Appendix G
EnviroCheck Flood Report

132 Pages

Envirocheck® Report:

Flood Screening Report Datasheet

Order Details:

Order Number:
38714560_1_1

Customer Reference:
29421-09-po244230

National Grid Reference:
374450, 440480

Slice:
A

Site Area (Ha):
51.39

Search Buffer (m):
1000

Site Details:

Site at
Clitheroe
Lancashire

Client Details:

Mr R Breakspear
AMEC Environment & Infrastructure UK Limited
155 Aztec West
Park Avenue
Almondsbury
Bristol
BS32 4UB

Contents

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer(s) selected. For ease of reference, the report is broken down into seven sections of data.	
EA / CEH Flood Data	1
This section details data from the Environment Agency and the Centre for Ecology and Hydrology. 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. The CEH data is reported to a distance of 250m from the edge of the site polygon and covers flood data for Scotland, divided into levels based on the frequency and magnitude of a predicted 100 year term. All data sets within this section are plotted and feature on the EA / CEH Flood Data (1:10 000) map. For added value, OS Contour data is also plotted, detailing contours spot heights and air heights.	
RMS Flood Data	2
This section contains the Risk Management Solutions flood data. The data is based upon the likelihood of a flood occurence for 3 flood return periods; these being 75 years, 100 years and 1000 years. 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. 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.	
BGS Flood Data	3
This section contains two BGS data sets; namely Geological Indicators of Flooding and Groundwater Flooding Susceptibility, both of which report features out to a possible 1000m, with coverage in England, Wales and Scotland. Each data set is plotted on a seperate BGS Flood Data (1:50,000) map.	
EA Detailed River Network Data	10
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. The DRN Lines data set details all the types of rivers, drains and streams which can be found in England and Wales. 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. 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. 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.	
EA Historic Flood Events Data	-
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. Also included in this section is Landmark's Historical Flood Liabilities data set, which identifies areas that are liable to flood based on systematic analysis of historical mapping dating back to the mid 19th century. Both data sets within this section are plotted and feature on the EA Historical Flood (1:10,000) map. For added value, OS Contour data is also plotted, detailing contours, spot heights and air heights.	

Contents

EA NaFRA Data	**23**

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)

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 assessed if there are properties within the impact cells where EA have assessed the flood risk.

The data within this section is plotted and feature on the EA NaFRA Data (1:50 000) map.

Flood Insurance Risk Data	**30**

This section contains two sources of flood risk data from Aviva and Crawford and Company. Neither data sets are plotted on any of the associated Flood maps

Aviva has generated a detailed flood risk assessment to accurately evaluate the flood risk for individual customers. The information from this assessment has been used to define a risk model detailing 5 levels of flood risk, based on the individual properties rather than the postcode. The flood risk assessment undertaken by Aviva is for river flooding and coastal flooding only, and does not include groundwater, flash or sewerage flooding. Only the worst case flood risk is reported for the site

Crawford & Co have generated an Insurance Claims rating for Flood Risk. The risk is determined by comparing the number of flood insurance claims made to the number of properties in the postcode sector. The data will also include flood claims from domestic accidents or blocked drains, as well as flooding from river or tidal events. Flood insurance claim ratings are reported for the site only.

Data Currency	**31**
Data Suppliers	**32**
Useful Contacts	**33**

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Summary

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	2	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 1	1	2	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	3	8	n/a	n/a
RMS 100 year Flood Return	pg 2	3	3	n/a	n/a
RMS 1000 year Flood Return	pg 2	2	1	n/a	n/a
BGS Flood Data					
BGS Geological Indicators of Flooding	pg 3			1	1
BGS Groundwater Flooding Susceptibility	pg 3	16	29	33	72
EA Detailed River Network Data					
Detailed River Network Lines	pg 10	2	13	17	29
Detailed River Network Nodes	pg 20	1	11	11	27
Detailed River Network Offline Drainage	pg 22	1	3	1	2
EA Historic Flood Events Data					
Historic Flood Events					
Historical Flood Liabilities					
EA National Flood Risk Assessment Data					
National Flood Risk Assessment	pg 23	1	31	20	39
Flood Insurance Risk Data					
Property-based Flood Risk		1	n/a	n/a	n/a
Postcode Sector Flood Insurance Claim Ratings	pg 30	1	n/a	n/a	n/a

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EA / CEH Flood Data

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	A11NW (W)	0	1	374396 440494
	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	A16NW (NE)	102	1	375118 441259
	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	A10NE (NW)	219	1	374010 440682
	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	A11NW (W)	0	1	374393 440468
	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	A16NW (NE)	103	1	375120 441269
	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)	220	1	374007 440681
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				

RMS Flood Data

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	A12NW (NE)	0	2	374877 440710
	RMS 75 year Flood Return Flood Type/Depth: 75 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A11NW (W)	0	2	374415 440484
	RMS 75 year Flood Return Flood Type/Depth: 75 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A11NE (NE)	0	2	374481 440545
	RMS 75 year Flood Return Flood Type/Depth: 75 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A16NE (NE)	40	2	375208 441153
	RMS 75 year Flood Return Flood Type/Depth: 75 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A12NE (E)	56	2	375171 440430
	RMS 75 year Flood Return Flood Type/Depth: 75 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A16NW (NE)	73	2	375077 441209
	RMS 75 year Flood Return Flood Type/Depth: 75 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A15SW (NW)	96	2	374187 440880
	RMS 75 year Flood Return Flood Type/Depth: 75 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A15SW (NW)	110	2	374154 440825
	RMS 75 year Flood Return Flood Type/Depth: 75 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A16NW (NE)	119	2	375011 441154
	RMS 75 year Flood Return Flood Type/Depth: 75 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A16SE (NE)	125	2	375437 441040
	RMS 75 year Flood Return Flood Type/Depth: 75 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A12SE (SE)	243	2	375202 440096
	RMS 100 year Flood Return Flood Type/Depth: 100 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A12NW (NE)	0	2	374877 440710
	RMS 100 year Flood Return Flood Type/Depth: 100 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A11NW (N)	0	2	374448 440489
	RMS 100 year Flood Return Flood Type/Depth: 100 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A11NE (NE)	0	2	374481 440545
	RMS 100 year Flood Return Flood Type/Depth: 100 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A12NE (E)	56	2	375171 440430
	RMS 100 year Flood Return Flood Type/Depth: 100 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A15SW (NW)	79	2	374187 440825
	RMS 100 year Flood Return Flood Type/Depth: 100 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A16NW (NE)	119	2	374978 441154
	RMS 1000 year Flood Return Flood Type/Depth: 1000 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A11NW (W)	0	2	374448 440484
	RMS 1000 year Flood Return Flood Type/Depth: 1000 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A15SE (NE)	0	2	374747 440988
	RMS 1000 year Flood Return Flood Type/Depth: 1000 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	A15SE (N)	6	2	374483 440934

BGS Flood Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Geological Indicators of Flooding Flooding Type: Inland Flooding Flood Potential Code: Higher flood potential from rivers: the first areas to experience the effects of inland flooding in a river catchment.	A10NE (W)	349	3	373837 440631
	BGS Geological Indicators of Flooding Flooding Type: Inland Flooding Flood Potential Code: Higher flood potential from rivers: the first areas to experience the effects of inland flooding in a river catchment.	(N)	962	3	375001 442083
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A11NE (E)	0	3	374501 440484
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A12NW (E)	0	3	375000 440484
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A11NW (NW)	0	3	374301 440651
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A11NE (NE)	0	3	374801 440651
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	A11NW (NW)	0	3	374351 440551
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A11NE (E)	0	3	374551 440451
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	A16SW (NE)	0	3	375101 440901
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A11NE (NE)	0	3	374551 440701
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A11NE (NE)	0	3	374501 440601
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	A12NW (E)	0	3	375000 440601
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A15SE (NE)	0	3	374601 440801
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A11NW (NW)	0	3	374401 440551
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A16SW (NE)	0	3	375051 440801
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A11NW (N)	0	3	374449 440551
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	A11NW (NW)	0	3	374251 440651
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	A11NW (W)	0	3	374449 440484
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A16SW (NE)	14	3	374951 441001
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	A12SW (E)	15	3	375000 440351
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A11SW (S)	29	3	374401 440351
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A11NW (W)	32	3	374351 440501

BGS Flood Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	A11NW (W)	43	3	374351 440484
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	A12NE (E)	43	3	375450 440751
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	A15SW (N)	55	3	374449 440901
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(E)	93	3	375500 440851
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A11SW (SW)	101	3	374351 440401
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A14SE (NW)	118	3	374101 440801
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A11SW (S)	137	3	374450 440251
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A16NE (NE)	139	3	375251 441251
	BGS Groundwater Flooding Susceptibility Flooding Type: Negligible Susceptibility to Groundwater Flooding	A11NW (W)	142	3	374251 440484
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A11SE (SE)	149	3	374600 440251
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A11NW (W)	165	3	374151 440501
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(E)	169	3	375550 440751
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A11SE (SE)	176	3	374700 440251
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A11SW (SW)	184	3	374301 440301
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	A11SE (SE)	195	3	374600 440201
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A12SW (SE)	196	3	375000 440251
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A12SE (E)	199	3	375300 440351
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A15NW (N)	216	3	374351 441101
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	A14SE (NW)	217	3	374051 440851
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A10NE (W)	233	3	374101 440484
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	A11SW (S)	233	3	374450 440151
	BGS Groundwater Flooding Susceptibility Flooding Type: Negligible Susceptibility to Groundwater Flooding	A11SW (W)	239	3	374201 440401

BGS Flood Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	A16NW (NE)	242	3	374851 441301
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A12SW (SE)	245	3	375000 440201
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(E)	250	3	375650 440951
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A12SE (E)	252	3	375250 440251
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A14SE (NW)	260	3	374101 441051
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A12SW (SE)	267	3	375100 440201
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A14SE (NW)	269	3	374051 441001
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A15NW (NW)	269	3	374151 441101
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A12SW (SE)	283	3	374950 440151
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A14SE (NW)	295	3	374001 440951
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(NE)	316	3	375101 441451
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A12SW (SE)	327	3	375150 440151
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A10NE (W)	331	3	373901 440601
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A12SE (SE)	335	3	375200 440151
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A10NE (W)	341	3	373901 440551
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	A10NE (W)	358	3	373901 440484
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A11SW (SW)	364	3	374250 440101
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A14NE (NW)	367	3	374001 441101
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A14SE (NW)	380	3	373951 441051
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A7NW (S)	383	3	374449 440001
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A14SE (NW)	390	3	373901 440951
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A8NW (SE)	392	3	375000 440051

BGS Flood Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A14SE (NW)	406	3	373901 441001
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A14NE (NW)	407	3	374051 441201
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A10NE (W)	409	3	373901 440451
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A8NW (SE)	424	3	375150 440051
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	A7NE (S)	433	3	374500 439951
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A14NE (NW)	438	3	374001 441201
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A10NW (W)	438	3	373801 440551
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(E)	439	3	375550 440301
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A8NW (SE)	440	3	375000 440001
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A10NW (W)	452	3	373801 440501
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	A14NE (NW)	472	3	373951 441201
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(N)	486	3	374301 441451
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(N)	495	3	374901 441601
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(N)	498	3	374351 441501
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	A8NE (SE)	504	3	375300 440001
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A10NW (W)	516	3	373751 440484
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(N)	519	3	374401 441551
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(N)	519	3	374251 441451
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A15NW (N)	522	3	374201 441401
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	(N)	525	3	374301 441501
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	A14NW (NW)	537	3	373801 441101
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A14SW (NW)	538	3	373701 440801

BGS Flood Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A10SE (W)	547	3	373851 440301
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(N)	549	3	374449 441601
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	(N)	554	3	374201 441451
	BGS Groundwater Flooding Susceptibility Flooding Type: Negligible Susceptibility to Groundwater Flooding	(N)	556	3	374251 441501
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	(N)	566	3	374401 441601
	BGS Groundwater Flooding Susceptibility Flooding Type: Negligible Susceptibility to Groundwater Flooding	(N)	567	3	374301 441551
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A14NW (NW)	582	3	373751 441101
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A14NW (NW)	587	3	373801 441201
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(N)	590	3	374951 441701
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(E)	593	3	376000 440901
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(N)	597	3	374449 441651
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	A14NW (NW)	604	3	373751 441151
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(E)	610	3	375750 440351
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	A14SW (NW)	611	3	373701 441051
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A14NW (NW)	628	3	373701 441101
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(NE)	629	3	375151 441801
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(N)	635	3	374451 441701
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(E)	640	3	376000 440501
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	(N)	646	3	374449 441701
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A8NW (SE)	646	3	375050 439801
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SE)	658	3	375550 439951
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(NE)	678	3	375301 441801

BGS Flood Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(N)	679	3	374501 441751
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(N)	685	3	374451 441751
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A14SW (W)	686	3	373551 440801
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A7SE (S)	703	3	374700 439701
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(E)	708	3	375800 440201
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A10NW (W)	728	3	373501 440701
	BGS Groundwater Flooding Susceptibility Flooding Type: Negligible Susceptibility to Groundwater Flooding	(N)	735	3	374151 441651
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(E)	738	3	375750 440051
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(NW)	740	3	374001 441551
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A7SW (S)	765	3	374150 439701
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A6NE (SW)	767	3	374050 439751
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	(N)	768	3	374101 441651
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	(N)	775	3	374151 441701
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	A9NE (W)	778	3	373451 440651
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	(N)	784	3	374451 441851
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	(N)	789	3	374201 441751
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(N)	801	3	374051 441651
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(N)	806	3	374101 441701
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	(NW)	806	3	373951 441601
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(E)	809	3	376000 440301
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	(N)	809	3	374251 441801
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	A6SE (SW)	810	3	374050 439701

BGS Flood Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	A7SW (S)	811	3	374150 439651
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A6NE (SW)	818	3	373900 439801
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A9NE (W)	828	3	373401 440651
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(N)	833	3	374201 441801
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(E)	839	3	376150 440484
	BGS Groundwater Flooding Susceptibility Flooding Type: Negligible Susceptibility to Groundwater Flooding	A6SE (SW)	853	3	374050 439651
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(N)	854	3	374251 441851
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	A6NE (SW)	855	3	373900 439751
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(N)	858	3	374151 441801
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A7SE (S)	861	3	374750 439551
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	(E)	864	3	376100 440351
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(N)	878	3	374501 441951
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	A6NW (SW)	879	3	373701 439951
	BGS Groundwater Flooding Susceptibility Flooding Type: Negligible Susceptibility to Groundwater Flooding	(N)	898	3	373951 441701
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	(N)	901	3	374151 441851
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(N)	915	3	374051 441801
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	A9SE (W)	943	3	373351 440351
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(N)	961	3	374351 442001
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A6NW (SW)	971	3	373551 440001
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	A6NW (SW)	973	3	373501 440051

EA Detailed River Network Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Detailed River Network Lines** River Type: Tertiary River River Name: Drain Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen Rhyne Drain) Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A11NW (N)	0	1	374435 440541
2	**Detailed River Network Lines** River Type: Secondary River River Name: Drain Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen Rhyne Drain) Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A11NW (NW)	0	1	374369 440553
3	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A11NW (W)	16	1	374384 440469
4	**Detailed River Network Lines** River Type: Secondary River River Name: Pendleton Brook Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A11SW (SW)	31	1	374393 440418
5	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A11SW (SW)	56	1	374393 440418
6	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A16NE (NE)	78	1	375182 441216

EA Detailed River Network Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Detailed River Network Lines** River Type: Tertiary River River Name: Drain Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen Rhyne Drain) Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A11SE (SE)	80	1	374646 440367
8	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A11SE (SE)	81	1	374611 440361
9	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A11SE (SE)	81	1	374611 440361
10	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A16NE (NE)	84	1	375180 441219
11	**Detailed River Network Lines** River Type: Tertiary River River Name: Drain Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen Rhyne Drain) Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A11SE (SE)	92	1	374646 440367
12	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A12SW (E)	110	1	375039 440318

EA Detailed River Network Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	**Detailed River Network Lines** River Type: Secondary River River Name: Pendleton Brook Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A12SW (E)	140	1	375039 440318
14	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A16NW (NE)	206	1	375063 441433
15	**Detailed River Network Lines** River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A12SE (E)	213	1	375354 440418
16	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A16NW (NE)	256	1	375075 441374
17	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A12NE (E)	280	1	375442 440468
18	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A16NW (NE)	316	1	375059 441434

EA Detailed River Network Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	**Detailed River Network Lines** River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A12SE (E)	322	1	375220 440168
20	**Detailed River Network Lines** River Type: Primary River River Name: Mearley Brook Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Flood Risk Management Indicative/Statutory Main River Water Course Name: PENDLETON/MEARLEY BROOK Water Course Reference: PEBR	A14SE (NW)	345	1	373851 440821
21	**Detailed River Network Lines** River Type: Lake/Reservoir River Name: Mearley Brook Hydrographic Area: D011 River Flow Type: Secondary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A14SE (NW)	355	1	373904 440929
22	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A12SE (SE)	374	1	375269 440127
23	**Detailed River Network Lines** River Type: Primary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Flood Risk Management Indicative/Statutory Main River Water Course Name: PENDLETON/MEARLEY BROOK Water Course Reference: PEBR	A14NE (NW)	383	1	374086 441195
24	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A12SE (SE)	402	1	375299 440107

EA Detailed River Network Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A12SE (SE)	403	1	375299 440107
26	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A8NE (SE)	460	1	375320 440054
27	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A8NE (SE)	460	1	375320 440054
28	**Detailed River Network Lines** River Type: Primary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Currently Undefined Water Course Name: PENDLETON/MEARLEY BROOK Water Course Reference: PEBR	A14SW (NW)	467	1	373768 440776
29	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A8NE (SE)	469	1	375290 440032
30	**Detailed River Network Lines** River Type: Tertiary River River Name: Drain Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen Rhyne Drain) Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A8NE (SE)	469	1	375316 440043

EA Detailed River Network Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Secondary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A12SE (E)	483	1	375486 440134
32	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A12SE (E)	483	1	375486 440134
33	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A7NE (S)	511	1	374607 439878
34	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A7NE (S)	514	1	374602 439875
35	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A7NE (S)	514	1	374602 439875
36	**Detailed River Network Lines** River Type: Tertiary River River Name: Drain Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen Rhyne Drain) Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A10NW (W)	517	1	373718 440612

EA Detailed River Network Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	**Detailed River Network Lines** River Type: Primary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Flood Risk Management Indicative/Statutory Main River Water Course Name: PENDLETON/MEARLEY BROOK Water Course Reference: PEBR	A10NW (W)	535	1	373695 440646
38	**Detailed River Network Lines** River Type: Primary River River Name: Pendleton Brook Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Flood Risk Management Indicative/Statutory Main River Water Course Name: PENDLETON/MEARLEY BROOK Water Course Reference: PEBR	A10NW (W)	544	1	373687 440641
39	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A6NE (SW)	599	1	374140 439893
40	**Detailed River Network Lines** River Type: Secondary River River Name: Pendleton Brook Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A8NE (SE)	694	1	375324 439805
41	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A8NE (SE)	694	1	375364 439822
42	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A6NE (SW)	754	1	373936 439856

EA Detailed River Network Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	**Detailed River Network Lines** River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A6NE (SW)	758	1	373905 439880
44	**Detailed River Network Lines** River Type: Secondary River River Name: Barrow Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A6NE (SW)	776	1	373831 439940
45	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A7SW (S)	834	1	374375 439564
46	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A6NE (SW)	860	1	373826 439815
47	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A7SW (S)	865	1	374324 439545
48	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A6NW (SW)	890	1	373677 439970

EA Detailed River Network Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
49	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A6NW (SW)	905	1	373675 439942
50	**Detailed River Network Lines** River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A7SW (S)	905	1	374271 439516
51	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A8SW (SE)	939	1	375123 439518
52	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A7SW (S)	942	1	374197 439496
53	**Detailed River Network Lines** River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A6NW (SW)	951	1	373639 439913
54	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A8SW (SE)	960	1	375075 439486

EA Detailed River Network Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A8SW (SE)	960	1	375079 439486
56	**Detailed River Network Lines** River Type: Secondary River River Name: Barrow Clough Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A6NW (SW)	968	1	373559 439986
57	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A6NW (SW)	977	1	373560 439984
58	**Detailed River Network Lines** River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A6SE (SW)	987	1	374022 439515
59	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A6SE (SW)	992	1	373974 439534
60	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A6NW (SW)	997	1	373558 439958

EA Detailed River Network Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
61	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A6NW (SW)	997	1	373558 439958
62	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	A16SW (NE)	0	1	374888 440966
63	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	A11NW (NW)	16	1	374369 440553
64	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	A11SW (SW)	56	1	374393 440418
65	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	A11SE (E)	80	1	374722 440379
66	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	A11SE (SE)	81	1	374611 440361
67	**Detailed River Network Nodes** River Node Type: Pseudo (OS MasterMap polygon boundary) Hydrographic Area: D011	A16NE (NE)	84	1	375180 441219
68	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	A11SE (SE)	92	1	374646 440367
69	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	A11SE (SE)	116	1	374677 440350
70	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	A11SW (SW)	124	1	374339 440357
71	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	A12SW (E)	140	1	375039 440318
72	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	A16NE (NE)	206	1	375270 441316
73	**Detailed River Network Nodes** River Node Type: Pseudo (OS MasterMap polygon boundary) Hydrographic Area: D011	A12SE (E)	213	1	375354 440418
74	**Detailed River Network Nodes** River Node Type: Pseudo (OS MasterMap polygon boundary) Hydrographic Area: D011	A16NW (NE)	256	1	375075 441374
75	**Detailed River Network Nodes** River Node Type: Pseudo (general) Hydrographic Area: D011	A12NE (E)	280	1	375442 440468
76	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	A16NW (NE)	316	1	375063 441433
77	**Detailed River Network Nodes** River Node Type: Pseudo (OS MasterMap polygon boundary) Hydrographic Area: D011	A12SE (E)	322	1	375220 440168
78	**Detailed River Network Nodes** River Node Type: Pseudo (OS MasterMap polygon boundary) Hydrographic Area: D011	A12SE (SE)	374	1	375269 440127

