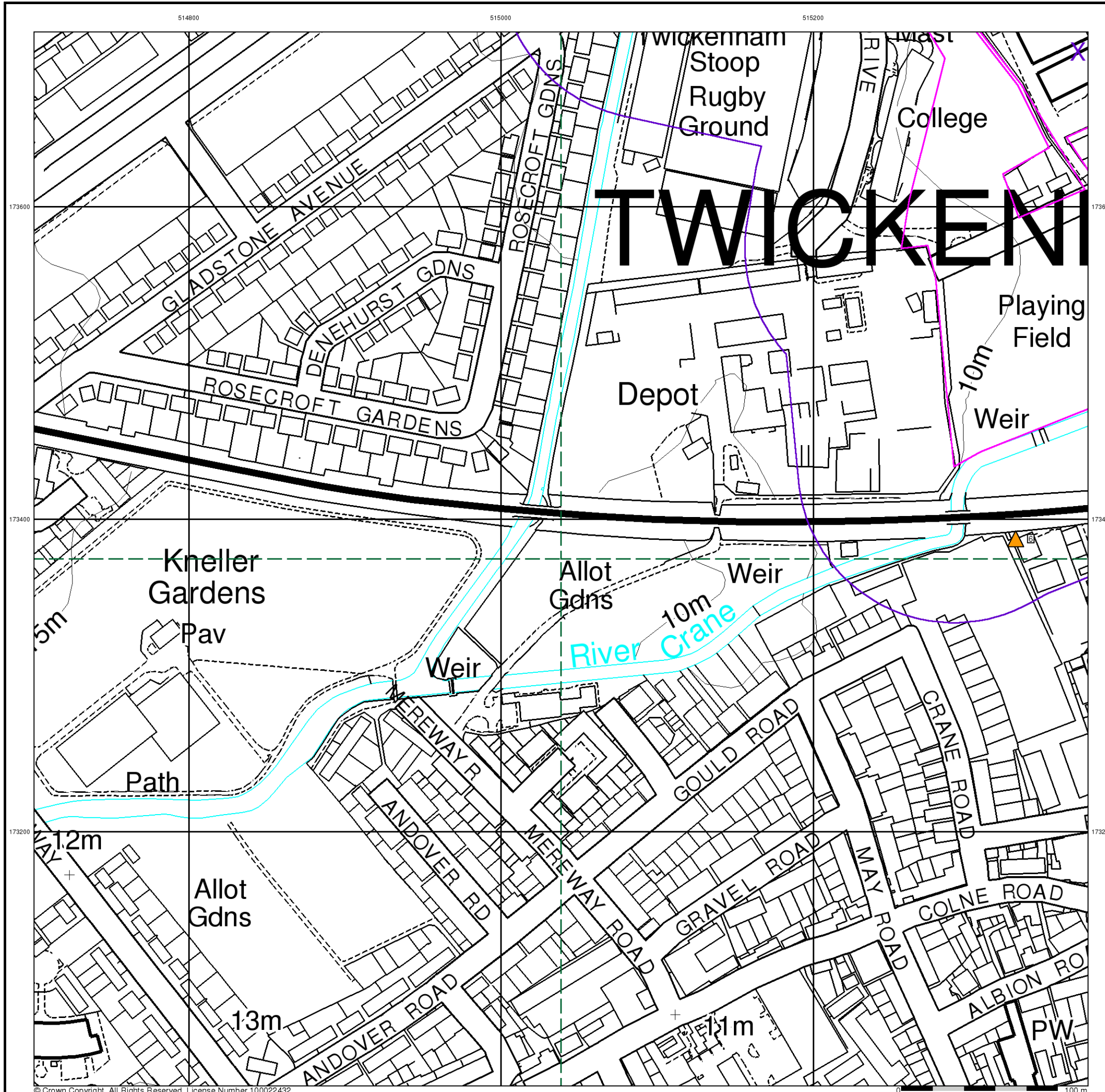


Order Details

Order Number: 56081832_1_1
 Customer Ref: CC747
 National Grid Reference: 515370, 173700
 Slice: A
 Site Area (Ha): 12.71
 Plot Buffer (m): 100

Site Details

Richmond-upon-Thames College, Egerton Road,
 TWICKENHAM, TW2 7SJ



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Historical Land Use Information (1:2,500)