EA Detailed River Network Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
79	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	A14NE (NW)	383	1	374086 441195
80	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	A12SE (SE)	403	1	375299 440107
81	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	A8NE (SE)	460	1	375320 440054
82	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	A14SW (NW)	467	1	373768 440776
83	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	A8NE (SE)	469	1	375316 440043
84	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	A12SE (E)	483	1	375486 440134
85	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	A8NE (SE)	507	1	375316 440002
86	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	A7NE (S)	511	1	374614 439879
87	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	A7NE (S)	514	1	374602 439875
88	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	A10NW (W)	517	1	373718 440612
89	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	A10NW (W)	535	1	373695 440646
90	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	A10NW (W)	544	1	373687 440641
91	**Detailed River Network Nodes** River Node Type: Pseudo (OS MasterMap polygon boundary) Hydrographic Area: D011	A7NW (SW)	599	1	374144 439890
92	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	A7NE (SE)	618	1	374742 439802
93	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	A8NE (SE)	694	1	375364 439822
94	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	A8NE (SE)	736	1	375409 439793
95	**Detailed River Network Nodes** River Node Type: Pseudo (general) Hydrographic Area: D011	A6NE (SW)	758	1	373905 439880
96	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	A6NE (SW)	776	1	373831 439940
97	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	A6NE (SW)	814	1	373941 439771
98	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	A7SW (S)	834	1	374394 439562
99	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	A6NE (SW)	860	1	373826 439815

EA Detailed River Network Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
100	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	A7SW (S)	865	1	374324 439545
101	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	A6NW (SW)	890	1	373677 439970
102	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	A6NW (SW)	905	1	373675 439942
103	**Detailed River Network Nodes** River Node Type: Pseudo (general) Hydrographic Area: D011	A7SW (S)	905	1	374271 439516
104	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	A8SW (SE)	939	1	375123 439518
105	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	A7SW (S)	942	1	374197 439496
106	**Detailed River Network Nodes** River Node Type: Pseudo (general) Hydrographic Area: D011	A6NW (SW)	951	1	373639 439913
107	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	A8SW (SE)	960	1	375079 439486
108	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	A6NW (SW)	977	1	373560 439984
109	**Detailed River Network Nodes** River Node Type: Pseudo (general) Hydrographic Area: D011	A6SE (SW)	987	1	374022 439515
110	**Detailed River Network Nodes** River Node Type: Pseudo (general) Hydrographic Area: D011	A6SE (SW)	992	1	373974 439534
111	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	A6NW (SW)	997	1	373558 439958
112	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D011	A16SE (NE)	0	1	375255 441046
113	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D011	A16SE (NE)	6	1	375261 441056
114	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D011	A16NW (NE)	20	1	375121 441206
115	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D011	A16NW (NE)	86	1	375065 441258
116	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D011	A7NE (SE)	451	1	374694 439962
117	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D011	A7NE (SE)	508	1	374753 439926
118	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D011	A7SE (S)	827	1	374629 439562

EA NaFRA Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11NW (NW)	0	4	374380 440555
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11NW (NW)	2	4	374351 440587
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11NW (W)	5	4	374382 440477
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11NW (W)	7	4	374395 440501
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11NW (NW)	16	4	374351 440556
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11NW (NW)	16	4	374360 440551
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11NW (NW)	17	4	374332 440601
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11NW (W)	20	4	374396 440494
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11NW (NW)	24	4	374365 440522
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11NW (NW)	27	4	374301 440617
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11SE (SE)	36	4	374550 440352
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11SE (SE)	37	4	374550 440351
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11SW (SW)	37	4	374386 440411
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11NW (NW)	41	4	374301 440601

EA NaFRA Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11NW (W)	48	4	374376 440476
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11SE (SE)	50	4	374550 440337
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11SE (SE)	62	4	374585 440351
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11NW (NW)	71	4	374193 440634
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11NW (NW)	72	4	374157 440685
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11SE (SE)	87	4	374614 440351
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A16NW (NE)	102	4	375118 441259
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A16NW (NE)	104	4	375098 441294
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11SE (SE)	105	4	374633 440351
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A16NW (NE)	107	4	375102 441298
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11SE (SE)	113	4	374650 440347
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11SE (SE)	124	4	374650 440336
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A11SE (SE)	159	4	374668 440301
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A10NE (NW)	219	4	374010 440693

EA NaFRA Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A10NE (NW)	219	4	374010 440682
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A10NE (NW)	229	4	374000 440675
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A10NE (NW)	231	4	373998 440686
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A10NE (W)	245	4	373985 440662
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A16NW (NE)	267	4	375101 441394
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: No Result Source: Environment Agency, Head Office Catchment Area: Ribble & Calder	A10NE (W)	280	4	373954 440639
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A10NE (W)	293	4	373938 440651
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A14NE (NW)	339	4	374044 441111
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency, Head Office Catchment Area: Ribble & Calder	A10NE (W)	363	4	373870 440641
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A10NE (W)	363	4	373871 440634
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A10NE (W)	372	4	373862 440630
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: No Result Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A10NE (W)	382	4	373851 440638
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A15NW (N)	394	4	374351 441401
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A15NW (N)	395	4	374192 441251

EA NaFRA Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: No Result Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A10NE (W)	405	4	373830 440625
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A15NW (N)	406	4	374301 441351
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A15NW (N)	412	4	374251 441284
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: No Result Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A10NE (W)	422	4	373814 440612
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A10NW (W)	433	4	373801 440628
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	457	4	374551 441528
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A14NE (NW)	471	4	374101 441301
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	480	4	374310 441451
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	486	4	374301 441451
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A10NW (W)	490	4	373744 440619
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	512	4	374808 441586
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	514	4	374809 441590
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency, Head Office Catchment Area: Ribble & Calder	(N)	529	4	374816 441599
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: No Result Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	560	4	374733 441630

EA NaFRA Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	562	4	374753 441631
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: No Result Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	575	4	374737 441647
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	580	4	374729 441651
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	580	4	374707 441651
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NE)	597	4	375195 441740
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	597	4	374449 441651
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NE)	601	4	375293 441724
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NE)	609	4	375199 441745
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NE)	615	4	375290 441739
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NE)	615	4	375202 441750
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NE)	620	4	375258 441749
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NE)	621	4	375292 441745
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	635	4	374482 441701
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NE)	643	4	375135 441779

EA NaFRA Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency, Head Office Catchment Area: Ribble & Calder	(NE)	654	4	375141 441791
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	655	4	374701 441727
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	679	4	374536 441751
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NE)	691	4	375118 441825
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A10NW (W)	693	4	373541 440603
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	726	4	374552 441801
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	731	4	374751 441801
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A10NW (W)	740	4	373502 440558
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	779	4	374851 441851
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	811	4	374901 441901
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	818	4	375012 441939
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	832	4	375002 441951
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	833	4	374988 441953
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A9NE (W)	852	4	373383 440592

EA NaFRA Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	A9NE (W)	853	4	373382 440589
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	876	4	374603 441951
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	877	4	374650 441951
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency. Head Office Catchment Area: Ribble & Calder	(N)	893	4	374902 442001
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	928	4	374660 442001
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	969	4	374807 442051
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(N)	981	4	374751 442051

Flood Insurance Risk Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Property-based Flood Risk Flood Risk Rating: Negligible Flood Risk Rating	A15SW (NW)	0	4	374289 440803
	Postcode Sector Flood Insurance Claim Ratings Insurance Rating: Very Low Flood Insurance Claim Rating - No Recorded Claims Postcode Sector: BB7 1	A11NW (W)	0	4	374449 440484

Data Currency

EA / CEH Flood Data	Version	Update Cycle
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2012	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2012	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2012	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2012	Quarterly
Flood Defences Environment Agency - Head Office	February 2012	Quarterly
RMS Flood Data	**Version**	**Update Cycle**
RMS 75 year Flood Return Risk Management Solutions - North West Catchment	December 2008	As notified
RMS 100 year Flood Return Risk Management Solutions - North West Catchment	December 2008	As notified
RMS 1000 year Flood Return Risk Management Solutions - North West Catchment	December 2008	As notified
BGS Flood Data	**Version**	**Update Cycle**
BGS Geological Indicators of Flooding British Geological Survey - National Geoscience Information Service	February 2011	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	February 2011	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	January 2012	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	October 2011	Annually
Flood Insurance Risk Data	**Version**	**Update Cycle**
Property-based Flood Risk Aviva - Dataservice	January 2010	Not Applicable
Postcode Sector Flood Insurance Claim Ratings Crawford and Company	March 2012	Quarterly

Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Ordnance Survey Licensed Partner
Environment Agency	Environment Agency
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology, Natural Environment Research Council
British Geological Survey	British Geological Survey, Natural Environment Research Council
Aviva	AVIVA
Risk Management Solutions	RMS

Useful Contacts

Contact	Name and Address	Contact Details
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RMS Flood Data Information

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Envirocheck® Report:

Flood Screening Report Datasheet

Order Details:

Order Number:
38714560_1_1

Customer Reference:
29421-09-po244230

National Grid Reference:
375880, 440650

Slice:
B

Site Area (Ha):
51.39

Search Buffer (m):
1000

Site Details:

Site at
Clitheroe
Lancashire

Client Details:

Mr R Breakspear
AMEC Environment & Infrastructure UK Limited
155 Aztec West
Park Avenue
Almondsbury
Bristol
BS32 4UB

Contents

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer(s) selected. For ease of reference, the report is broken down into seven sections of data.	
EA / CEH Flood Data	-
This section details data from the Environment Agency and the Centre for Ecology and Hydrology. 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 The CEH data is reported to a distance of 250m from the edge of the site polygon and covers flood data for Scotland divided into levels based on the frequency and magnitude of a predicted 100 year term. All data sets within this section are plotted and feature on the EA / CEH Flood Data (1:10,000) map For added value OS Contour data is also plotted, detailing contours, spot heights and air heights.	
RMS Flood Data	1
This section contains the Risk Management Solutions flood data. The data is based upon the likelihood of a flood occurence for 3 flood return periods; these being 75 years, 100 years and 1000 years. 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. 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.	
BGS Flood Data	2
This section contains two BGS data sets; namely Geological Indicators of Flooding and Groundwater Flooding Susceptibility both of which report features out to a possible 1000m, with coverage in England. Wales and Scotland. Each data set is plotted on a seperate BGS Flood Data (1:50,000) map.	
EA Detailed River Network Data	5
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 The DRN Lines data set details all the types of rivers, drains and streams which can be found in England and Wales 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. 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. 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.	
EA Historic Flood Events Data	-
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 Also included in this section is Landmark's Historical Flood Liabilities data set, which identifies areas that are liable to flood based on systematic analysis of historical mapping dating back to the mid 19th century. Both data sets within this section are plotted and feature on the EA Historical Flood (1:10,000) map. For added value, OS Contour data is also plotted, detailing contours, spot heights and air heights	

Contents

EA NaFRA Data	**11**

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)

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 assessed if there are properties within the impact cells where EA have assessed the flood risk.

The data within this section is plotted and feature on the EA NaFRA Data (1:50,000) map

Flood Insurance Risk Data	**13**

This section contains two sources of flood risk data from Aviva and Crawford and Company. Neither data sets are plotted on any of the associated Flood maps

Aviva has generated a detailed flood risk assessment to accurately evaluate the flood risk for individual customers. The information from this assessment has been used to define a risk model detailing 5 levels of flood risk, based on the individual properties rather than the postcode. The flood risk assessment undertaken by Aviva is for river flooding and coastal flooding only, and does not include groundwater, flash or sewerage flooding. Only the worst case flood risk is reported for the site

Crawford & Co have generated an Insurance Claims rating for Flood Risk. The risk is determined by comparing the number of flood insurance claims made to the number of properties in the postcode sector. The data will also include flood claims from domestic accidents or blocked drains, as well as flooding from river or tidal events. Flood insurance claim ratings are reported for the site only.

Data Currency	**14**
Data Suppliers	**15**
Useful Contacts	**16**

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Summary

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				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
RMS Flood Data					
RMS 75 year Flood Return	pg 1		2	n/a	n/a
RMS 100 year Flood Return	pg 1	1		n/a	n/a
RMS 1000 year Flood Return	pg 1	1		n/a	n/a
`GS Flood Data					
BGS Geological Indicators of Flooding	pg 2			1	1
BGS Groundwater Flooding Susceptibility	pg 2	10	12	12	17
EA Detailed River Network Data					
Detailed River Network Lines	pg 5		2	12	16
Detailed River Network Nodes	pg 10		1	6	13
Detailed River Network Offline Drainage	pg 10				1
EA Historic Flood Events Data					
Historic Flood Events					
Historical Flood Liabilities					
EA National Flood Risk Assessment Data					
National Flood Risk Assessment	pg 11		3	2	21
lood Insurance Risk Data					
Property-based Flood Risk			n/a	n/a	n/a
Postcode Sector Flood Insurance Claim Ratings	pg 13	1	n/a	n/a	n/a

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RMS Flood Data

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	B13SW (NW)	125	1	375765 440872
	RMS 75 year Flood Return Flood Type/Depth: 75 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	B9NW (W)	243	1	375666 440650
	RMS 100 year Flood Return Flood Type/Depth: 100 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	B9NW (W)	0	1	375830 440649
	RMS 1000 year Flood Return Flood Type/Depth: 1000 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	B9NE (NW)	0	1	375880 440649

BGS Flood Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Geological Indicators of Flooding Flooding Type: Inland Flooding Flood Potential Code: Higher flood potential from rivers: the first areas to experience the effects of inland flooding in a river catchment	(NW)	349	2	374755 441765
	BGS Geological Indicators of Flooding Flooding Type: Inland Flooding Flood Potential Code: Higher flood potential from rivers: the first areas to experience the effects of inland flooding in a river catchment.	(N)	962	2	375436 442180
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(W)	0	2	375000 440649
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	B9NW (NW)	0	2	375700 440751
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(NW)	0	2	375001 441401
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(W)	0	2	374851 440651
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	(W)	0	2	375201 440901
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	(W)	0	2	375100 440651
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(W)	0	2	375001 440851
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	B9NW (W)	0	2	375550 440651
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	(NW)	0	2	375001 441501
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	(W)	0	2	375000 440301
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(W)	14	2	375001 441001
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	B9NE (NW)	15	2	375880 440649
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	B9NW (W)	43	2	375550 440751
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	B13SW (NW)	93	2	375550 440851
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	B13NW (NW)	139	2	375600 441101
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	B9NW (W)	169	2	375600 440751
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SW)	176	2	375000 440201
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SW)	196	2	375100 440251
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SW)	199	2	375350 440351
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	(NW)	242	2	374901 441301

BGS Flood Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(SW)	245	2	375150 440151
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	B13SW (NW)	250	2	375700 440951
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SW)	252	2	375300 440251
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SW)	267	2	375150 440201
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(SW)	283	2	375000 440151
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(NW)	316	2	375151 441451
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SW)	327	2	375300 440101
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(SW)	335	2	375250 440151
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SW)	383	2	375000 440001
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SW)	392	2	375150 440051
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(SW)	424	2	375200 440051
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	B9SW (SW)	439	2	375600 440301
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SW)	440	2	375300 440001
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(NW)	495	2	375001 441601
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	B5NW (SW)	504	2	375600 440001
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(NW)	590	2	375001 441701
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	B13SE (NE)	593	2	376050 440851
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	B9SW (S)	610	2	375800 440351
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(N)	629	2	376051 441601
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	B9NE (E)	640	2	376000 440649
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(SW)	646	2	375200 439801
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	B5NE (S)	658	2	375880 440001

BGS Flood Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(NW)	678	2	375351 441801
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(SW)	703	2	375000 439701
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	B9SE (SE)	708	2	376000 440401
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	B9SE (S)	738	2	375900 440101
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	B9NE (SE)	809	2	376100 440451
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	B9NE (SE)	839	2	376150 440501
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SW)	861	2	375000 439551
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	B10NW (E)	863	2	376200 440551
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	B9NE (SE)	864	2	376150 440451

EA Detailed River Network Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	B13SW (NW)	78	3	375644 441041
2	**Detailed River Network Lines** River Type: Tertiary River River Name: Drain Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen Rhyne Drain) Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	B13SW (NW)	235	3	375626 440978
3	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	B13SW (NW)	280	3	375644 441041
4	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	B9NW (W)	280	3	375644 440618
5	**Detailed River Network Lines** River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	B13SW (N)	349	3	375756 441076
6	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	B13NW (NW)	349	3	375674 441117

EA Detailed River Network Data

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: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	B9NW (W)	358	3	375660 440631
8	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	B9NW (W)	358	3	375679 440651
9	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	B9NW (NW)	361	3	375787 440758
10	**Detailed River Network Lines** River Type: Tertiary River River Name: Drain Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen Rhyne Drain) Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	B9NW (SW)	363	3	375776 440575
11	**Detailed River Network Lines** River Type: Tertiary River River Name: Drain Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen Rhyne Drain) Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	B13SW (N)	394	3	375757 441076
12	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	(SW)	460	3	375443 440001

EA Detailed River Network Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Secondary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	B9SW (SW)	483	3	375507 440129
14	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	B9SW (SW)	483	3	375509 440127
15	**Detailed River Network Lines** River Type: Secondary River River Name: Howcroft Brook Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	B9SW (SW)	504	3	375593 440127
16	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	B13NE (N)	528	3	375839 441196
17	**Detailed River Network Lines** River Type: Tertiary River River Name: Drain Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne Drain) Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	B13NE (N)	528	3	375996 441161
18	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	B9NE (NE)	608	3	376001 440758

EA Detailed River Network Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	**Detailed River Network Lines** River Type: Tertiary River River Name: Drain Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	B9NE (NE)	608	3	376001 440758
20	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	B14NW (NE)	657	3	376320 441347
21	**Detailed River Network Lines** River Type: Secondary River River Name: Pendleton Brook Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	(SW)	694	3	375364 439822
22	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	B9SE (S)	732	3	375940 440158
23	**Detailed River Network Lines** River Type: Tertiary River River Name: Drain Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen Rhyne Drain) Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	B5NE (S)	735	3	375838 440046
24	**Detailed River Network Lines** River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	B5NW (S)	787	3	375588 439828

EA Detailed River Network Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	B5NW (S)	808	3	375701 439889
26	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	B9SE (SE)	886	3	376150 440290
27	**Detailed River Network Lines** River Type: Secondary River River Name: Howcroft Brook Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	B9SE (S)	886	3	375972 440149
28	**Detailed River Network Lines** River Type: Tertiary River River Name: Drain Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen Rhyne Drain) Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	B10NW (E)	981	3	376349 440614
29	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	B10NW (E)	992	3	376380 440694
30	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	B10NW (E)	993	3	376380 440692

EA Detailed River Network Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	B13SW (NW)	235	3	375626 440978
32	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	B13SW (NW)	280	3	375644 441041
33	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	B13NW (NW)	349	3	375674 441117
34	**Detailed River Network Nodes** River Node Type: Pseudo (OS MasterMap polygon boundary) Hydrographic Area: D011	B9NW (W)	358	3	375644 440618
35	**Detailed River Network Nodes** River Node Type: Pseudo (OS MasterMap polygon boundary) Hydrographic Area: D011	B9NW (W)	361	3	375660 440631
36	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	B9NW (W)	363	3	375679 440651
37	**Detailed River Network Nodes** River Node Type: Pseudo (general) Hydrographic Area: D011	B13SW (N)	394	3	375756 441076
38	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	B9SW (SW)	504	3	375509 440127
39	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	B13NE (N)	528	3	375839 441196
40	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	B9NE (NE)	608	3	376001 440758
41	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	B13NE (N)	665	3	376017 441156
42	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	B13NE (N)	692	3	375962 441304
43	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	B5NW (S)	735	3	375748 440054
44	**Detailed River Network Nodes** River Node Type: Pseudo (general) Hydrographic Area: D011	B5NW (S)	787	3	375588 439828
45	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	B5NE (S)	814	3	375838 440046
46	**Detailed River Network Nodes** River Node Type: Pseudo (general) Hydrographic Area: D011	B5NW (S)	838	3	375636 439799
47	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	B9SE (S)	886	3	375972 440149
48	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	B9SE (SE)	899	3	376136 440363
49	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	B10NW (E)	981	3	376349 440614
50	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	B10NW (E)	993	3	376380 440692
51	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D011	B13SE (NE)	722	3	376111 441056

EA NaFRA Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	102	4	375168 441239
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	104	4	375172 441240
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	107	4	375174 441243
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency, Head Office Catchment Area: Ribble & Calder	(NW)	267	4	375106 441395
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	339	4	375148 441783
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	512	4	374877 441574
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	514	4	374877 441574
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	529	4	374838 441595
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	597	4	375278 441739
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	601	4	375330 441730
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	609	4	375280 441741
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	615	4	375333 441733
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	615	4	375252 441749
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	620	4	375262 441749

EA NaFRA Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency, Head Office Catchment Area: Ribble & Calder	(NW)	621	4	375332 441739
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	643	4	375146 441780
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	654	4	375156 441795
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	691	4	375118 441825
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	731	4	374860 441847
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	779	4	374862 441851
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	811	4	374976 441951
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	818	4	375021 441940
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	832	4	375002 441951
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	833	4	375001 441951
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	893	4	374951 442001
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	969	4	375030 442151

Flood Insurance Risk Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Postcode Sector Flood Insurance Claim Ratings Insurance Rating: Very Low Flood Insurance Claim Rating - No Recorded Claims Postcode Sector: BB7 1	B9NE (NW)	0	4	375880 440649

Data Currency

EA / CEH Flood Data	Version	Update Cycle
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2012	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2012	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2012	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2012	Quarterly
Flood Defences Environment Agency - Head Office	February 2012	Quarterly
RMS Flood Data	**Version**	**Update Cycle**
RMS 75 year Flood Return Risk Management Solutions - North West Catchment	December 2008	As notified
RMS 100 year Flood Return Risk Management Solutions - North West Catchment	December 2008	As notified
RMS 1000 year Flood Return Risk Management Solutions - North West Catchment	December 2008	As notified
BGS Flood Data	**Version**	**Update Cycle**
BGS Geological Indicators of Flooding British Geological Survey - National Geoscience Information Service	February 2011	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	February 2011	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	January 2012	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	October 2011	Annually
Flood Insurance Risk Data	**Version**	**Update Cycle**
Property-based Flood Risk Aviva - Dataservice	January 2010	Not Applicable
Postcode Sector Flood Insurance Claim Ratings Crawford and Company	March 2012	Quarterly

Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Ordnance Survey Licensed Partner
Environment Agency	Environment Agency
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology, Natural Environment Research Council
British Geological Survey	British Geological Survey, Natural Environment Research Council
Aviva	AVIVA
Risk Management Solutions	RMS

Useful Contacts

Contact	Name and Address	Contact Details
1	**Landmark Information Group Limited** Legal and Financial, The Smith Centre, Fairmile, Henley-on-Thames, Oxon, RG9 6AB	Telephone: 0844 844 9966 Fax: 0844 844 9980 Email: info@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk
2	**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
3	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544 Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
4	**Landmark Information Group Limited** 5 - 7 Abbey Court, Eagle Way, Sowton Exeter, Devon, EX2 7HY	Telephone: 01392 441761 Fax: 01392 441709 Email: cssupport@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk
-	**Landmark Information Group Limited** The Smith Centre Henley On Thames, Oxfordshire, RG9 6AB	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Envirocheck® Report:

Flood Screening Report Datasheet

Order Details:

Order Number:
38714560_1_1

Customer Reference:
29421-09-po244230

National Grid Reference:
374660, 441730

Slice:
C

Site Area (Ha):
51.39

Search Buffer (m):
1000

Site Details:

Site at
Clitheroe
Lancashire

Client Details:

Mr R Breakspear
AMEC Environment & Infrastructure UK Limited
155 Aztec West
Park Avenue
Almondsbury
Bristol
BS32 4UB

Contents

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer(s) selected. For ease of reference, the report is broken down into seven sections of data.	
EA / CEH Flood Data	1
This section details data from the Environment Agency and the Centre for Ecology and Hydrology 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 The CEH data is reported to a distance of 250m from the edge of the site polygon and covers flood data for Scotland, divided into levels based on the frequency and magnitude of a predicted 100 year term. All data sets within this section are plotted and feature on the EA / CEH Flood Data (1:10,000) map. For added value, OS Contour data is also plotted detailing contours, spot heights and air heights.	
RMS Flood Data	2
This section contains the Risk Management Solutions flood data. The data is based upon the likelihood of a flood occurence for 3 flood return periods; these being 75 years, 100 years and 1000 years. 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. 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.	
BGS Flood Data	3
This section contains two BGS data sets; namely Geological Indicators of Flooding and Groundwater Flooding Susceptibility both of which report features out to a possible 1000m, with coverage in England, Wales and Scotland. Each data set is plotted on a seperate BGS Flood Data (1:50,000) map.	
EA Detailed River Network Data	7
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 The DRN Lines data set details all the types of rivers drains and streams which can be found in England and Wales. 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. 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. 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.	
EA Historic Flood Events Data	11
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 Also included in this section is Landmark's Historical Flood Liabilities data set, which identifies areas that are liable to flood based on systematic analysis of historical mapping dating back to the mid 19th century Both data sets within this section are plotted and feature on the EA Historical Flood (1:10,000) map. For added value, OS Contour data is also plotted, detailing contours, spot heights and air heights.	

Contents

EA NaFRA Data	**12**

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).

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 assessed if there are properties within the impact cells where EA have assessed the flood risk.

The data within this section is plotted and feature on the EA NaFRA Data (1:50,000) map

Flood Insurance Risk Data	**16**

This section contains two sources of flood risk data from Aviva and Crawford and Company. Neither data sets are plotted on any of the associated Flood maps

Aviva has generated a detailed flood risk assessment to accurately evaluate the flood risk for individual customers. The information from this assessment has been used to define a risk model detailing 5 levels of flood risk, based on the individual properties rather than the postcode. The flood risk assessment undertaken by Aviva is for river flooding and coastal flooding only, and does not include groundwater, flash or sewerage flooding. Only the worst case flood risk is reported for the site.

Crawford & Co have generated an Insurance Claims rating for Flood Risk. The risk is determined by comparing the number of flood insurance claims made to the number of properties in the postcode sector. The data will also include flood claims from domestic accidents or blocked drains, as well as flooding from river or tidal events. Flood insurance claim ratings are reported for the site only

Data Currency	**17**
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Summary

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	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 1		1	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	1	1	n/a	n/a
RMS 100 year Flood Return	pg 2	1		n/a	n/a
RMS 1000 year Flood Return	pg 2	1		n/a	n/a
`GS Flood Data					
BGS Geological Indicators of Flooding	pg 3			1	1
BGS Groundwater Flooding Susceptibility	pg 3	10	12	15	46
EA Detailed River Network Data					
Detailed River Network Lines	pg 7		1	5	13
Detailed River Network Nodes	pg 10			3	11
Detailed River Network Offline Drainage	pg 10				1
EA Historic Flood Events Data					
Historic Flood Events	pg 11				1
Historical Flood Liabilities					
EA National Flood Risk Assessment Data					
National Flood Risk Assessment	pg 12		3	10	38
lood Insurance Risk Data					
Property-based Flood Risk			n/a	n/a	n/a
Postcode Sector Flood Insurance Claim Ratings	pg 16	1	n/a	n/a	n/a

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EA / CEH Flood Data

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	C4SW (SE)	102	1	375007 441541
	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	C4SW (SE)	103	1	375016 441545
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				

RMS Flood Data

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	C3SE (W)	0	2	374663 441733
	RMS 75 year Flood Return Flood Type/Depth: 75 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	C3SE (SE)	73	2	374783 441600
	RMS 100 year Flood Return Flood Type/Depth: 100 year pluvial flood depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	C3SE (W)	0	2	374663 441733
	RMS 1000 year Flood Return Flood Type/Depth: 1000 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	C3SE (W)	0	2	374663 441733

BGS Flood Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Geological Indicators of Flooding Flooding Type: Inland Flooding Flood Potential Code: Higher flood potential from rivers: the first areas to experience the effects of inland flooding in a river catchment	C3SE (W)	349	3	374663 441733
	BGS Geological Indicators of Flooding Flooding Type: Inland Flooding Flood Potential Code: Higher flood potential from rivers: the first areas to experience the effects of inland flooding in a river catchment	C4NW (NE)	962	3	375001 442083
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(S)	0	3	374701 440951
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	C4SW (SE)	0	3	375001 441451
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	C3SE (SE)	0	3	374751 441551
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	(SE)	0	3	375101 440951
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(S)	0	3	374601 440801
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(S)	0	3	374651 440851
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	C3SE (S)	0	3	374751 441451
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(SE)	0	3	375051 441051
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	C3SE (W)	0	3	374663 441733
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	(S)	0	3	374663 440851
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SE)	14	3	374951 441251
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	C4NW (NE)	15	3	375001 441901
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	(SE)	43	3	375450 440951
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	(S)	55	3	374451 441001
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(SE)	93	3	375500 440951
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(SW)	118	3	374201 441151
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	C4SE (E)	139	3	375251 441501
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(SE)	169	3	375550 440801
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(SW)	216	3	374451 441301
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	(SW)	217	3	374051 440951

BGS Flood Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	(SE)	242	3	374851 441401
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SE)	250	3	375650 441001
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SW)	260	3	374101 441101
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SW)	269	3	374051 441051
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SW)	269	3	374151 441151
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SW)	295	3	374001 441001
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	C4SW (E)	316	3	375001 441733
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SW)	367	3	374001 441201
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SW)	380	3	373951 441101
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SW)	390	3	373901 441001
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(SW)	406	3	373951 441201
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SW)	407	3	374151 441401
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	C3SW (SW)	438	3	374151 441451
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	(SW)	472	3	373951 441301
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	C3SW (SW)	486	3	374301 441501
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	C3SE (E)	495	3	374801 441701
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	C3SW (SW)	498	3	374351 441551
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	C3SW (SW)	519	3	374401 441601
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	C3SW (SW)	519	3	374251 441501
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	C3SW (SW)	522	3	374201 441451
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	C3SW (SW)	525	3	374301 441551
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	(SW)	537	3	373801 441151

BGS Flood Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(SW)	538	3	373701 440901
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	C3SW (W)	549	3	374451 441651
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	C3SW (SW)	554	3	374201 441501
	BGS Groundwater Flooding Susceptibility Flooding Type: Negligible Susceptibility to Groundwater Flooding	C3SW (SW)	556	3	374251 441551
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	C3SW (W)	566	3	374401 441651
	BGS Groundwater Flooding Susceptibility Flooding Type: Negligible Susceptibility to Groundwater Flooding	C3NW (NW)	567	3	374451 441851
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(SW)	582	3	373751 441151
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SW)	587	3	373801 441251
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	C4SW (E)	590	3	374951 441733
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SE)	593	3	376000 440951
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	C3SW (W)	597	3	374451 441701
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	(SW)	604	3	373751 441201
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	(SW)	611	3	373701 441101
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	C2SE (W)	628	3	374101 441651
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	C4NW (E)	629	3	375151 441801
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	C3SE (W)	635	3	374501 441733
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SE)	640	3	376000 440651
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	C3SW (W)	646	3	374451 441733
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	C4NE (E)	678	3	375251 441851
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	C3NE (NW)	679	3	374601 441801
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	C3SE (W)	685	3	374501 441751
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(SW)	686	3	373551 440851

BGS Flood Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(SW)	728	3	373501 440801
	BGS Groundwater Flooding Susceptibility Flooding Type: Negligible Susceptibility to Groundwater Flooding	C3SW (W)	735	3	374151 441701
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	C2SE (W)	740	3	374001 441651
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	C2SE (W)	768	3	374101 441701
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	C3SW (W)	775	3	374151 441733
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	C3NE (NW)	784	3	374501 441851
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	C3SW (W)	789	3	374201 441751
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	C2SE (W)	801	3	374051 441701
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	C3SW (W)	806	3	374151 441751
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	C2SE (W)	806	3	374051 441733
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	C3NW (W)	809	3	374251 441801
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	C3NW (W)	833	3	374201 441801
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	C3NW (W)	854	3	374251 441851
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	C3NW (NW)	858	3	374301 441951
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	C3NE (NW)	878	3	374551 441951
	BGS Groundwater Flooding Susceptibility Flooding Type: Negligible Susceptibility to Groundwater Flooding	C2SE (W)	898	3	373951 441733
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	C3NW (W)	901	3	374151 441851
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	C2NE (W)	915	3	374051 441801
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	C3NW (NW)	961	3	374351 442001

EA Detailed River Network Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	(SE)	206	1	375063 441433
2	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	C4SW (SE)	316	1	375059 441435
3	**Detailed River Network Lines** River Type: Primary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Flood Risk Management Indicative/Statutory Main River Water Course Name: SHAW BROOK Water Course Reference: SHWC	C4SW (SE)	319	1	375010 441536
4	**Detailed River Network Lines** River Type: Primary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Flood Risk Management Indicative/Statutory Main River Water Course Name: PENDLETON/MEARLEY BROOK Water Course Reference: PEBR	C3SW (SW)	383	1	374316 441441
5	**Detailed River Network Lines** River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Management Status: Flood Risk Management Indicative/Statutory Main River Water Course Name: SHAW BROOK Water Course Reference: SHWC	C4SW (SE)	431	1	374886 441578
6	**Detailed River Network Lines** River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Management Status: Flood Risk Management Indicative/Statutory Main River Water Course Name: PENDLETON/MEARLEY BROOK Water Course Reference: PEBR	C3SW (SW)	468	1	374403 441536

EA Detailed River Network Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Detailed River Network Lines** River Type: Primary River River Name: Mearley Brook Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Flood Risk Management Indicative/Statutory Main River Water Course Name: PENDLETON/MEARLEY BROOK Water Course Reference: PEBR	C3SE (W)	505	1	374613 441743
8	**Detailed River Network Lines** River Type: Primary River River Name: Shaw Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Flood Risk Management Indicative/Statutory Main River Water Course Name: SHAW BROOK Water Course Reference: SHWC	C3SE (SE)	520	1	374696 441674
9	**Detailed River Network Lines** River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Management Status: Flood Risk Management Indicative/Statutory Main River Water Course Name: SHAW BROOK Water Course Reference: SHWC	C3SE (SW)	602	1	374648 441717
10	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	C4NW (E)	610	1	375130 441796
11	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	C4SE (E)	657	1	375442 441751
12	**Detailed River Network Lines** River Type: Secondary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	C4NW (NE)	661	1	374852 442028

EA Detailed River Network Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	C4SE (E)	673	1	375442 441751
14	**Detailed River Network Lines** River Type: Primary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Flood Risk Management Indicative/Statutory Main River Water Course Name: PENDLETON/MEARLEY BROOK Water Course Reference: PEBR	C3SE (W)	675	1	374612 441749
15	**Detailed River Network Lines** River Type: Primary River River Name: Mearley Brook Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Flood Risk Management Indicative/Statutory Main River Water Course Name: PENDLETON/MEARLEY BROOK Water Course Reference: PEBR	C3NE (N)	834	1	374636 441908
16	**Detailed River Network Lines** River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Management Status: Flood Risk Management Indicative/Statutory Main River Water Course Name: PIMLICO WATERCOURSE Water Course Reference: PIML	C3NE (N)	834	1	374636 441908
17	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	C4NE (E)	909	1	375491 441988
18	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	C8SE (NE)	928	1	375241 442155

EA Detailed River Network Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	**Detailed River Network Lines** River Type: Primary River River Name: Mearly Brook Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Flood Risk Management Indicative/Statutory Main River Water Course Name: PENDLETON/MEARLEY BROOK Water Course Reference: PEBR	C4NW (NE)	947	1	374852 442028
20	**Detailed River Network Nodes** River Node Type: Pseudo (OS MasterMap polygon boundary) Hydrographic Area: D011	C4SW (SE)	319	1	375059 441435
21	**Detailed River Network Nodes** River Node Type: Pseudo (OS MasterMap polygon boundary) Hydrographic Area: D011	C4SW (SE)	431	1	375010 441536
22	**Detailed River Network Nodes** River Node Type: Pseudo (OS MasterMap polygon boundary) Hydrographic Area: D011	C3SW (SW)	468	1	374316 441441
23	**Detailed River Network Nodes** River Node Type: Pseudo (OS MasterMap polygon boundary) Hydrographic Area: D011	C3SW (SW)	505	1	374403 441536
24	**Detailed River Network Nodes** River Node Type: Pseudo (OS MasterMap polygon boundary) Hydrographic Area: D011	C4SW (SE)	520	1	374886 441578
25	**Detailed River Network Nodes** River Node Type: Pseudo (OS MasterMap polygon boundary) Hydrographic Area: D011	C3SE (SE)	602	1	374696 441674
26	**Detailed River Network Nodes** River Node Type: Pseudo (OS MasterMap polygon boundary) Hydrographic Area: D011	C4NW (E)	661	1	375130 441796
27	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	C4SE (E)	673	1	375442 441751
28	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	C3SE (W)	675	1	374612 441749
29	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	C4SE (E)	679	1	375445 441756
30	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	C3NE (N)	834	1	374636 441908
31	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	C4NE (E)	909	1	375492 441986
32	**Detailed River Network Nodes** River Node Type: Source Hydrographic Area: D011	C4NE (NE)	928	1	375312 442053
33	**Detailed River Network Nodes** River Node Type: Junction Hydrographic Area: D011	C4NW (NE)	947	1	374852 442028
34	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D011	C3NE (NE)	732	1	374803 441818

EA Historic Flood Events Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	**Historic Flood Events** Flood Event Type: Historic Flood Event - Fluvial Flooding Cause: Obstruction/Blockage - Culvert Source: Environment Agency Head Office Flood Event Start Date: 3rd July 2007 Flood Event End Date: 4th July 2007	C3NE (NE)	899	1	374805 441971

EA NaFRA Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C4SW (SE)	102	4	375002 441531
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C4SW (SE)	104	4	375007 441541
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C4SW (SE)	107	4	375009 441543
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(SE)	267	4	375101 441401
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C3SE (W)	339	4	374663 441733
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C3SW (SW)	394	4	374401 441501
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(SW)	395	4	374251 441301
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(SW)	406	4	374351 441401
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(SW)	412	4	374264 441301
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C3SE (SW)	457	4	374572 441551
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(SW)	471	4	374101 441347
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C3SW (SW)	480	4	374343 441501
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C3SW (SW)	486	4	374351 441551
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency, Head Office Catchment Area: Ribble & Calder	C3SE (SE)	512	4	374779 441606

EA NaFRA Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C3SE (SE)	514	4	374700 441681
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency, Head Office Catchment Area: Ribble & Calder	C3SE (SE)	529	4	374751 441650
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: No Result Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C3SE (SE)	560	4	374707 441651
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C3SE (SE)	562	4	374753 441631
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: No Result Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C3SE (SE)	575	4	374729 441651
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C3SE (SE)	580	4	374701 441680
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C3SE (SE)	580	4	374706 441653
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C4NE (E)	597	4	375165 441780
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency, Head Office Catchment Area: Ribble & Calder	C3SW (W)	597	4	374451 441662
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C4SE (E)	601	4	375288 441734
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C4NE (E)	609	4	375166 441782
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C4SE (E)	615	4	375290 441739
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C4NE (E)	615	4	375182 441775
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C4SE (E)	620	4	375258 441749

EA NaFRA Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C4SE (E)	621	4	375292 441745
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C3SE (W)	635	4	374501 441709
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C4NW (NE)	643	4	374970 441951
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C4NW (E)	654	4	375133 441804
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C3SE (E)	655	4	374701 441733
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C3SE (W)	679	4	374551 441751
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency, Head Office Catchment Area: Ribble & Calder	C4NW (NE)	691	4	375025 441937
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C3NE (NW)	726	4	374601 441801
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C3NE (NE)	731	4	374751 441801
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C4NW (NE)	779	4	374851 441851
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C4NW (NE)	811	4	374901 441901
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C4NW (NE)	818	4	375008 441941
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C4NW (NE)	832	4	375001 441951
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C4NW (NE)	833	4	374902 442001

EA NaFRA Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C6NW (NW)	853	4	373711 442596
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C3NE (N)	876	4	374625 441951
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C3NE (N)	877	4	374651 441951
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C4NW (NE)	893	4	374901 442002
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C3NE (N)	928	4	374663 442001
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C3NE (NE)	969	4	374807 442051
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C3NE (N)	981	4	374751 442051
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C8SE (NE)	995	4	375201 442132
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	C8SW (NE)	998	4	375152 442135

Flood Insurance Risk Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Postcode Sector Flood Insurance Claim Ratings Insurance Rating: Very Low Flood Insurance Claim Rating - No Recorded Claims Postcode Sector: BB7 1	C3SE (W)	0	4	374663 441733

Data Currency

EA / CEH Flood Data	Version	Update Cycle
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2012	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2012	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2012	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2012	Quarterly
Flood Defences Environment Agency - Head Office	February 2012	Quarterly
RMS Flood Data	**Version**	**Update Cycle**
RMS 75 year Flood Return Risk Management Solutions - North West Catchment	December 2008	As notified
RMS 100 year Flood Return Risk Management Solutions - North West Catchment	December 2008	As notified
RMS 1000 year Flood Return Risk Management Solutions - North West Catchment	December 2008	As notified
BGS Flood Data	**Version**	**Update Cycle**
BGS Geological Indicators of Flooding British Geological Survey - National Geoscience Information Service	February 2011	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	February 2011	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	January 2012	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	October 2011	Annually
Flood Insurance Risk Data	**Version**	**Update Cycle**
Property-based Flood Risk Aviva - Dataservice	January 2010	Not Applicable
Postcode Sector Flood Insurance Claim Ratings Crawford and Company	March 2012	Quarterly

Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Ordnance Survey Licensed Partner
Environment Agency	Environment Agency
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology, Natural Environment Research Council
British Geological Survey	British Geological Survey, Natural Environment Research Council
Aviva	AVIVA
Risk Management Solutions	RMS

Useful Contacts

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, The Smith Centre, Fairmile, Henley-on-Thames Oxon, RG9 6AB	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** 5 - 7 Abbey Court, Eagle Way, Sowton Exeter. Devon. EX2 7HY	Telephone: 01392 441761 Fax: 01392 441709 Email: cssupport@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk
-	**Landmark Information Group Limited** The Smith Centre, Henley On Thames, Oxfordshire, RG9 6AB	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Envirocheck® Report:

Flood Screening Report Datasheet

Order Details:

Order Number:
38714560_1_1

Customer Reference:
29421-09-po244230

National Grid Reference:
375760, 441670

Slice:
D

Site Area (Ha):
51.39

Search Buffer (m):
1000

Site Details:

Site at
Clitheroe
Lancashire

Client Details:

Mr R Breakspear
AMEC Environment & Infrastructure UK Limited
155 Aztec West
Park Avenue
Almondsbury
Bristol
BS32 4UB

Contents

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer(s) selected For ease of reference, the report is broken down into seven sections of data.	
EA / CEH Flood Data	-
This section details data from the Environment Agency and the Centre for Ecology and Hydrology 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 The CEH data is reported to a distance of 250m from the edge of the site polygon and covers flood data for Scotland, divided into levels based on the frequency and magnitude of a predicted 100 year term. All data sets within this section are plotted and feature on the EA / CEH Flood Data (1:10,000) map For added value, OS Contour data is also plotted, detailing contours, spot heights and air heights.	
RMS Flood Data	1
This section contains the Risk Management Solutions flood data The data is based upon the likelihood of a flood occurence for 3 flood return periods; these being 75 years, 100 years and 1000 years. 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. 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.	
BGS Flood Data	2
This section contains two BGS data sets; namely Geological Indicators of Flooding and Groundwater Flooding Susceptibility, both of which report features out to a possible 1000m, with coverage in England, Wales and Scotland Each data set is plotted on a seperate BGS Flood Data (1:50,000) map.	
EA Detailed River Network Data	4
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. The DRN Lines data set details all the types of rivers, drains and streams which can be found in England and Wales 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. 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 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	
EA Historic Flood Events Data	-
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. Also included in this section is Landmark's Historical Flood Liabilities data set, which identifies areas that are liable to flood based on systematic analysis of historical mapping dating back to the mid 19th century. Both data sets within this section are plotted and feature on the EA Historical Flood (1:10,000) map For added value, OS Contour data is also plotted, detailing contours spot heights and air heights.	

Contents

EA NaFRA Data	**5**

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)

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 assessed if there are properties within the impact cells where EA have assessed the flood risk.

The data within this section is plotted and feature on the EA NaFRA Data (1:50,000) map.