General

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

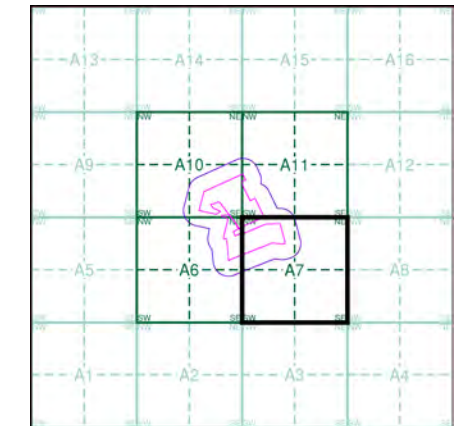
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909			
Extractive Industries Activity from 1893 - 1915			
Extractive Industries Activity from 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 A7

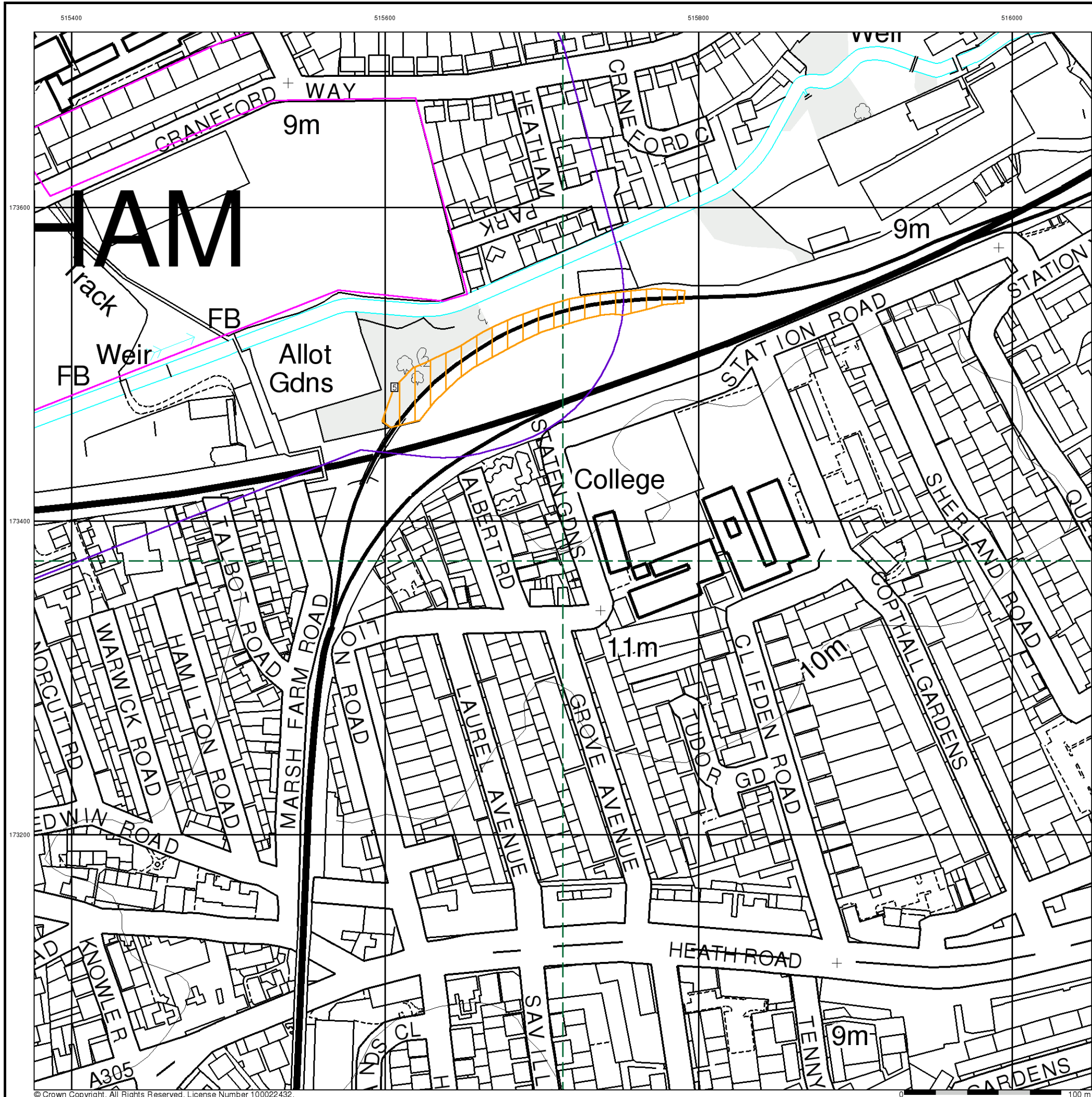


Order Details

Order Number: 56081832_1_1
 Customer Ref: CC747
 National Grid Reference: 515370, 173700
 Slice: A
 Site Area (Ha): 12.71
 Plot Buffer (m): 100