Flood Insurance Risk Data	**8**

This section contains two sources of flood risk data from Aviva and Crawford and Company. Neither data sets are plotted on any of the associated Flood maps

Aviva has generated a detailed flood risk assessment to accurately evaluate the flood risk for individual customers. The information from this assessment has been used to define a risk model detailing 5 levels of flood risk, based on the individual properties rather than the postcode. The flood risk assessment undertaken by Aviva is for river flooding and coastal flooding only, and does not include groundwater, flash or sewerage flooding. Only the worst case flood risk is reported for the site.

Crawford & Co have generated an Insurance Claims rating for Flood Risk. The risk is determined by comparing the number of flood insurance claims made to the number of properties in the postcode sector. The data will also include flood claims from domestic accidents or blocked drains, as well as flooding from river or tidal events. Flood insurance claim ratings are reported for the site only.

Data Currency	**9**
Data Suppliers	**10**
Useful Contacts	**11**

Report Version v47.0

Summary

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				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
RMS Flood Data					
RMS 75 year Flood Return				n/a	n/a
RMS 100 year Flood Return	pg 1	1		n/a	n/a
RMS 1000 year Flood Return	pg 1	1		n/a	n/a
BGS Flood Data					
BGS Geological Indicators of Flooding	pg 2			1	1
BGS Groundwater Flooding Susceptibility	pg 2	7	8	2	5
EA Detailed River Network Data					
Detailed River Network Lines	pg 4				1
Detailed River Network Nodes					
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 5		3	2	24
Flood Insurance Risk Data					
Property-based Flood Risk			n/a	n/a	n/a
Postcode Sector Flood Insurance Claim Ratings	pg 8	1	n/a	n/a	n/a

Report Version v47.0

RMS Flood Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	RMS 75 year Flood Return None				
	RMS 100 year Flood Return Flood Type/Depth: 100 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	D1SE (SE)	0	1	375999 441483
	RMS 1000 year Flood Return Flood Type/Depth: 1000 year pluvial flood, depth is not applicable Flood Hazard: Pluvial & Minor River Flood Risk	D1SW (E)	0	1	375763 441675

BGS Flood Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Geological Indicators of Flooding Flooding Type: Inland Flooding Flood Potential Code: Higher flood potential from rivers: the first areas to experience the effects of inland flooding in a river catchment	(NW)	349	2	375001 442083
	BGS Geological Indicators of Flooding Flooding Type: Inland Flooding Flood Potential Code: Higher flood potential from rivers: the first areas to experience the effects of inland flooding in a river catchment	(NW)	962	2	375436 442180
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SW)	0	2	374951 440951
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SW)	0	2	375451 441101
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(W)	0	2	375001 441501
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	(SW)	0	2	375201 440951
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(W)	0	2	375001 441401
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(S)	0	2	375500 441001
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	(W)	0	2	375001 441601
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SW)	14	2	375001 441251
	BGS Groundwater Flooding Susceptibility Flooding Type: High Susceptibility to Groundwater Flooding	D1SW (E)	15	2	375763 441675
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	(S)	43	2	375500 440951
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(S)	93	2	375550 440951
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	D1SE (SE)	139	2	375851 441601
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(S)	169	2	375600 440801
	BGS Groundwater Flooding Susceptibility Flooding Type: Low Susceptibility to Groundwater Flooding	(W)	242	2	374901 441401
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(S)	250	2	375700 441001
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(W)	316	2	375251 441651
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(W)	495	2	375001 441675
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	(W)	590	2	375001 441701
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SE)	593	2	376050 441001
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	D1NW (N)	629	2	375801 441801

BGS Flood Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderately High Susceptibility to Groundwater Flooding	(SE)	640	2	376150 440801
	BGS Groundwater Flooding Susceptibility Flooding Type: Moderate Susceptibility to Groundwater Flooding	D1NW (N)	678	2	375651 441951

EA Detailed River Network Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Detailed River Network Lines** River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	D1SW (NE)	657	3	375804 441761

EA NaFRA Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(SW)	102	4	375168 441239
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(SW)	104	4	375174 441243
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(W)	107	4	375106 441432
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(SW)	267	4	375109 441401
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(W)	339	4	375156 441790
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(W)	512	4	374877 441574
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(W)	514	4	374878 441577
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(W)	529	4	374838 441595
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(W)	597	4	375280 441741
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(W)	601	4	375333 441732
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(W)	609	4	375283 441744
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(W)	615	4	375333 441733
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(W)	615	4	375252 441749
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(W)	620	4	375262 441749

EA NaFRA Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(W)	621	4	375332 441739
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(W)	643	4	375156 441789
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(W)	654	4	375156 441795
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(W)	691	4	375118 441825
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(W)	731	4	374862 441851
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(W)	779	4	374901 441897
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(W)	811	4	374976 441951
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency, Head Office Catchment Area: Ribble & Calder	(W)	818	4	375021 441940
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(W)	832	4	375002 441951
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	833	4	375116 442101
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Significant Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	853	4	374226 443026
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(W)	893	4	374951 442001
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	969	4	375030 442151
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Low Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	995	4	375300 442151

EA NaFRA Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	National Flood Risk Assessment (NaFRA) Flood Risk Assessment Code: Moderate Source: Environment Agency Head Office Catchment Area: Ribble & Calder	(NW)	998	4	375201 442133

Flood Insurance Risk Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Postcode Sector Flood Insurance Claim Ratings Insurance Rating: Very Low Flood Insurance Claim Rating - No Recorded Claims Postcode Sector: BB7 1	D1SW (E)	0	4	375763 441675

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Data Currency

EA / CEH Flood Data	Version	Update Cycle
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2012	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2012	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2012	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2012	Quarterly
Flood Defences Environment Agency - Head Office	February 2012	Quarterly
RMS Flood Data	**Version**	**Update Cycle**
RMS 75 year Flood Return Risk Management Solutions - North West Catchment	December 2008	As notified
RMS 100 year Flood Return Risk Management Solutions - North West Catchment	December 2008	As notified
RMS 1000 year Flood Return Risk Management Solutions - North West Catchment	December 2008	As notified
BGS Flood Data	**Version**	**Update Cycle**
BGS Geological Indicators of Flooding British Geological Survey - National Geoscience Information Service	February 2011	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	February 2011	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	January 2012	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	October 2011	Annually
Flood Insurance Risk Data	**Version**	**Update Cycle**
Property-based Flood Risk Aviva - Dataservice	January 2010	Not Applicable
Postcode Sector Flood Insurance Claim Ratings Crawford and Company	March 2012	Quarterly

Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Ordnance Survey® Licensed Partner
Environment Agency	Environment Agency
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Aviva	AVIVA
Risk Management Solutions	RMS

Useful Contacts

Contact	Name and Address	Contact Details
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2	**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
3	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
4	**Landmark Information Group Limited** 5 - 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Telephone: 01392 441761 Fax: 01392 441709 Email: cssupport@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk
-	**Landmark Information Group Limited** The Smith Centre, Henley On Thames, Oxfordshire, RG9 6AB	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

RMS Flood Data Information

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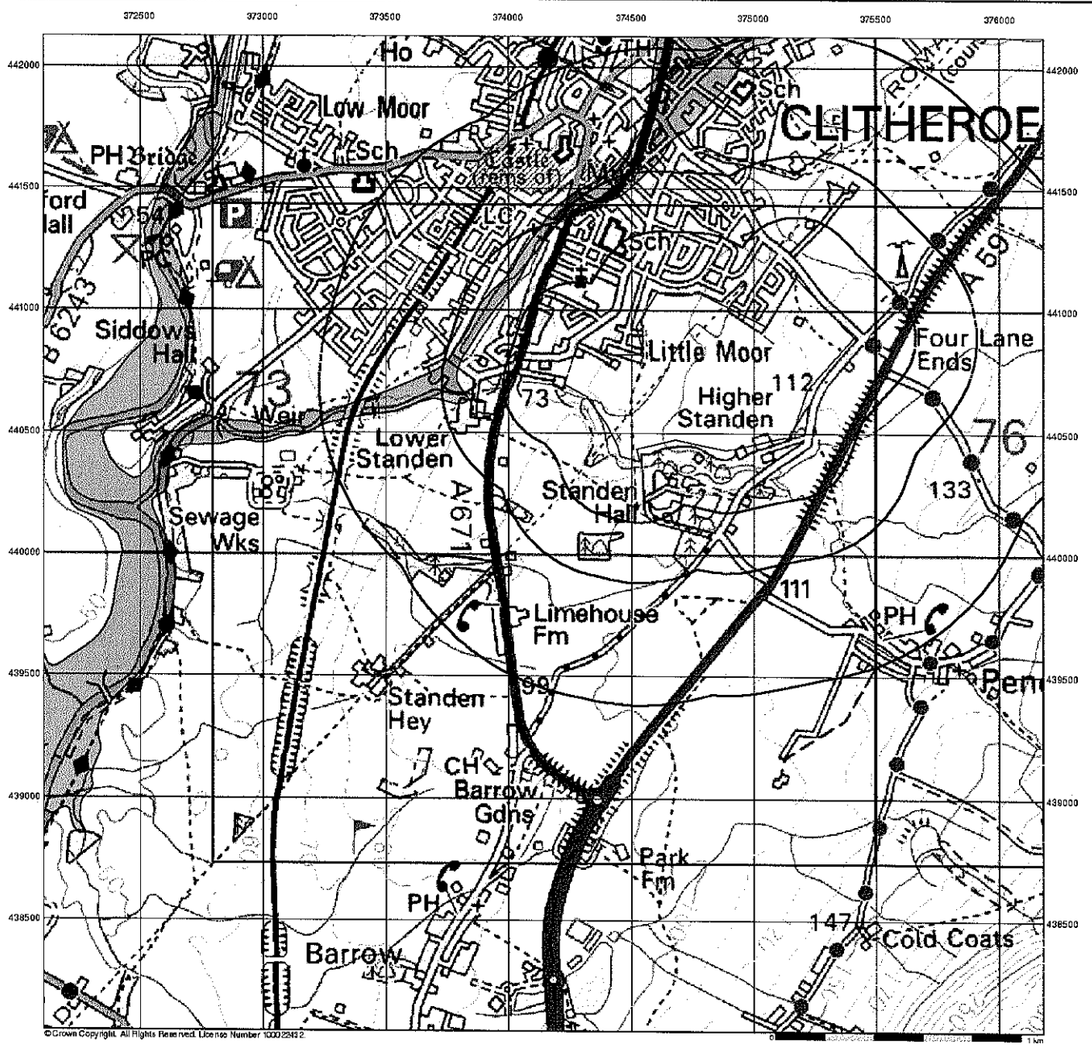

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BGS Flood Data (1:50,000)

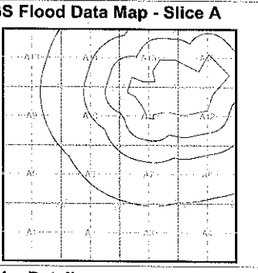
General

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

BGS Geological Indicators of Flooding

- Coastal
- Inland
- Bodies of Water

BGS Flood Data Map - Slice A



N

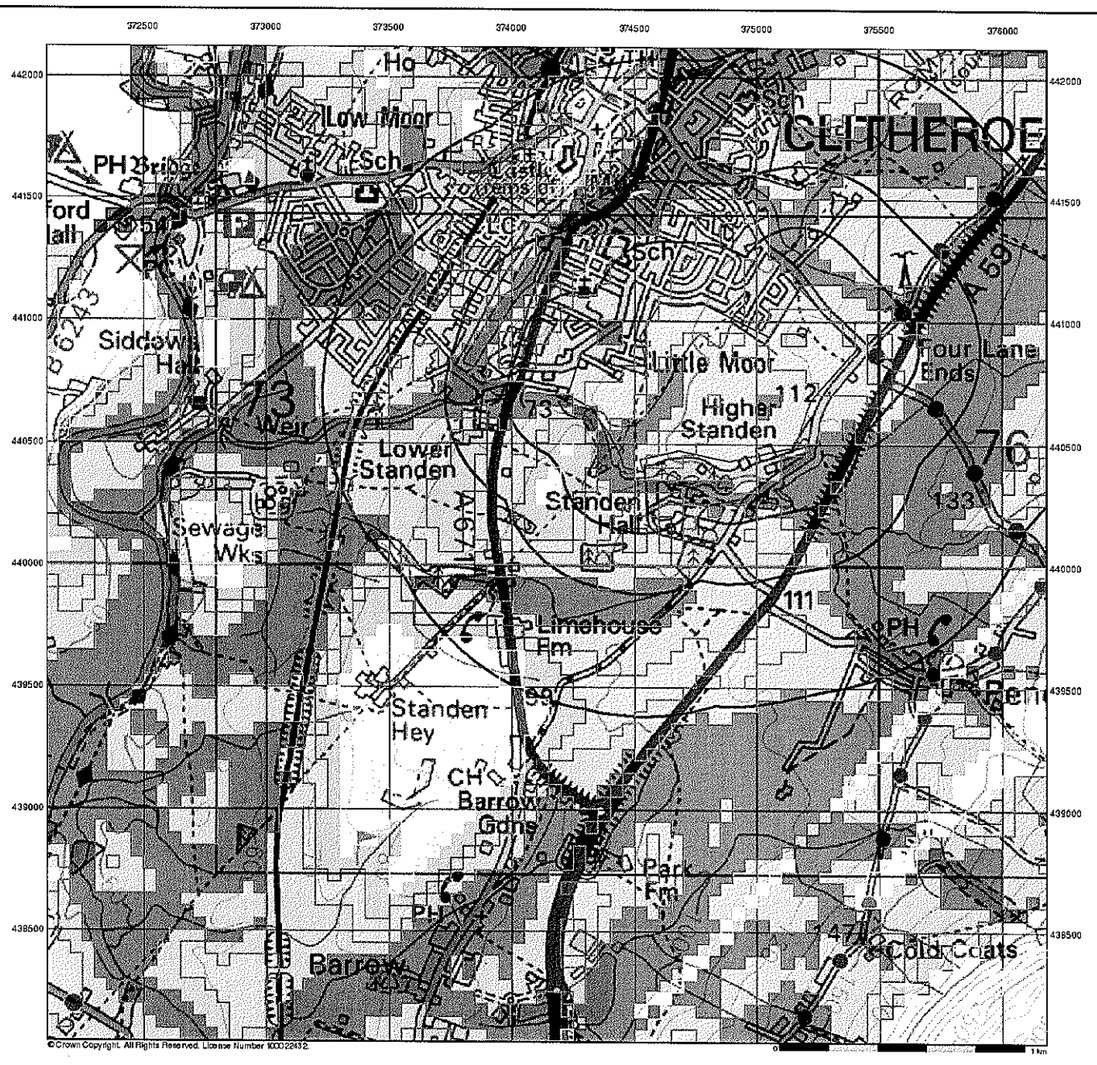
Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	374450, 440480
Slice:	A
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

Site at, Clitheroe, Lancashire

Landmark Information Group
Tel: 0844 844 0952
Fax: 0844 844 0951
Web: www.envirocheck.co.uk



amec

BGS Flood Data (1:50,000)

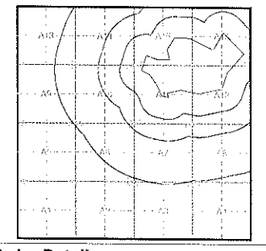
General

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

BGS Groundwater Flooding Susceptibility

- High Susceptibility
- Moderately High Susceptibility
- Moderate Susceptibility
- Low Susceptibility
- Negligible Susceptibility

BGS Flood Data Map - Slice A



N

Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	374450, 440480
Slice:	A
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

Site at, Clitheroe, Lancashire

Landmark Information Group

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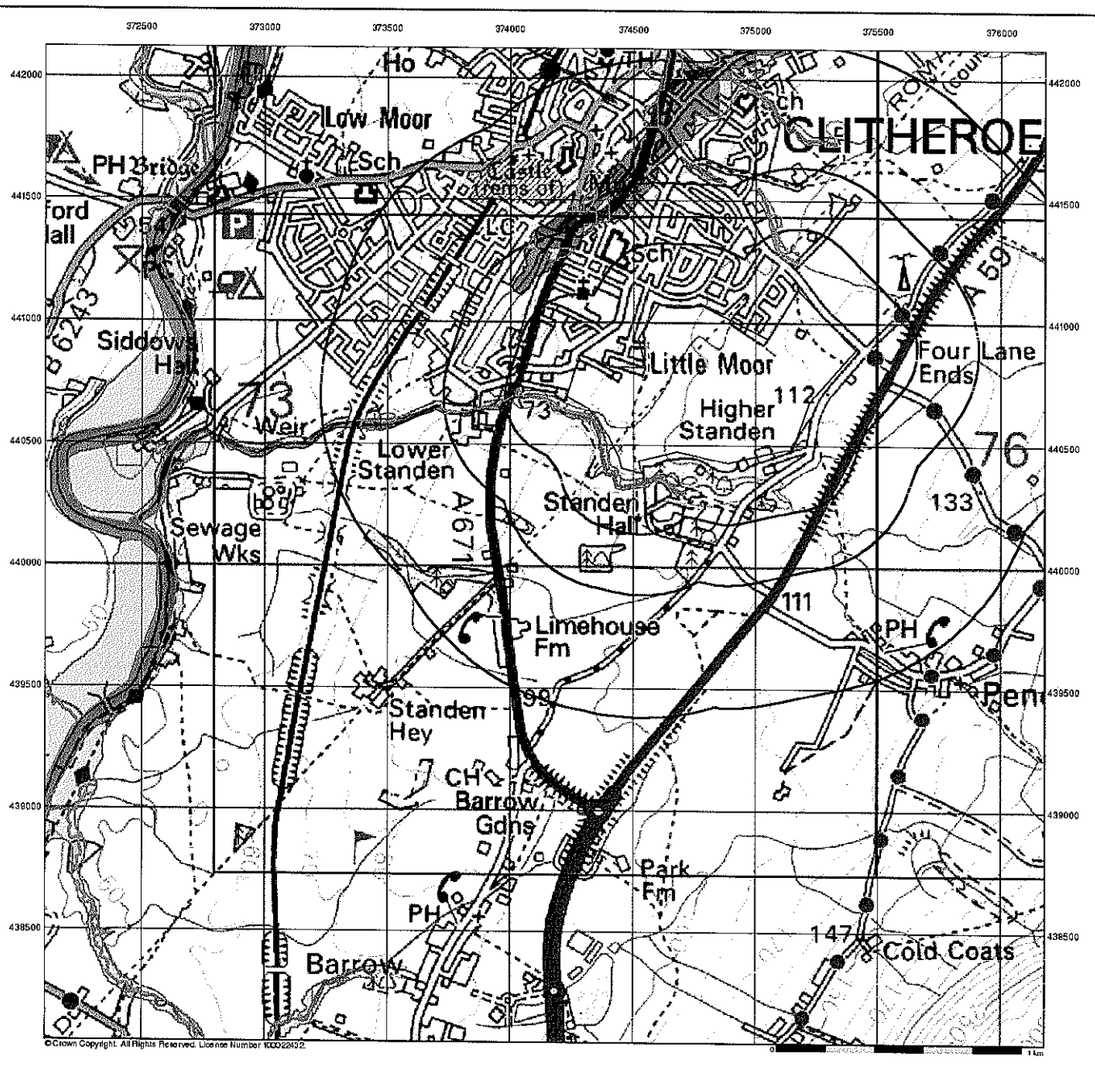
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



amec

EA NaFRA Data (1:50,000)

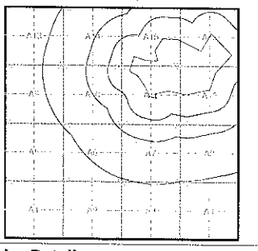
General

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



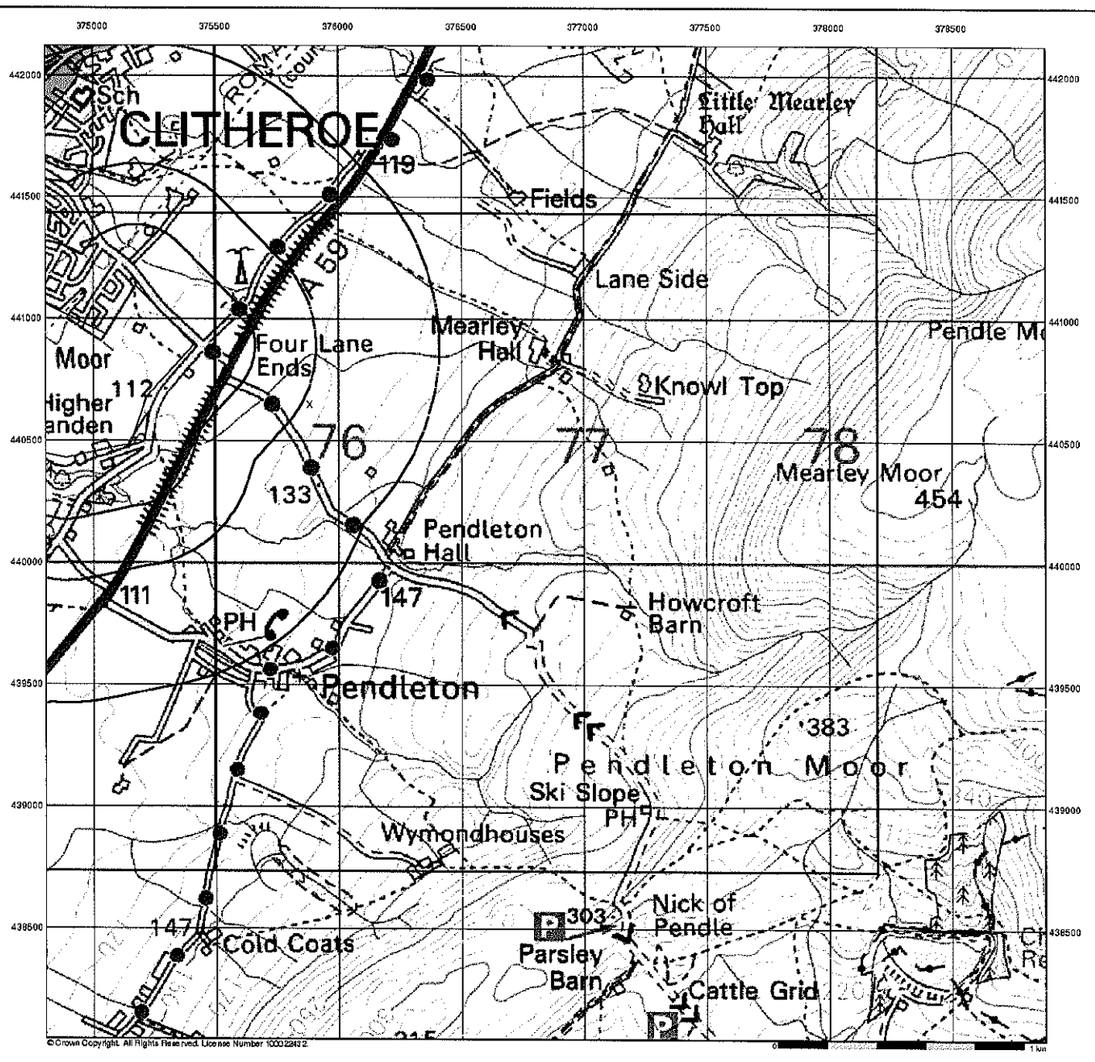
Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	374450, 440480
Slice:	A
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

Site at, Clitheroe, Lancashire

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



amec

BGS Flood Data (1:50,000)

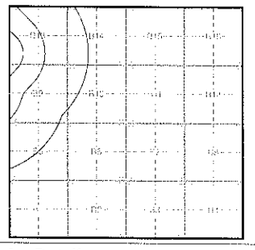
General

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

BGS Geological Indicators of Flooding

- Coastal
- Inland
- Bodies of Water

BGS Flood Data Map - Slice B



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Order Details

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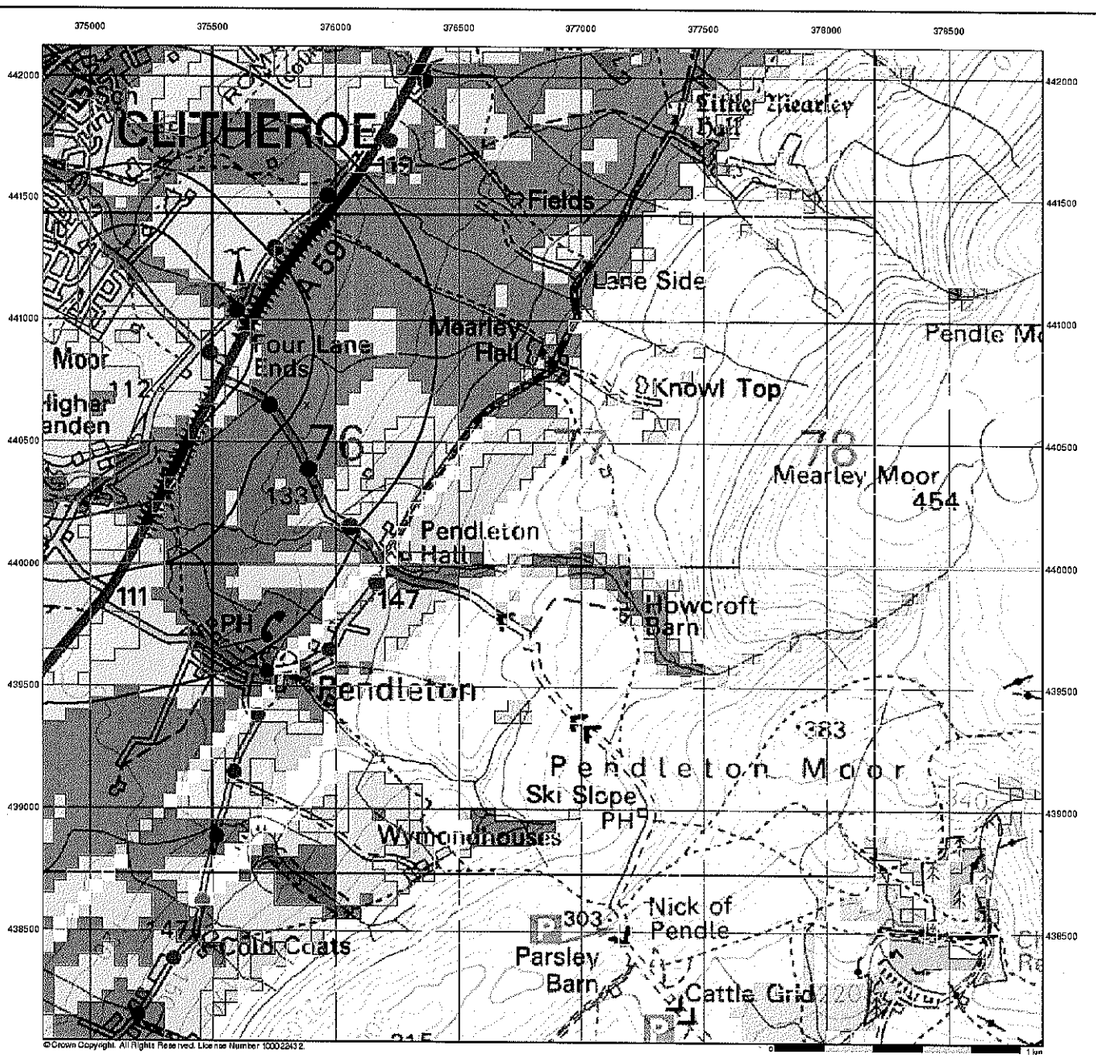
Customer Ref:	29421-09-po244230
National Grid Reference:	375880, 440650
Slice:	B
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

Site at, Clitheroe, Lancashire

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



amec

BGS Flood Data (1:50,000)

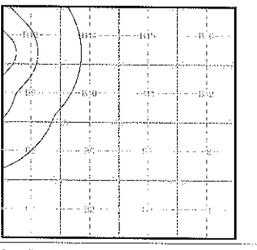
General

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

BGS Groundwater Flooding Susceptibility

- High Susceptibility
- Moderately High Susceptibility
- Moderate Susceptibility
- Low Susceptibility
- Negligible Susceptibility

BGS Flood Data Map - Slice B



N

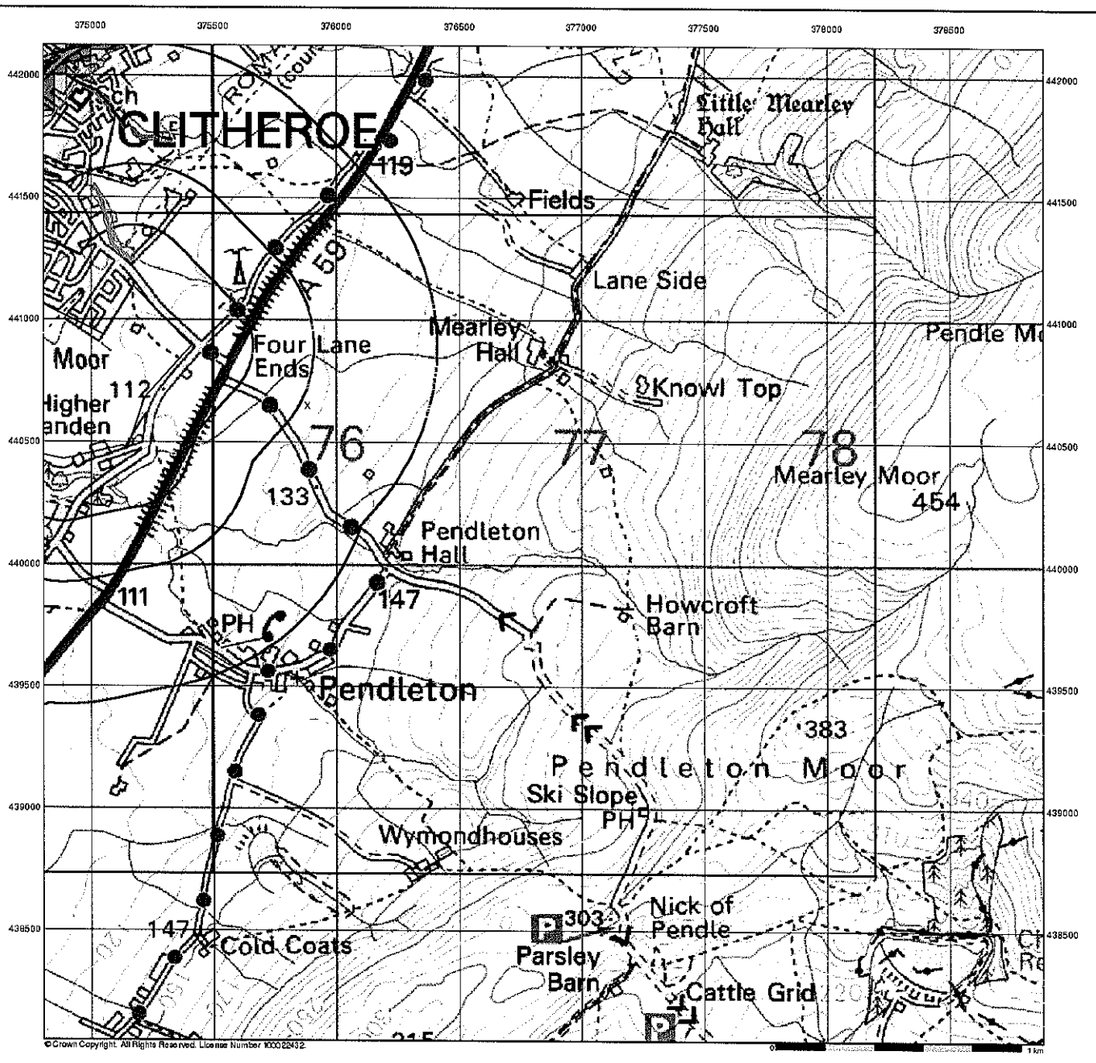
Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	375880, 440650
Slice:	B
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

Site at, Clitheroe, Lancashire

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



amec

EA NaFRA Data (1:50,000)

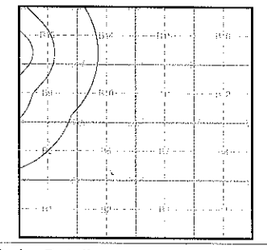
General

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 B



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Order Details

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Customer Ref:	29421-09-po244230
National Grid Reference:	375880, 440650
Slice:	B
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

Site at, Clitheroe, Lancashire

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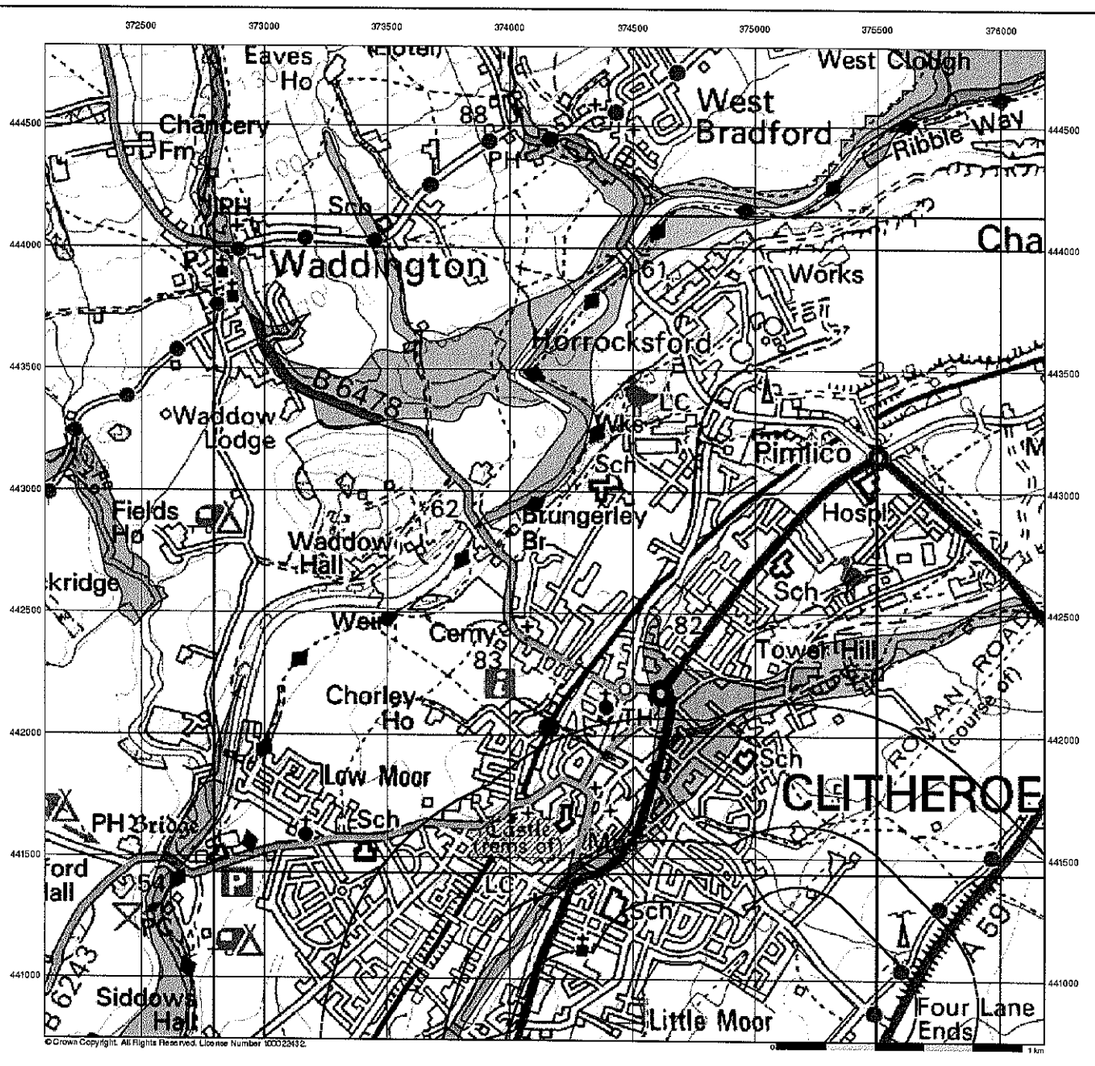


amec

BGS Flood Data (1:50,000)

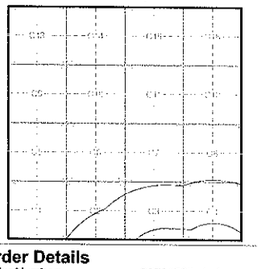
General

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

BGS Geological Indicators of Flooding

- Coastal
- Inland
- Bodies of Water

BGS Flood Data Map - Slice C



Order Details

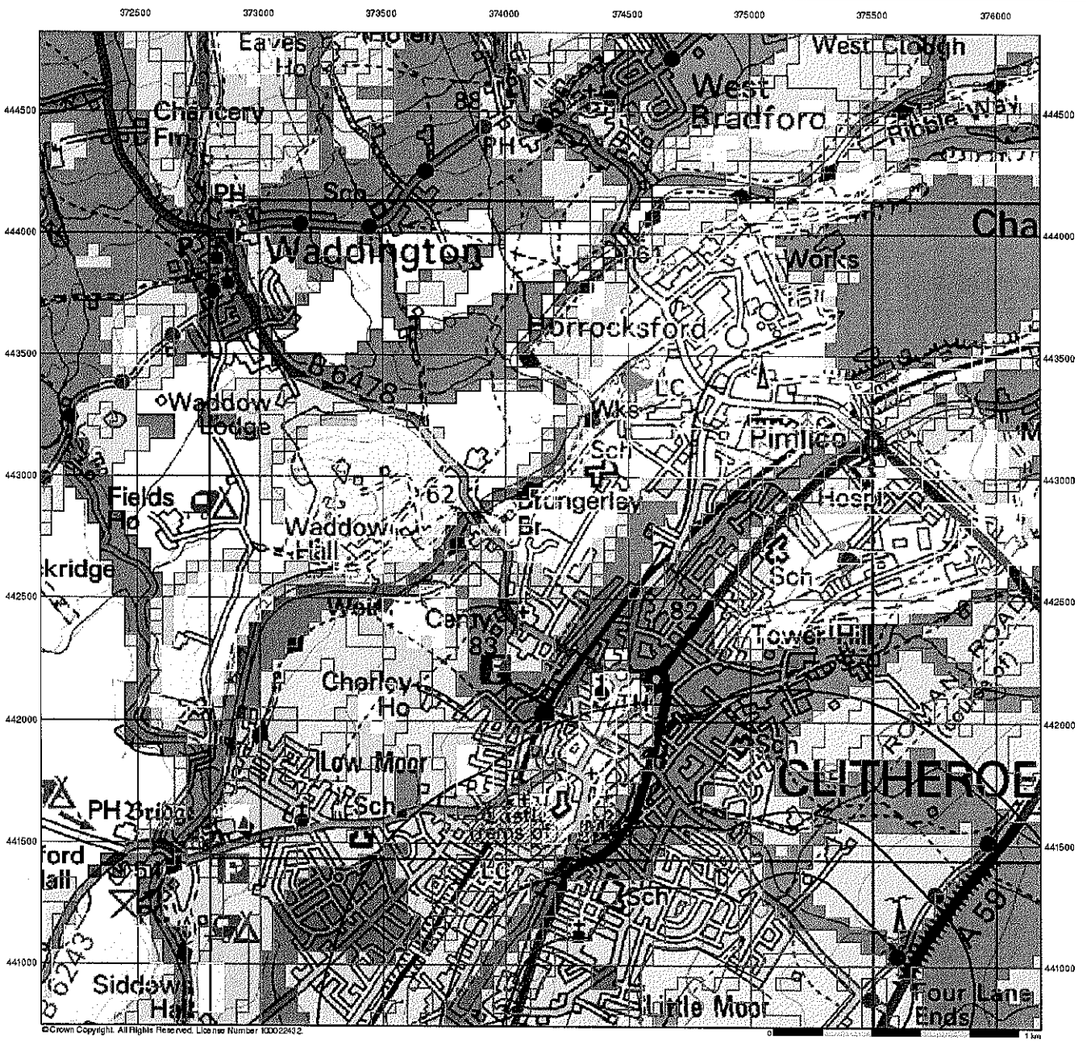
Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	374660, 441730
Slice:	C
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

Site at, Clitheroe, Lancashire

Landmark Information Group

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



amec

BGS Flood Data (1:50,000)

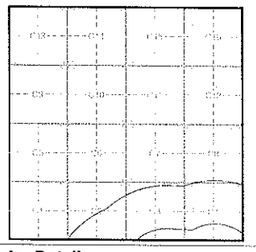
General

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

BGS Groundwater Flooding Susceptibility

- High Susceptibility
- Moderately High Susceptibility
- Moderate Susceptibility
- Low Susceptibility
- Negligible Susceptibility

BGS Flood Data Map - Slice C

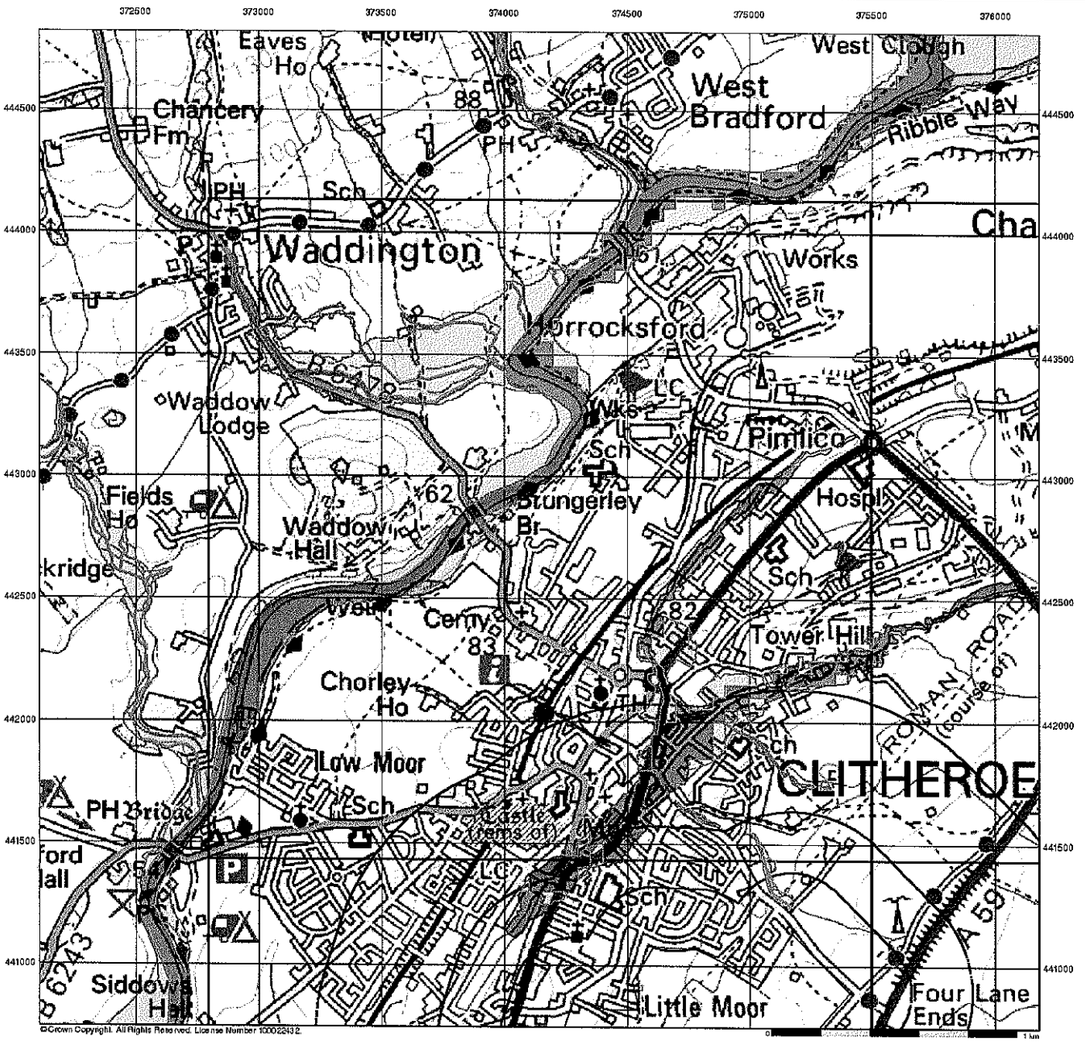


Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	374660, 441730
Slice:	C
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