Site Details

Richmond-upon-Thames College, Egerton Road,
 TWICKENHAM, TW2 7SJ



Historical Land Use Information (1:2,500)

General

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

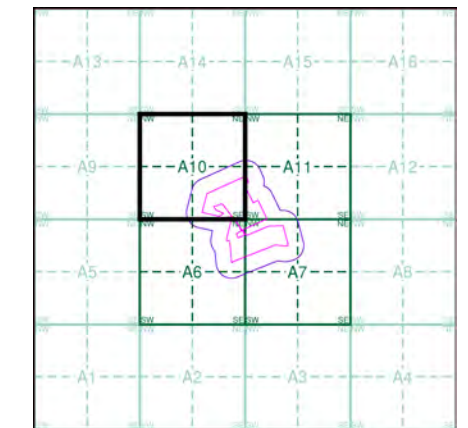
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	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 A10

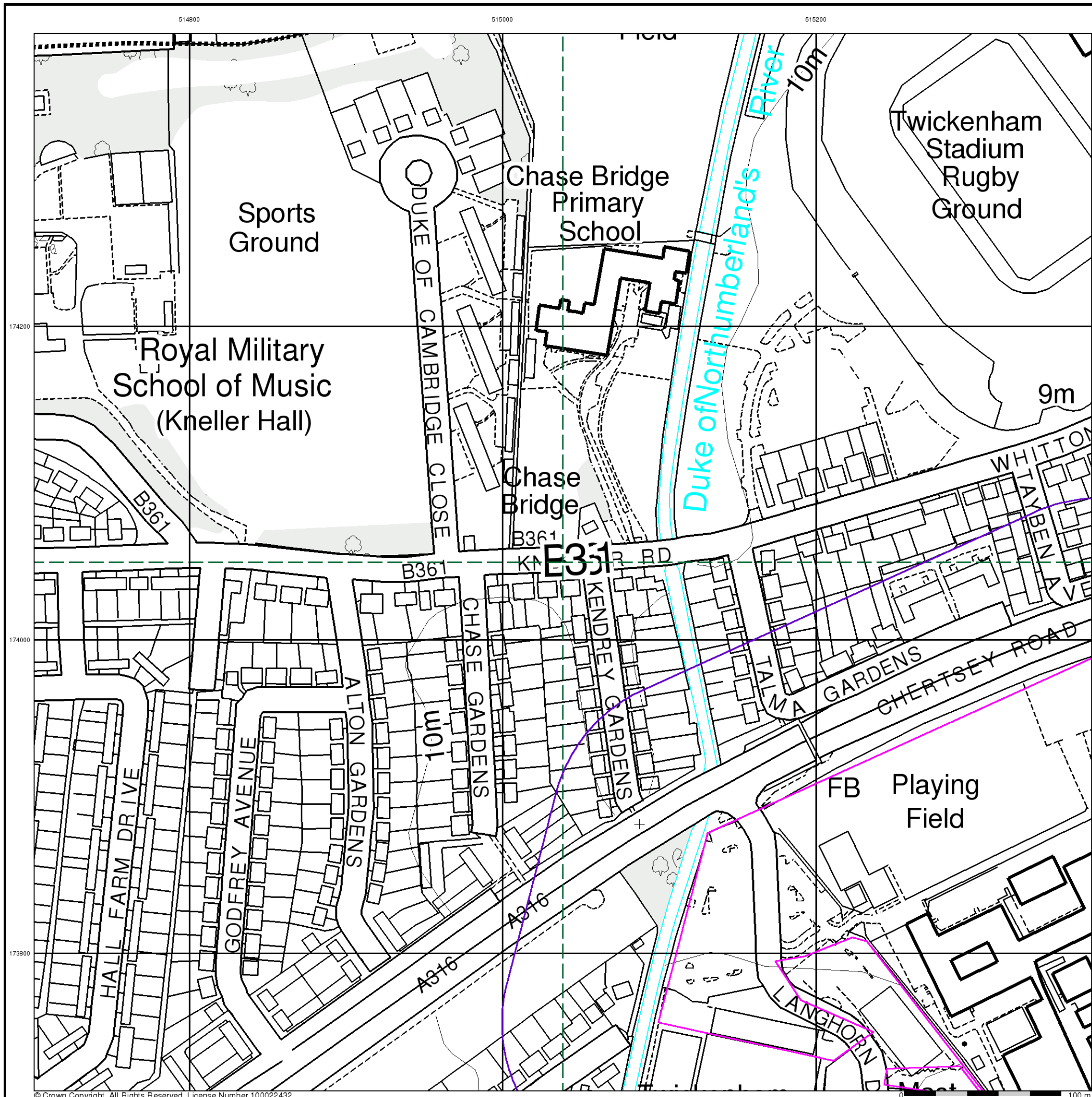


Order Details

Order Number: 56081832_1_1
 Customer Ref: CC747
 National Grid Reference: 515370, 173700
 Slice: A
 Site Area (Ha): 12.71
 Plot Buffer (m): 100

Site Details

Richmond-upon-Thames College, Egerton Road,
 TWICKENHAM, TW2 7SJ



Historical Land Use Information (1:2,500)

General

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

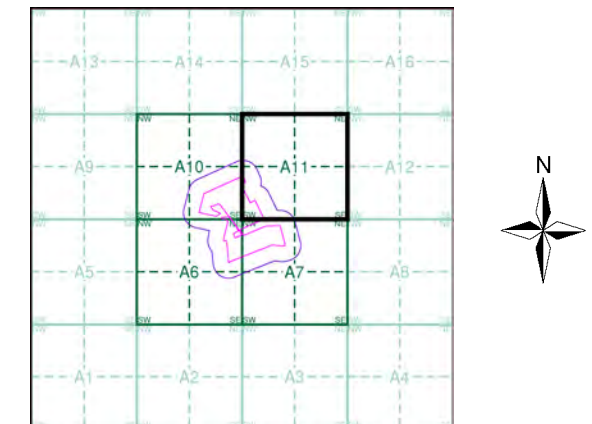
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	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 A11