Site at, Clitheroe, Lancashire



amec

EA NaFRA Data (1:50,000)

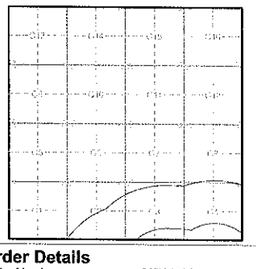
General

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 C



Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	374660, 441730
Slice:	C
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

Site at, Clitheroe, Lancashire

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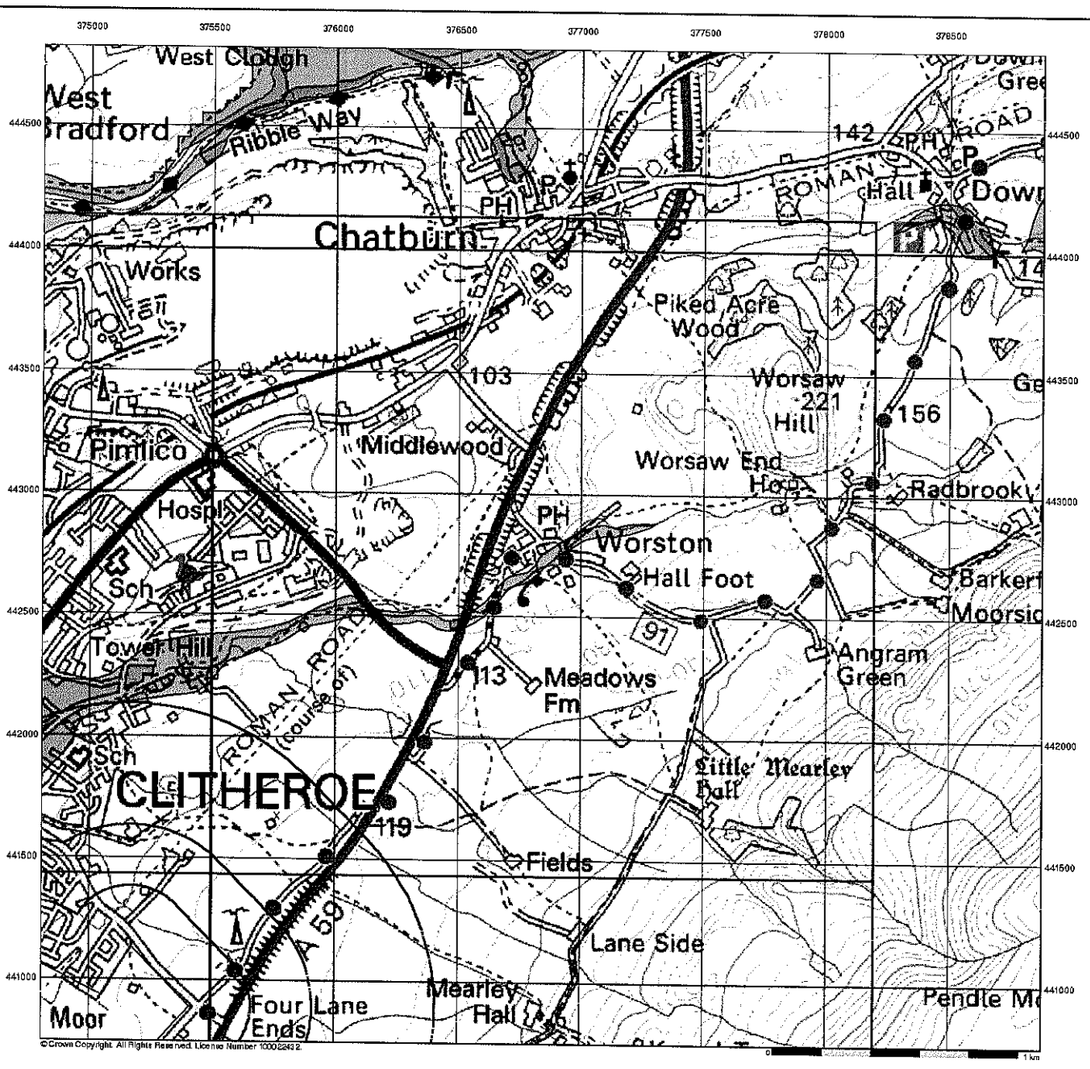


amec

BGS Flood Data (1:50,000)

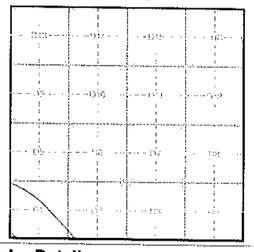
General

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

BGS Geological Indicators of Flooding

- Coastal
- Inland
- Bodies of Water

BGS Flood Data Map - Slice D



Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	375760, 441670
Slice:	D
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

Site at, Clitheroe, Lancashire

Landmark Information Group

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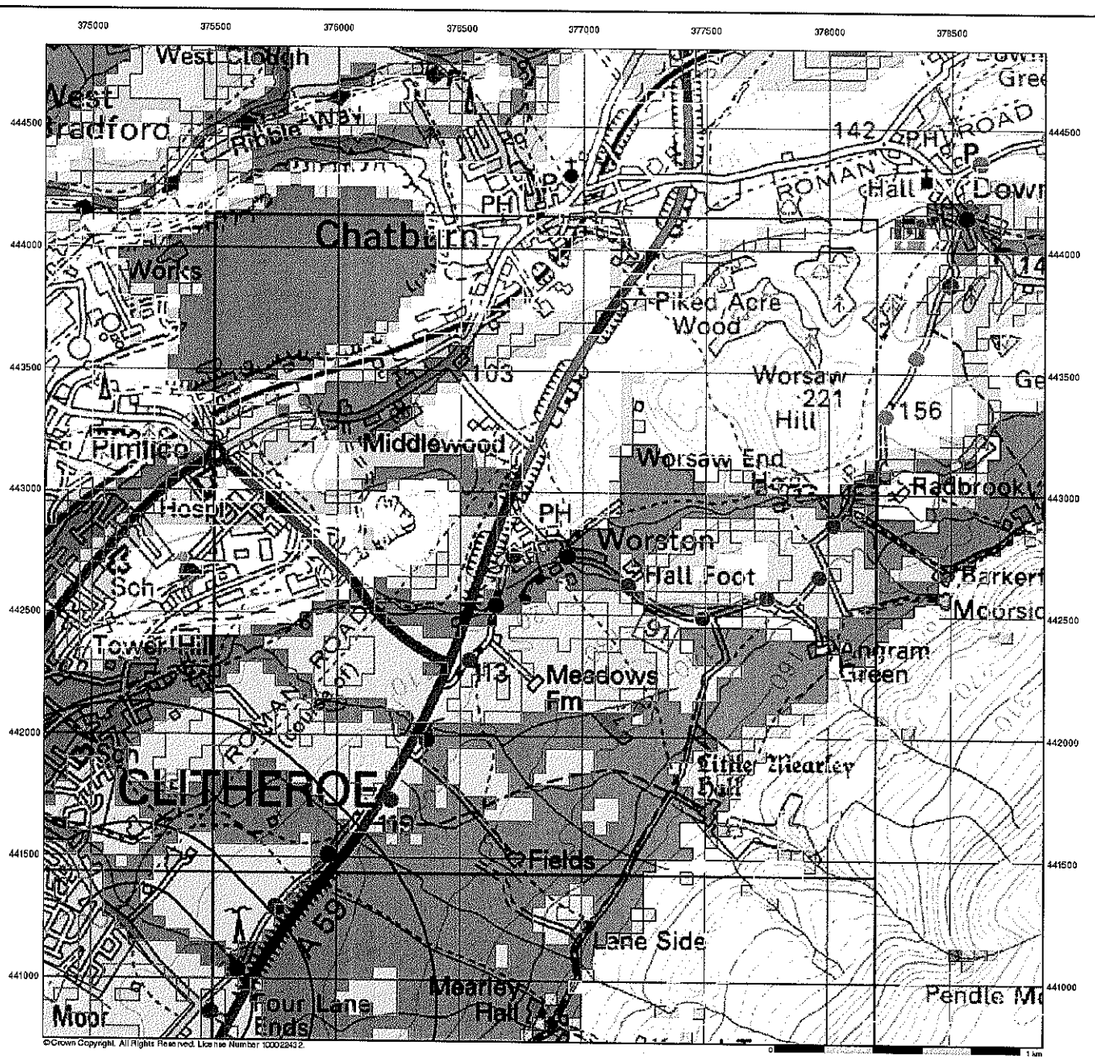
Web: www.envirocheck.co.uk



amec

BGS Flood Data (1:50,000)

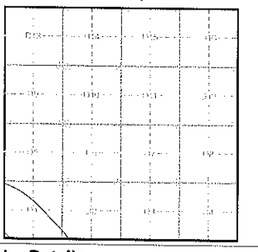
General

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

BGS Groundwater Flooding Susceptibility

- High Susceptibility
- Moderately High Susceptibility
- Moderate Susceptibility
- Low Susceptibility
- Negligible Susceptibility

BGS Flood Data Map - Slice D



Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	375760, 441670
Slice:	D
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

Site at, Clitheroe, Lancashire

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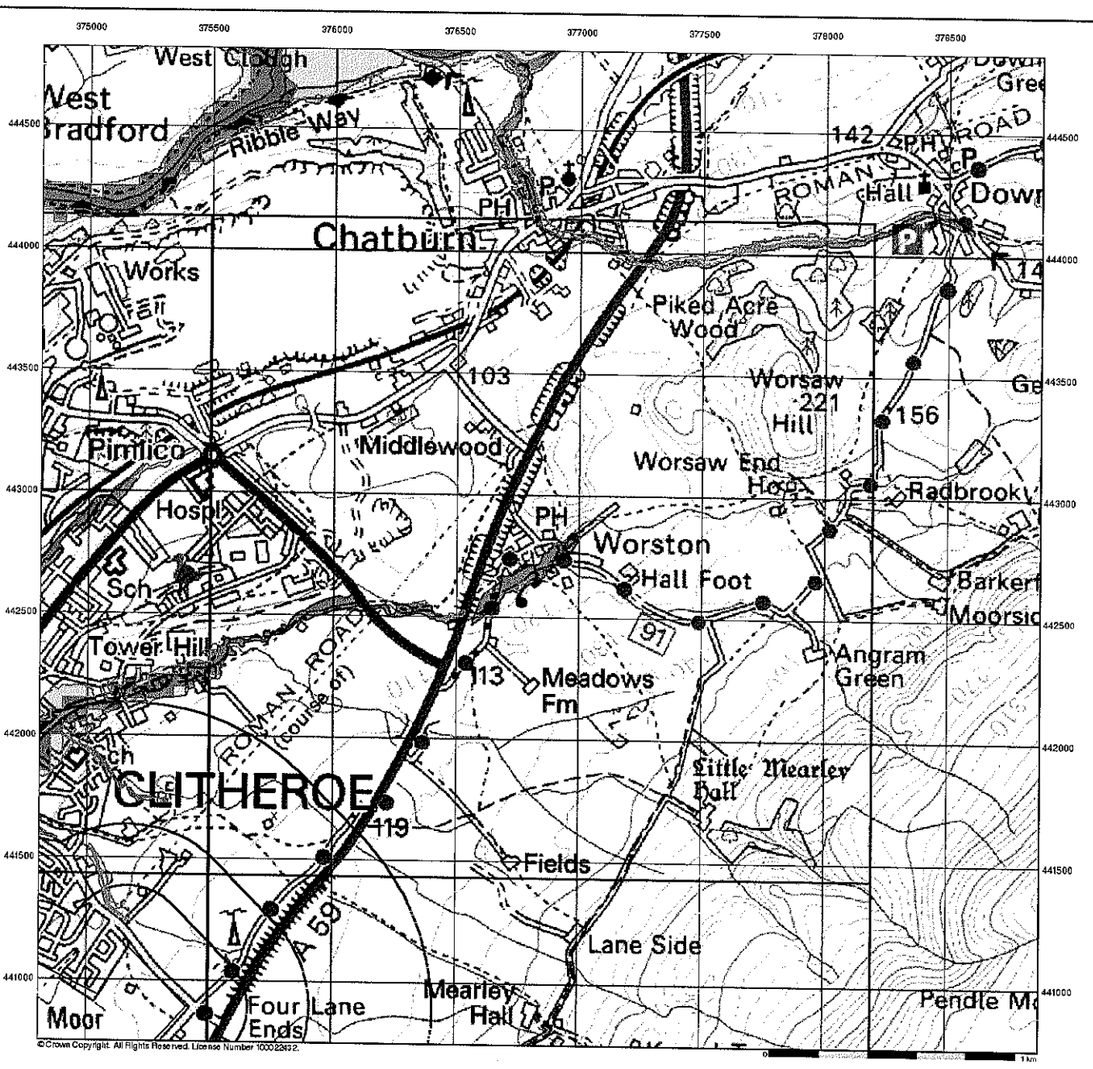
Web: www.envirocheck.co.uk



amec

EA NaFRA Data (1:50,000)

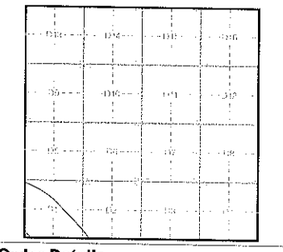
General

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 D



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Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	375760, 441670
Slice:	D
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

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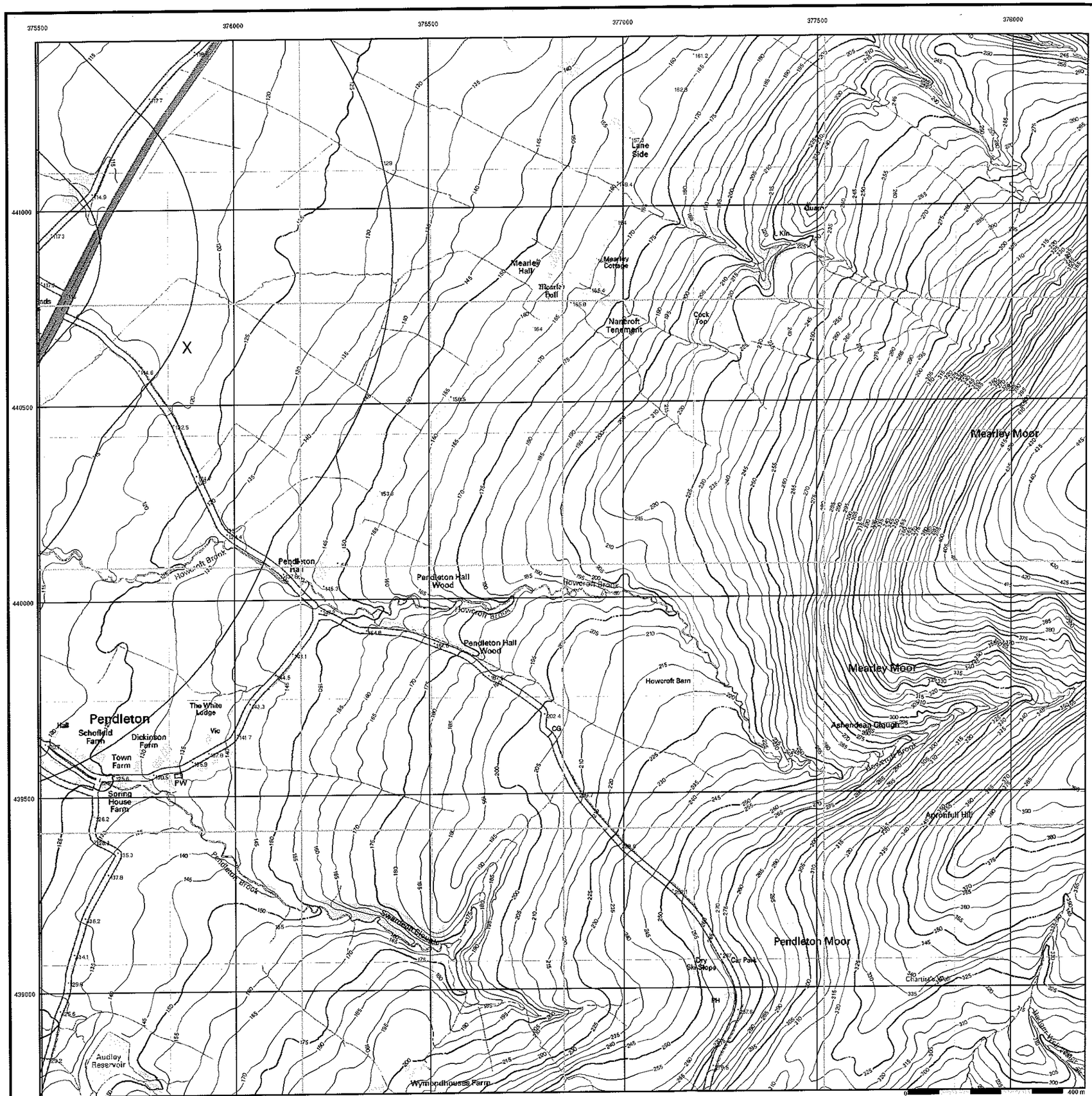


EA Flood Data Map (1:10,000)

General

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

Environment Agency Flood Data

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

Contours (height in metres)

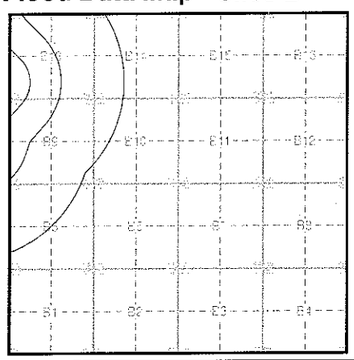
Standard Contour — 105 — 100 — 95

Index Contour

167 8 Spot Height

45 8 Air Height

EA Flood Data Map - Slice B



Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	375880, 440650
Slice:	B
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

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Landmark Information Group

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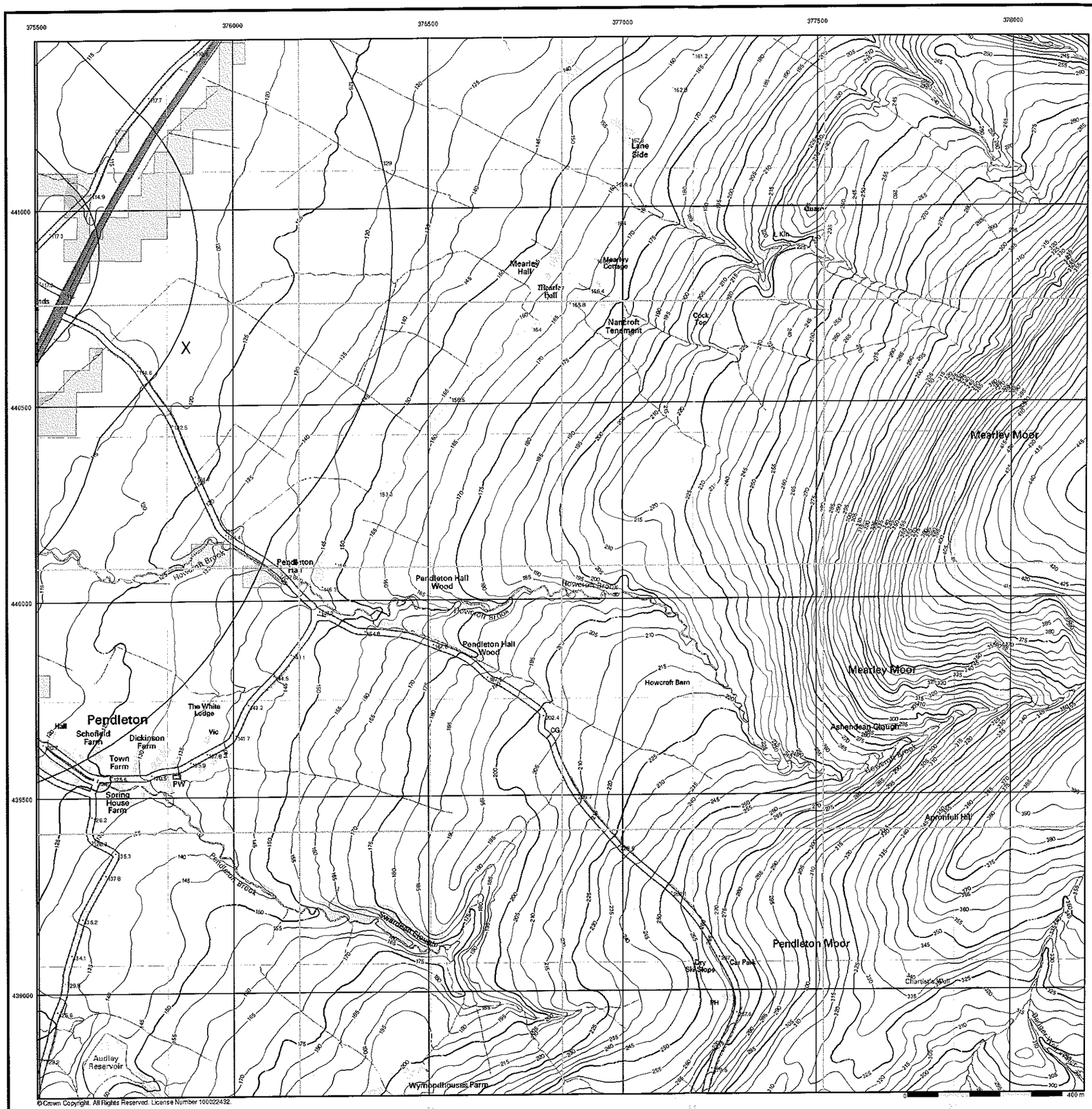
Web: www.envirocheck.co.uk



amec

RMS 75 year Return Flood Map (1:10,000)

General

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

RMS 75 year Return Flood Data

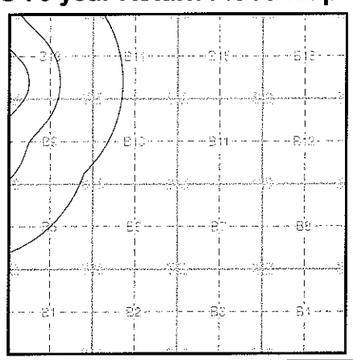
Flood Depth (mm)	Flood Type: Defended Flood	Flood Type: Undefended Flood	Pluvial & Minor River Flood (flood depth n/a)
0 - 200			
201 - 500			
501 - 2000			
2001 +			

Contours (height in metres)

Standard Contour — 105
Index Contour — 100, 95

167.3 Spot Height
45.8 Air Height

RMS 75 year Return Flood Map - Slice B



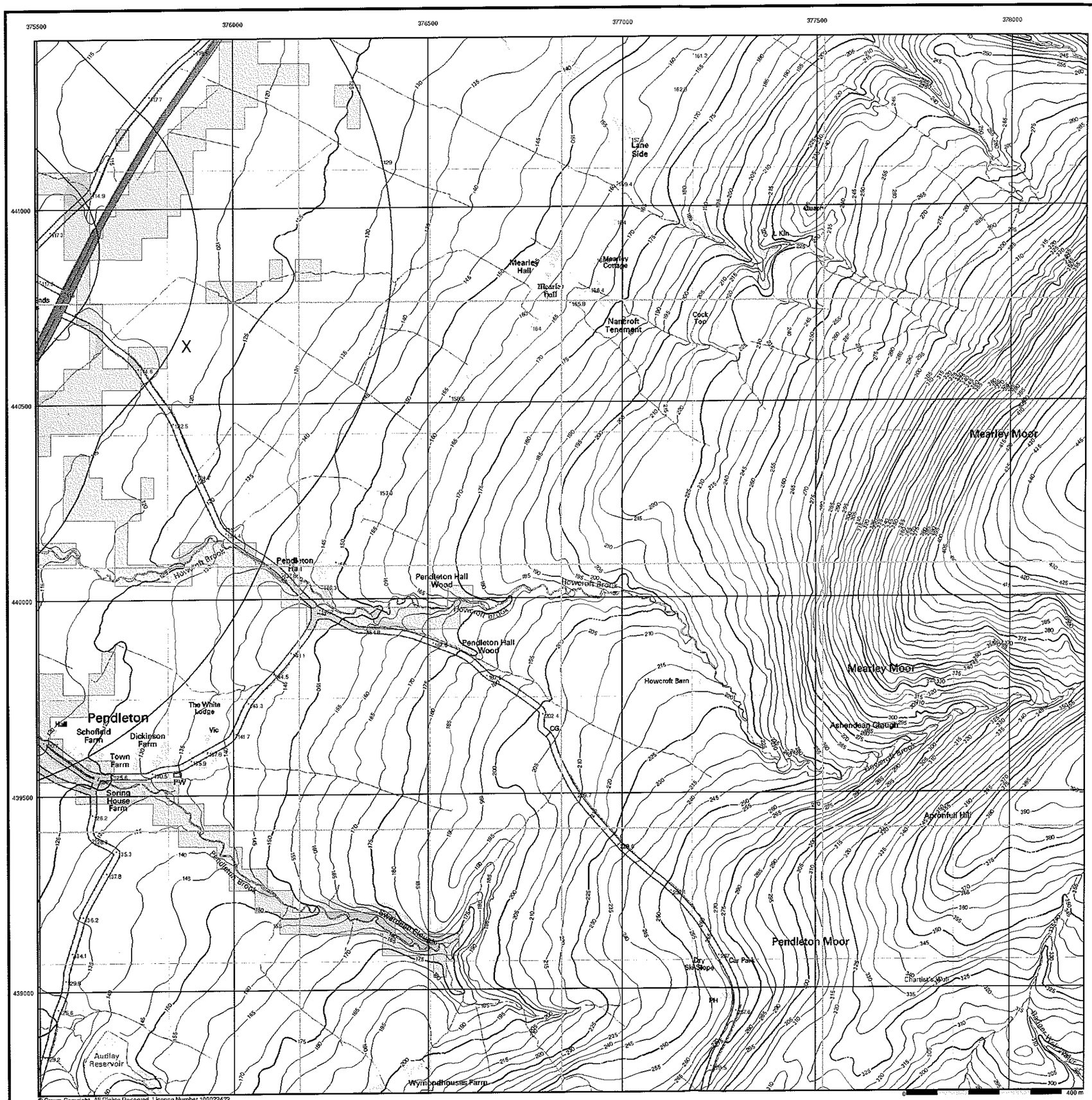
Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	375880, 440650
Slice:	B
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

Site at, Clitheroe, Lancashire

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



RMS 100 year Return Flood Map (1:10,000)

General

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

RMS 100 year Return Flood Data

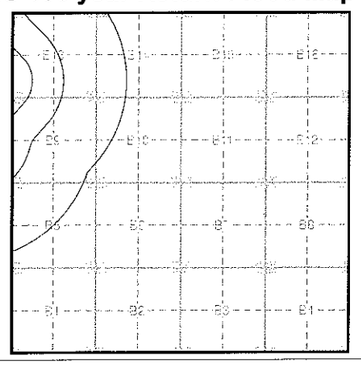
Flood Depth (mm)	Flood Type: Defended Flood	Flood Type: Undefended Flood	Pluvial & Minor River Flood (flood depth n/a)
0 - 200			
201 - 500			
501 - 2000			
2001 +			

Contours (height in metres)

Standard Contour — 105
Index Contour — 100 — 95

167.3 Spot Height
45.8 Air Height

RMS 100 year Return Flood Map - Slice B



Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	375880, 440650
Slice:	B
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

Site at, Clitheroe, Lancashire

Landmark Information Group
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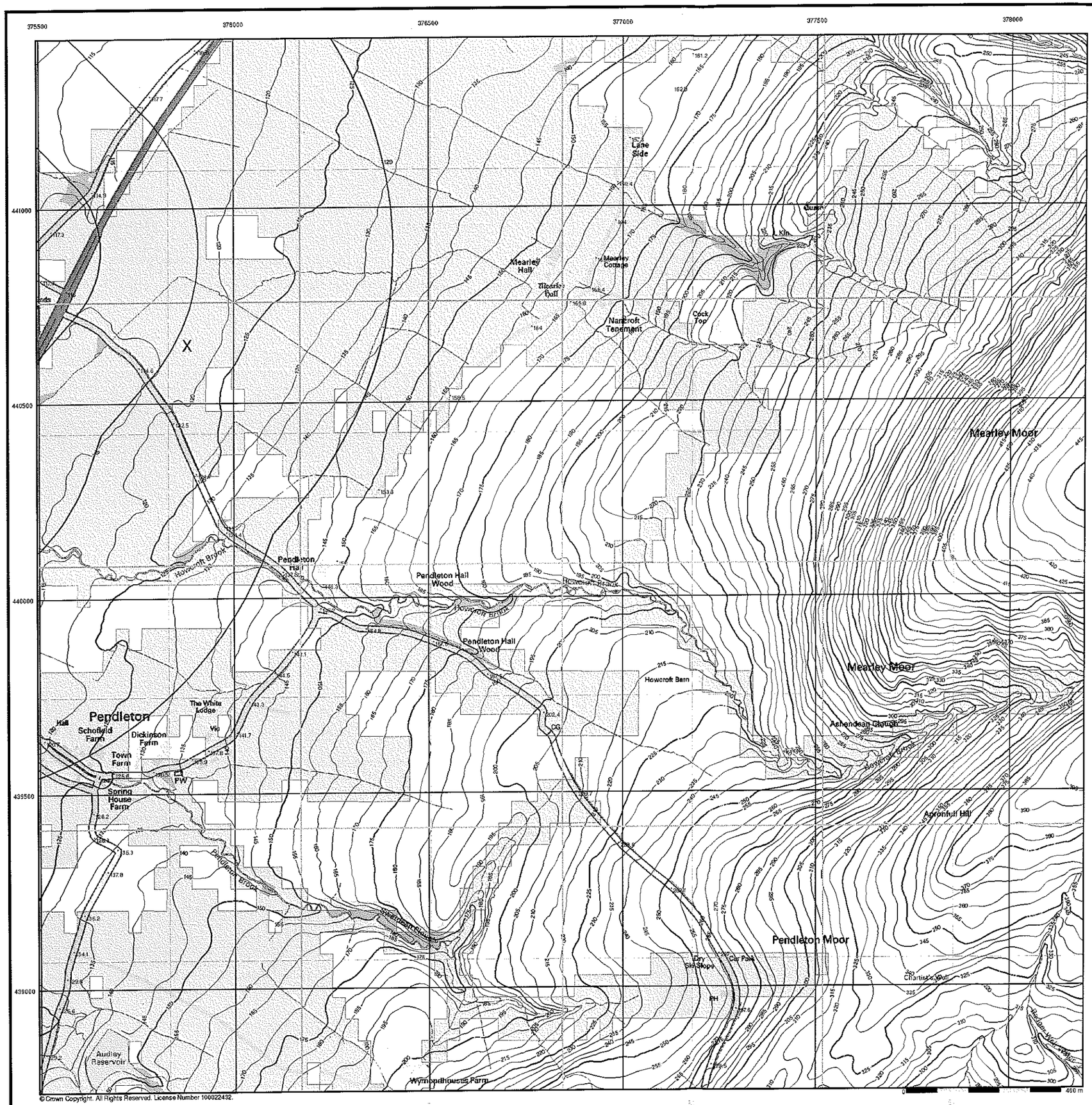


RMS 1000 year Return Flood Map (1:10,000)

General

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

RMS 1000 year Return Flood Data

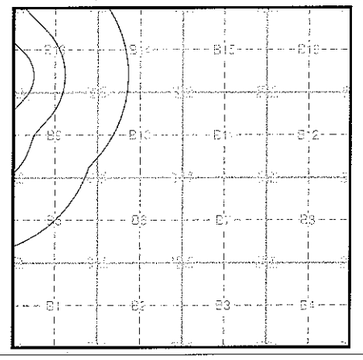
Flood Depth (mm)	Flood Type: Defended Flood	Flood Type: Undefended Flood	Pluvial & Minor River Flood (flood depth n/a)
0 - 200			
201 - 500			
501 - 2000			
2001 +			

Contours (height in metres)

Standard Contour — 105
Index Contour — 100, 95

167.3 Spot Height
45.8 Air Height

RMS 1000 year Return Flood Map - Slice B

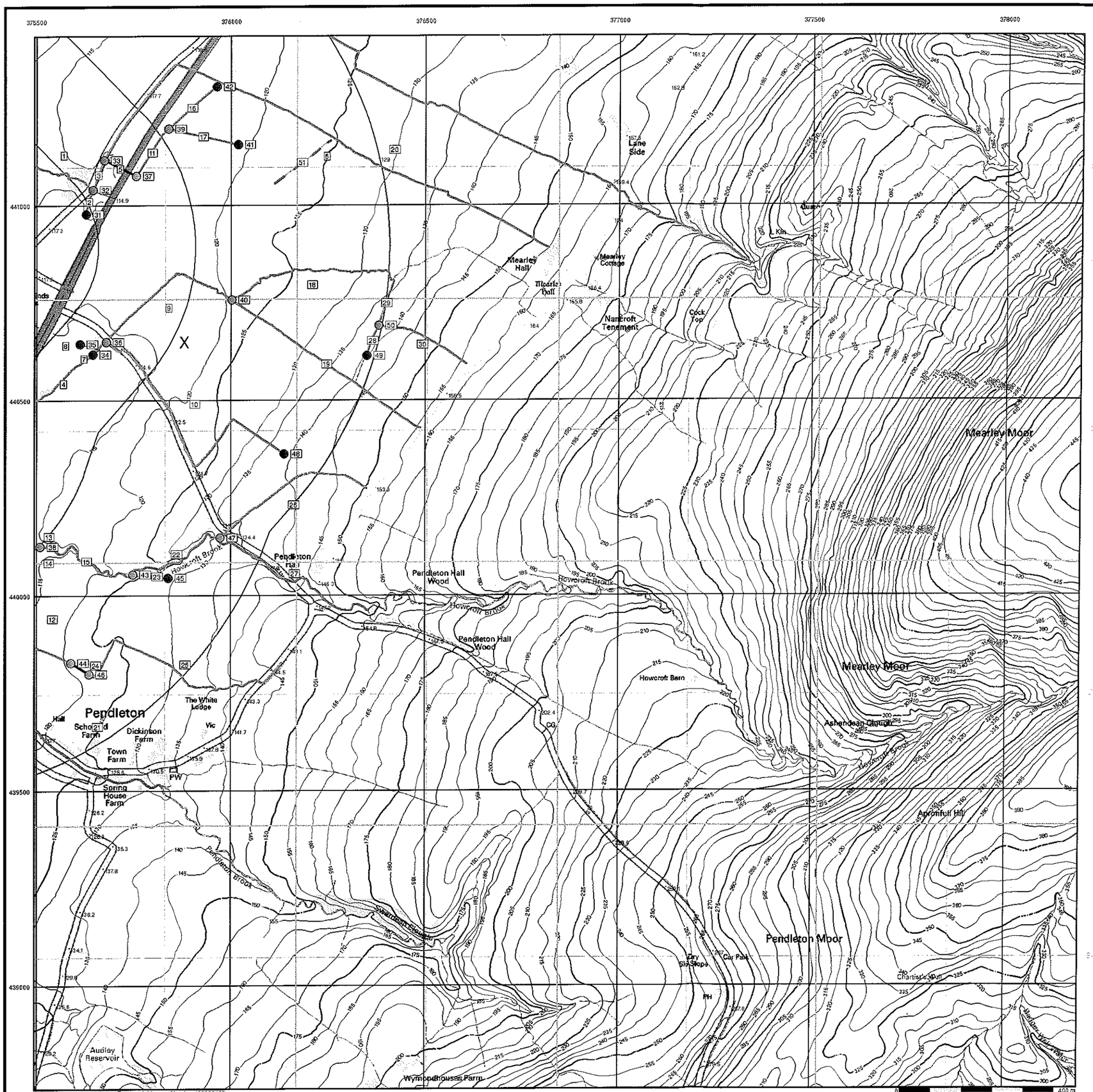


Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	375880, 440650
Slice:	B
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

Site at, Clitheroe, Lancashire



amec

EA Detailed River Network Map (1:10,000)

General

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

EA Detailed River Network Data

- Primary River
- Secondary River
- Tertiary River
- Canal
- Canal Tunnel
- Undefined River
- Lake/Reservoir
- Extended Culvert (greater than 50m)
- Underground River (inferred)
- Underground River (local knowledge)
- Downstream of High Water Mark
- Downstream of Seaward Extension
- Not assigned River feature

- Source
- Junction
- Sink
- Non-interactive Node
- Offline Drainage Feature
- Not assigned River feature
- Pseudo Node (general)
- Pseudo Node (High Water Mark)
- Pseudo Node (OS MasterMap polygon boundary)

Contours (height in metres)

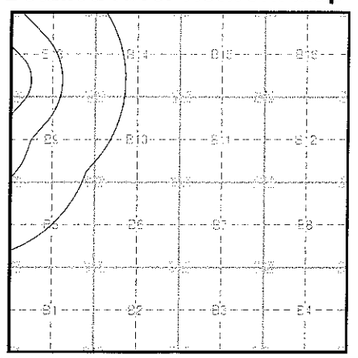
Standard Contour 105 100 95

Index Contour

167.3 Spot Height

45.8 Air Height

EA Detailed River Network Map - Slice B



Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	375880, 440650
Slice:	B
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

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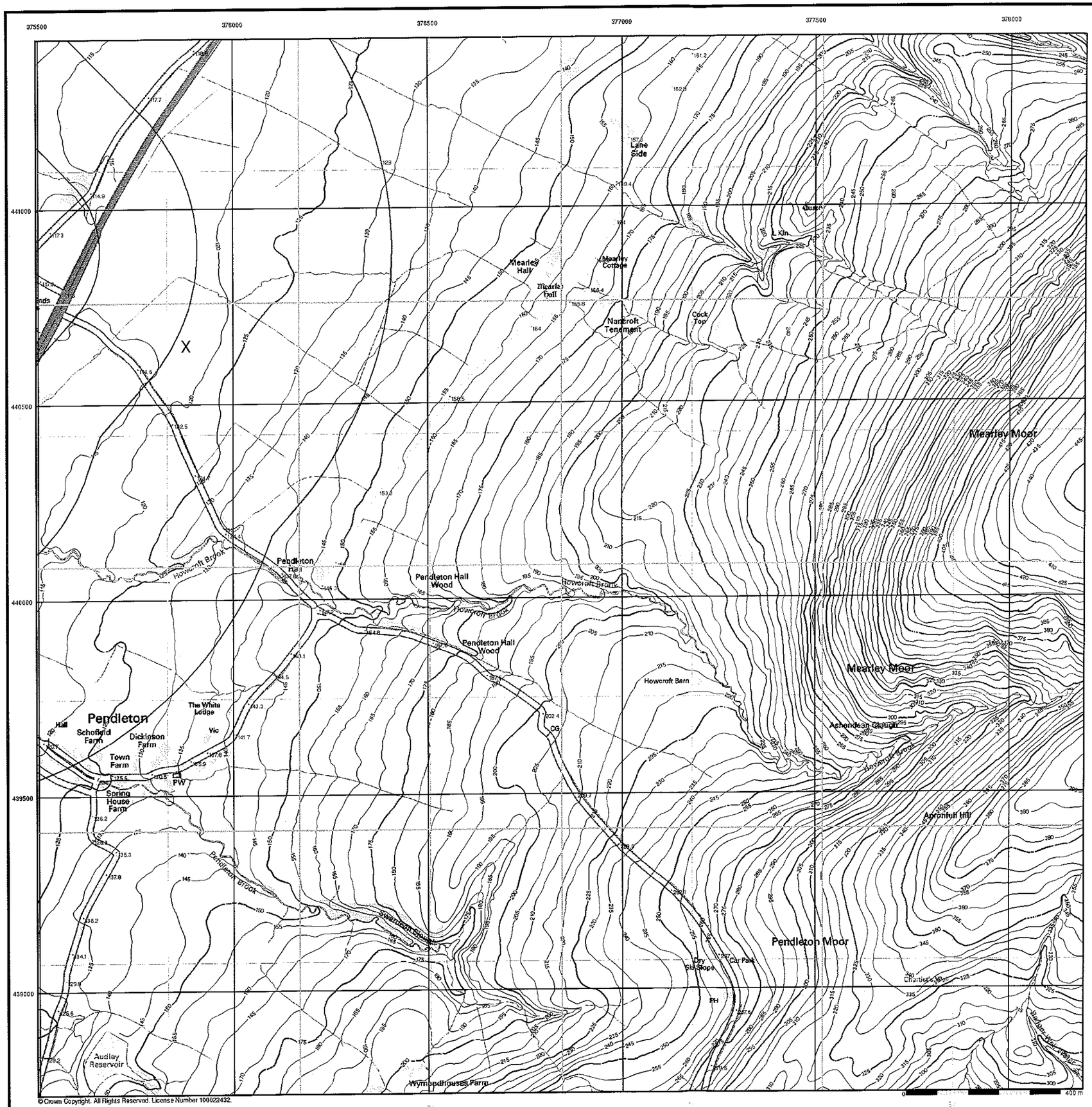


EA Historic Flood Map (1:10,000)

General

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

EA Historic Flood Events Data

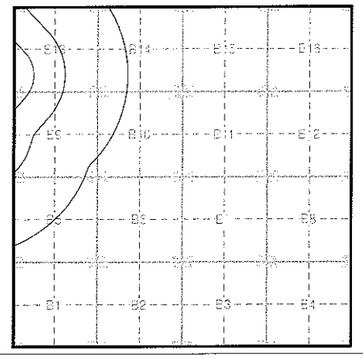
- Channel Capacity Exceeded (no raised defences)
- Groundwater/High Water Table
- Local Drainage/Surface Water
- Mechanical Failure
- Obstruction/Blockage - Bridge
- Obstruction/Blockage - Channel
- Obstruction/Blockage - Culvert
- Obstruction/Blockage - Debris Screen
- Operational Failure/ Breach of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

Contours (height in metres)

Standard Contour — 105 —
Index Contour — 100 — 95 —

187.3 Spot Height
45.8 Air Height

EA Historic Flood Map - Slice B



Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	375880, 440650
Slice:	B
Site Area (Ha):	51.39
Search Buffer (m):	1000

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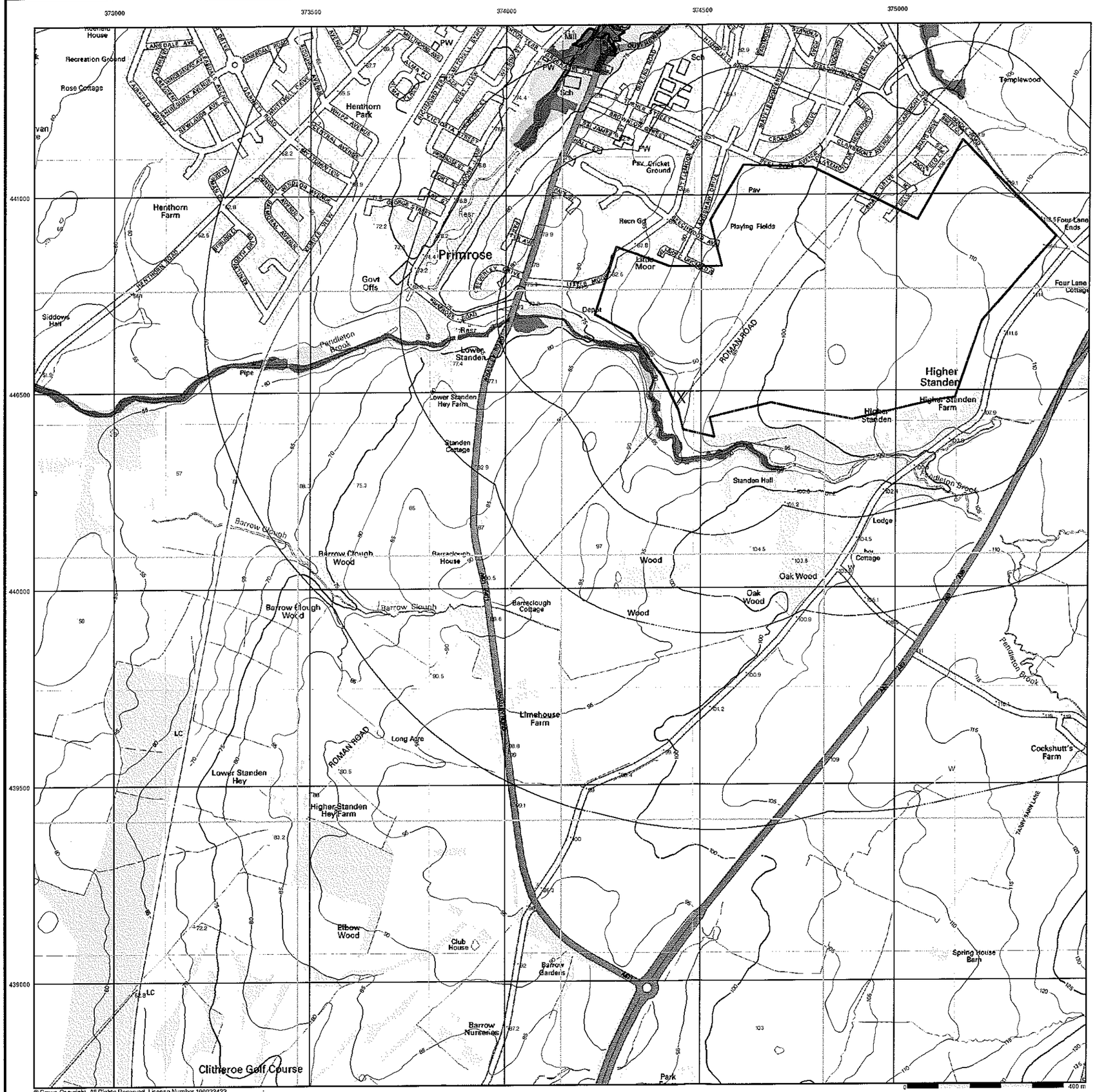


amec

EA Flood Data Map (1:10,000)