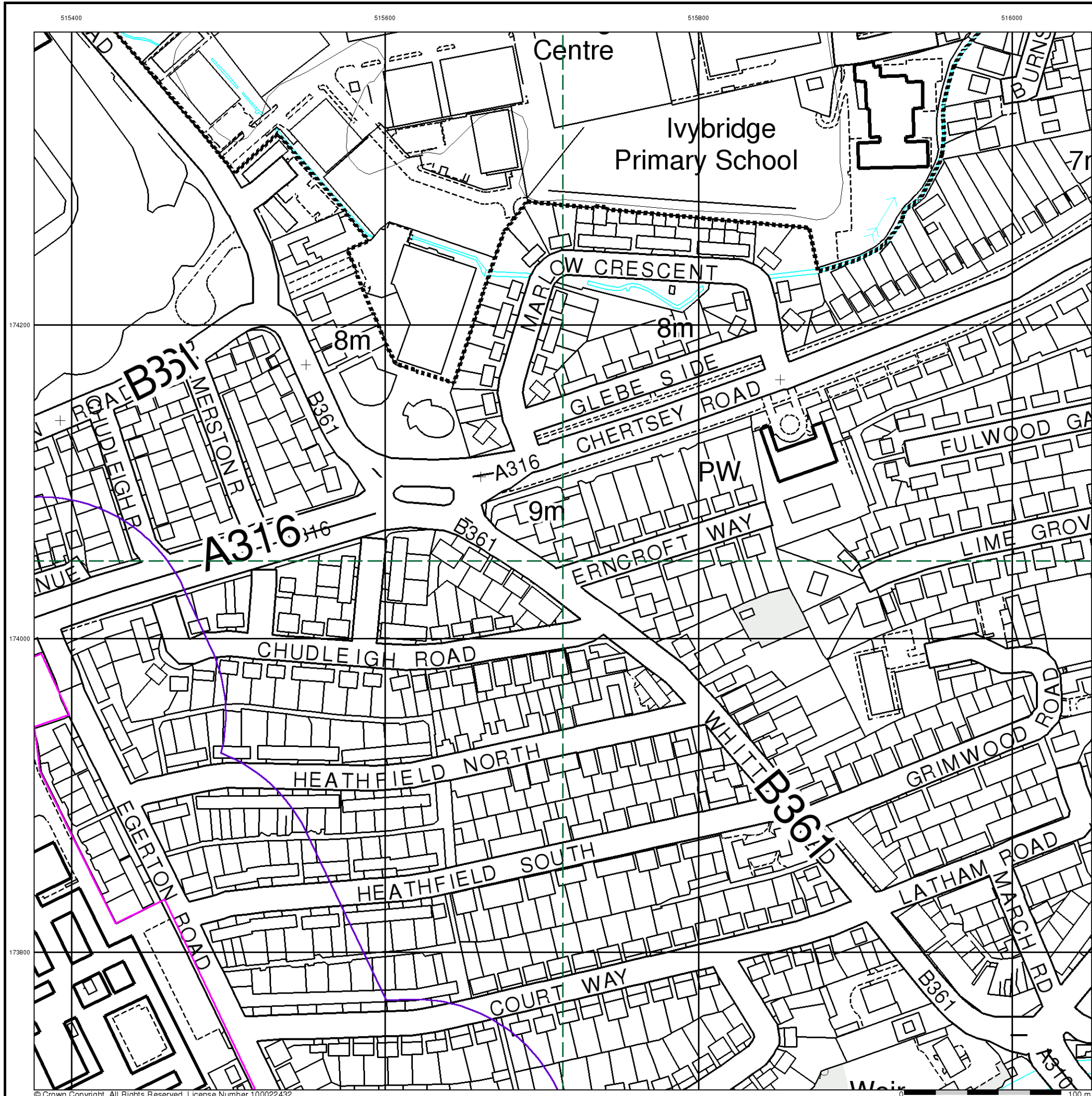


Order Details

Order Number: 56081832_1_1
 Customer Ref: CC747
 National Grid Reference: 515370, 173700
 Slice: A
 Site Area (Ha): 12.71
 Plot Buffer (m): 100

Site Details

Richmond-upon-Thames College, Egerton Road,
 TWICKENHAM, TW2 7SJ



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Motion Map Data (1:2,500)

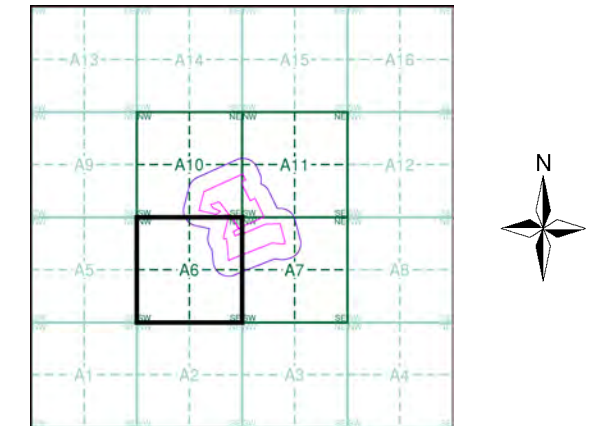
General

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

Average Velocity Gradient

- Upward Movement > 3.5mm per year ●
- Upward Movement 1.5mm to 3.5mm per year ●
- Stable 1.5mm to -1.5mm per year ●
- Downward Movement -1.5mm to -3.5mm per year ●
- Downward Movement > -3.5mm per year ●

Mining and Ground Stability - Segment A6

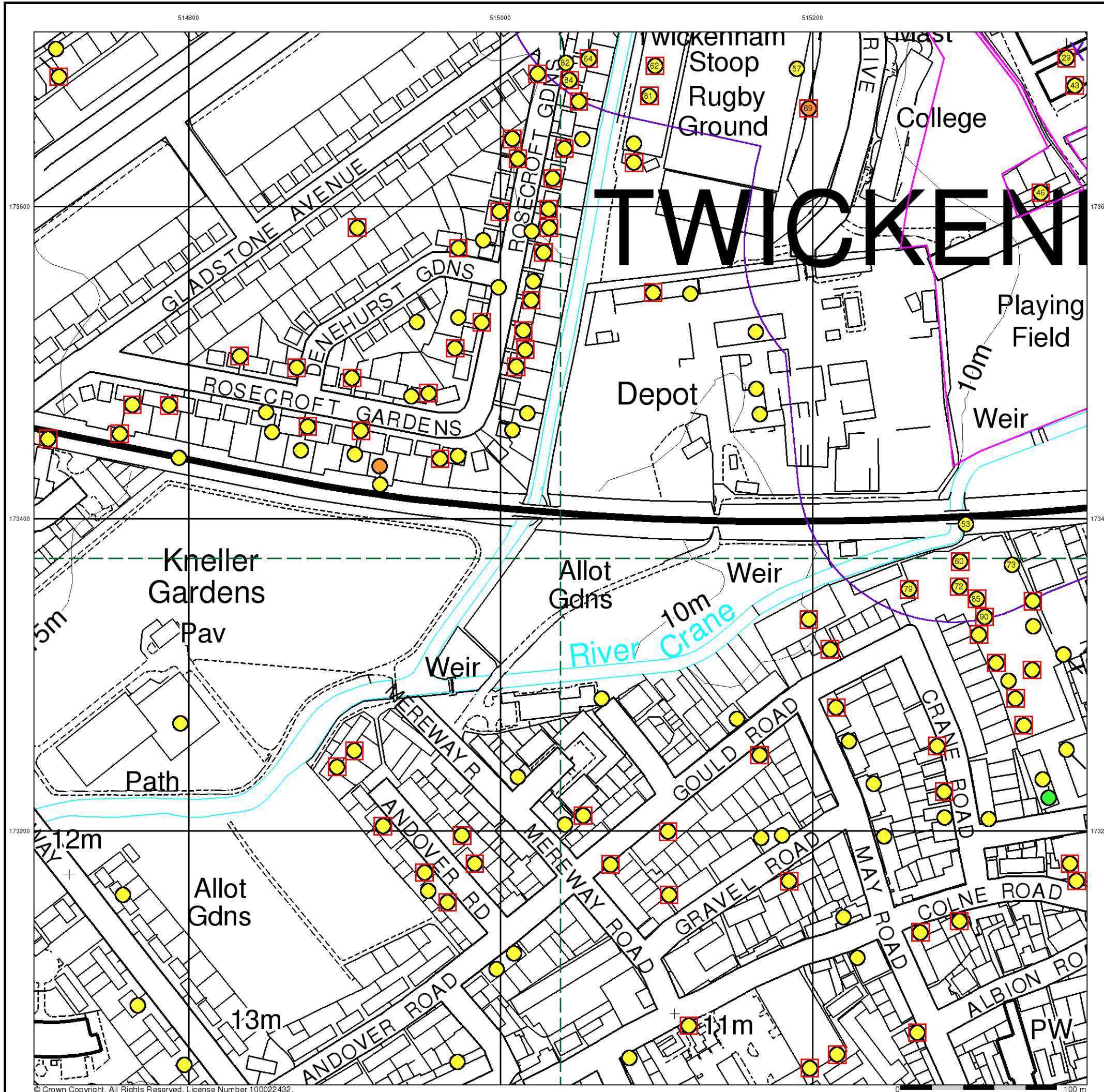


Order Details

Order Number: 56081832_1_1
 Customer Ref: CC747
 National Grid Reference: 515370, 173700
 Slice: A
 Site Area (Ha): 12.71
 Plot Buffer (m): 100

Site Details

Richmond-upon-Thames College, Egerton Road,
 TWICKENHAM, TW2 7SJ



Motion Map Data (1:2,500)

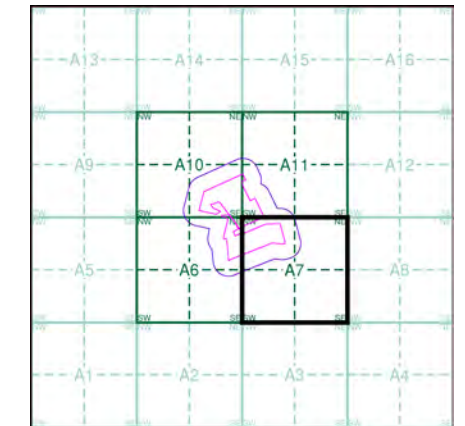
General

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

Average Velocity Gradient

- Upward Movement > 3.5mm per year ●
- Upward Movement 1.5mm to 3.5mm per year ●
- Stable 1.5mm to -1.5mm per year ●
- Downward Movement -1.5mm to -3.5mm per year ●
- Downward Movement > -3.5mm per year ●

Mining and Ground Stability - Segment A7



Order Details

Order Number: 56081832_1_1
 Customer Ref: CC747
 National Grid Reference: 515370, 173700
 Slice: A
 Site Area (Ha): 12.71
 Plot Buffer (m): 100

Site Details

Richmond-upon-Thames College, Egerton Road,
 TWICKENHAM, TW2 7SJ