General

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

Environment Agency Flood Data

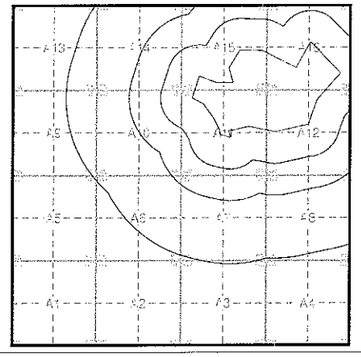
- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Contours (height in metres)

Standard Contour — 105 — 100 — 95 — 167.8 Spot Height

Index Contour — 45.8 Air Height

EA Flood Data Map - Slice A



Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	374450, 440480
Slice:	A
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

Site at, Clitheroe, Lancashire

Landmark Information Group

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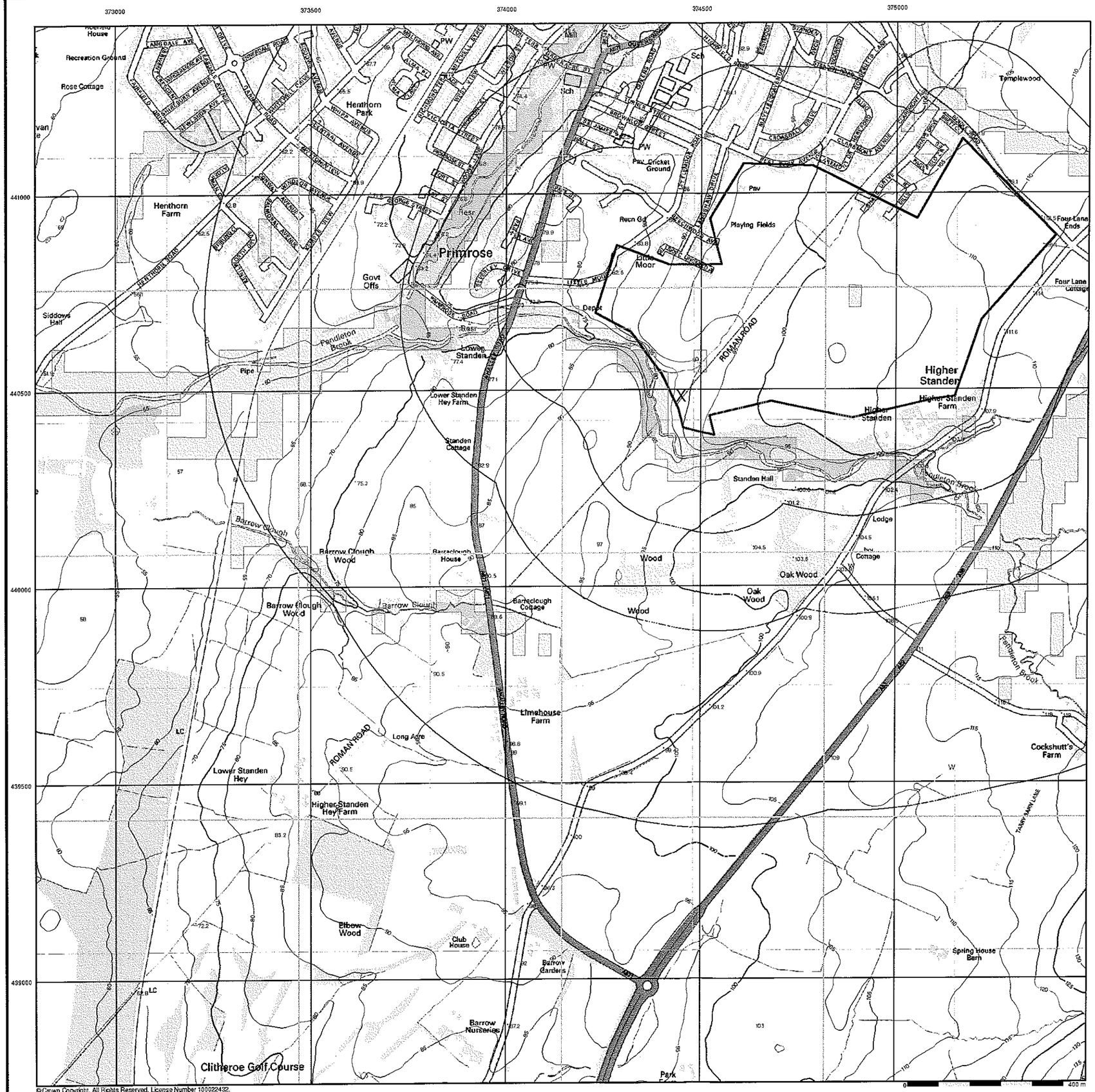
Web: www.envirocheck.co.uk



amec

RMS 75 year Return Flood Map (1:10,000)

General

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

RMS 75 year Return Flood Data

Flood Depth (mm)	Flood Type: Defended Flood	Flood Type: Undefended Flood	Pluvial & Minor River Flood (flood depth n/a)
0 - 200			
201 - 500			
501 - 2000			
2001 +			

Contours (height in metres)

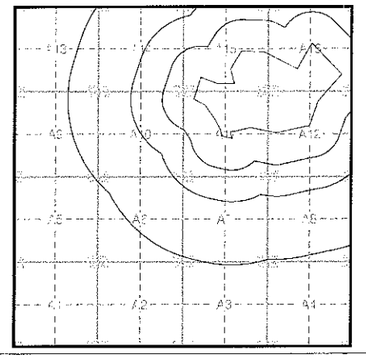
Standard Contour — 105

Index Contour — 100 — 95

167.3 Spot Height

45.8 Air Height

RMS 75 year Return Flood Map - Slice A



Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	374450, 440480
Slice:	A
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

Site at, Clitheroe, Lancashire

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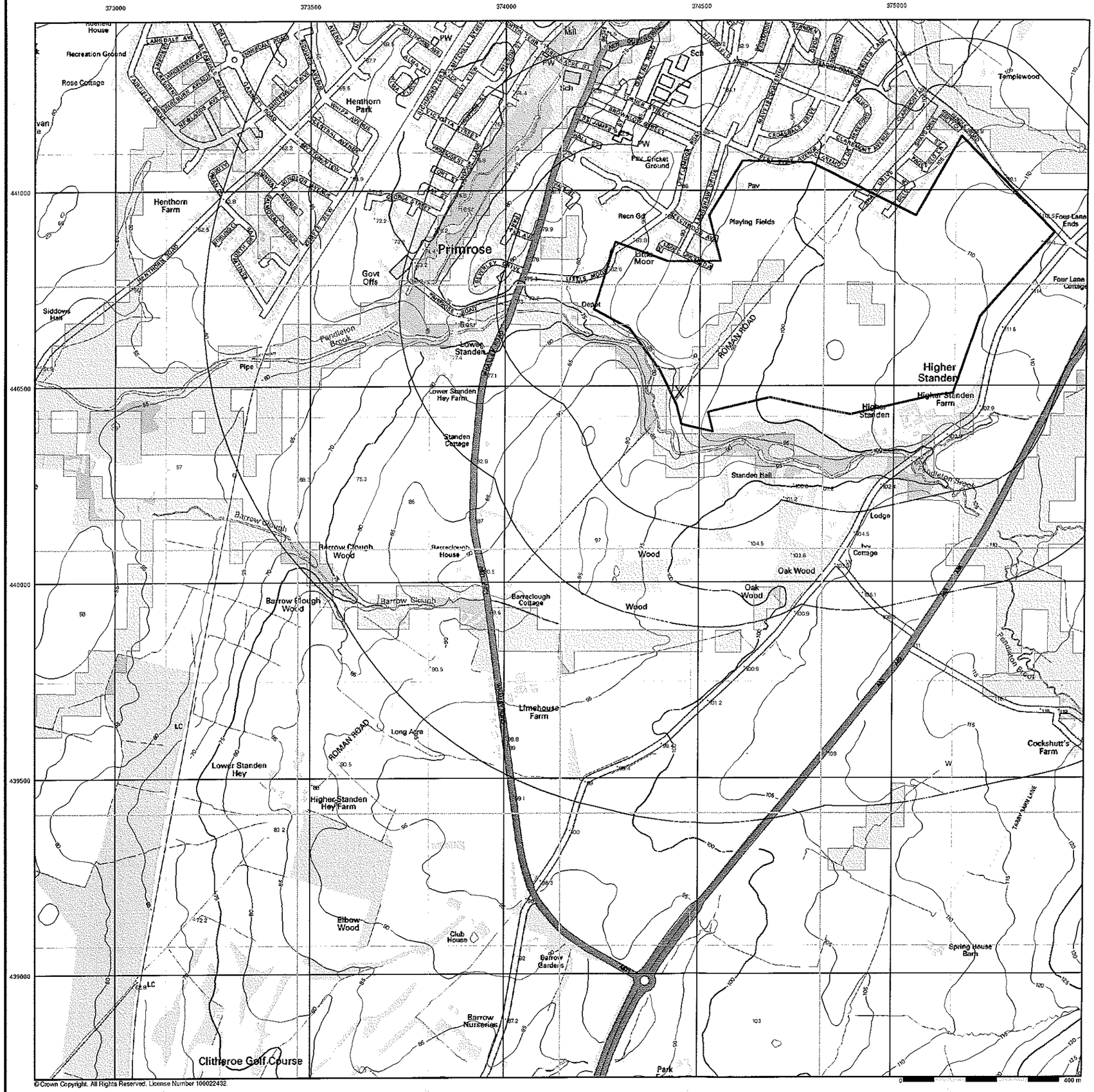
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



RMS 100 year Return Flood Map (1:10,000)

General

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

RMS 100 year Return Flood Data

Flood Depth (mm)	Flood Type: Defended Flood	Flood Type: Undefended Flood	Pluvial & Minor River Flood (flood depth n/a)
0 - 200			
201 - 500			
501 - 2000			
2001 +			

Contours (height in metres)

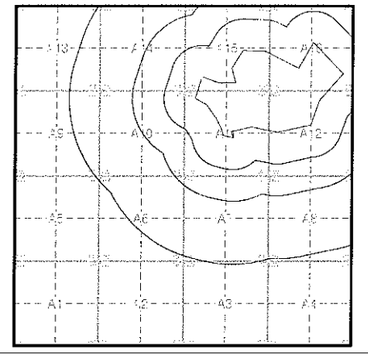
Standard Contour 105 100 95

Index Contour

167.3 Spot Height

45.8 Air Height

RMS 100 year Return Flood Map - Slice A



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Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	374450, 440480
Slice:	A
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

Site at, Clitheroe, Lancashire

Landmark Information Group

Tel: 0844 844 9952
Fax: 0844 844 9951
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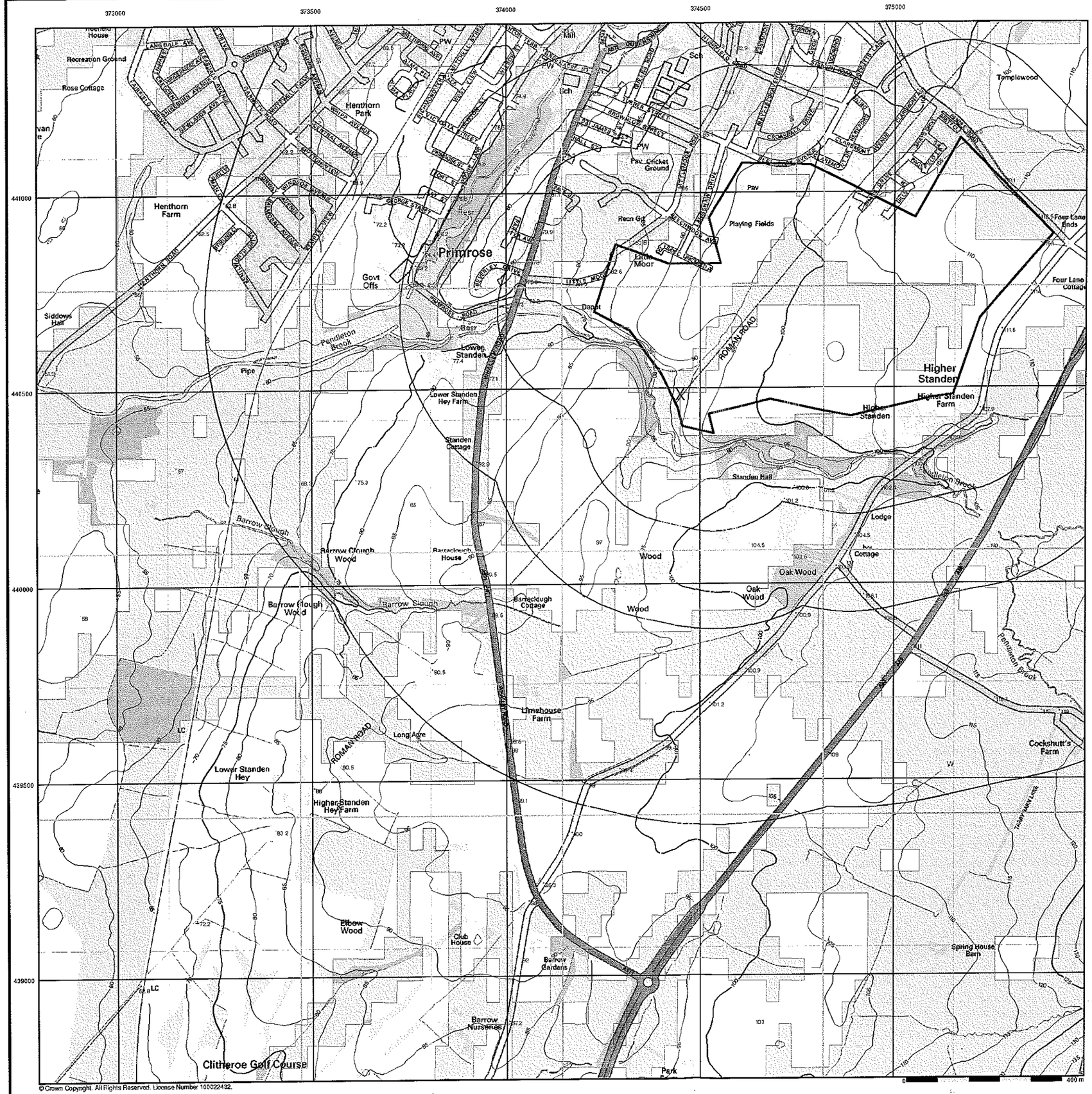


RMS 1000 year Return Flood Map (1:10,000)

General

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

RMS 1000 year Return Flood Data

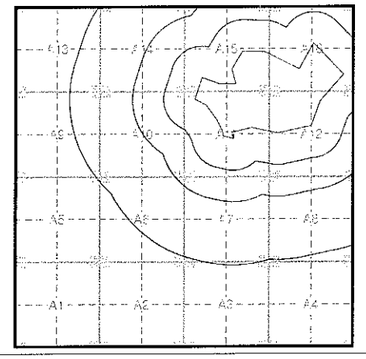
Flood Depth (mm)	Flood Type: Defended Flood	Flood Type: Undefended Flood	Pluvial & Minor River Flood (flood depth n/a)
0 - 200			
201 - 500			
501 - 2000			
2001 +			

Contours (height in metres)

Standard Contour — 105
Index Contour — 100 — 95

167 3 Spot Height
45 8 Air Height

RMS 1000 year Return Flood Map - Slice A



Order Details

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Customer Ref:	29421-09-po244230
National Grid Reference:	374450, 440480
Slice:	A
Site Area (Ha):	51.39
Search Buffer (m):	1000

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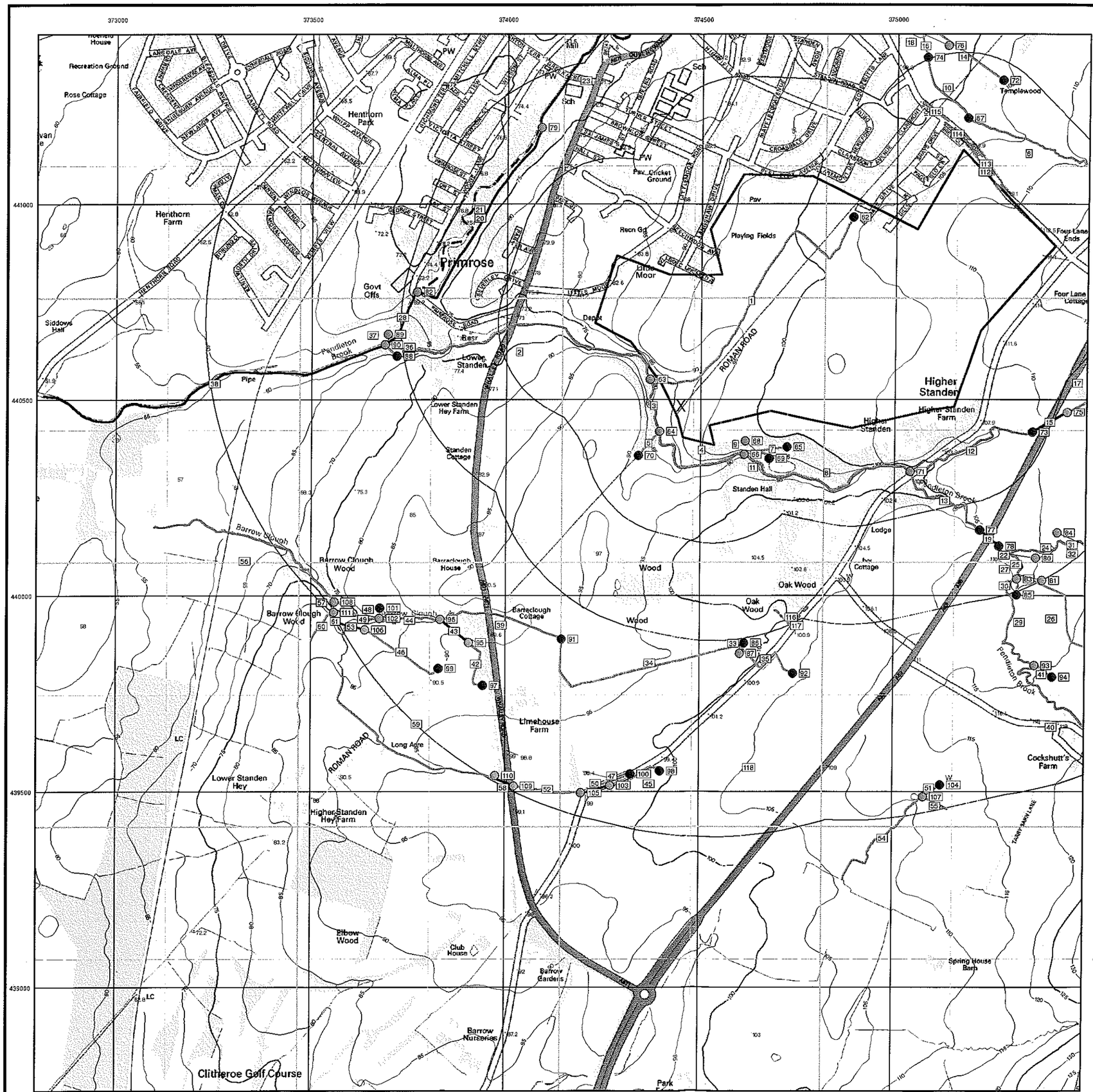


EA Detailed River Network Map (1:10,000)

General

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

EA Detailed River Network Data

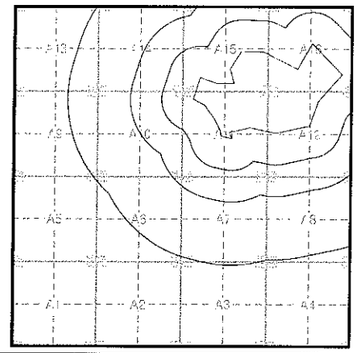
- Primary River
- Secondary River
- Tertiary River
- Canal
- Canal Tunnel
- Undefined River
- Lake/Reservoir
- Extended Culvert (greater than 50m)
- Underground River (inferred)
- Underground River (local knowledge)
- Downstream of High Water Mark
- Downstream of Seaward Extension
- Not assigned River feature
- Source
- Junction
- Sink
- Non-interactive Node
- Offline Drainage Feature
- Not assigned River feature
- Pseudo Node (general)
- Pseudo Node (High Water Mark)
- Pseudo Node (OS MasterMap polygon boundary)

Contours (height in metres)

Standard Contour — 105
Index Contour — 100, 95

167.3 Spot Height
45.8 Air Height

EA Detailed River Network Map - Slice A



Order Details

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Customer Ref:	29421-09-po244230
National Grid Reference:	374450, 440480
Slice:	A
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

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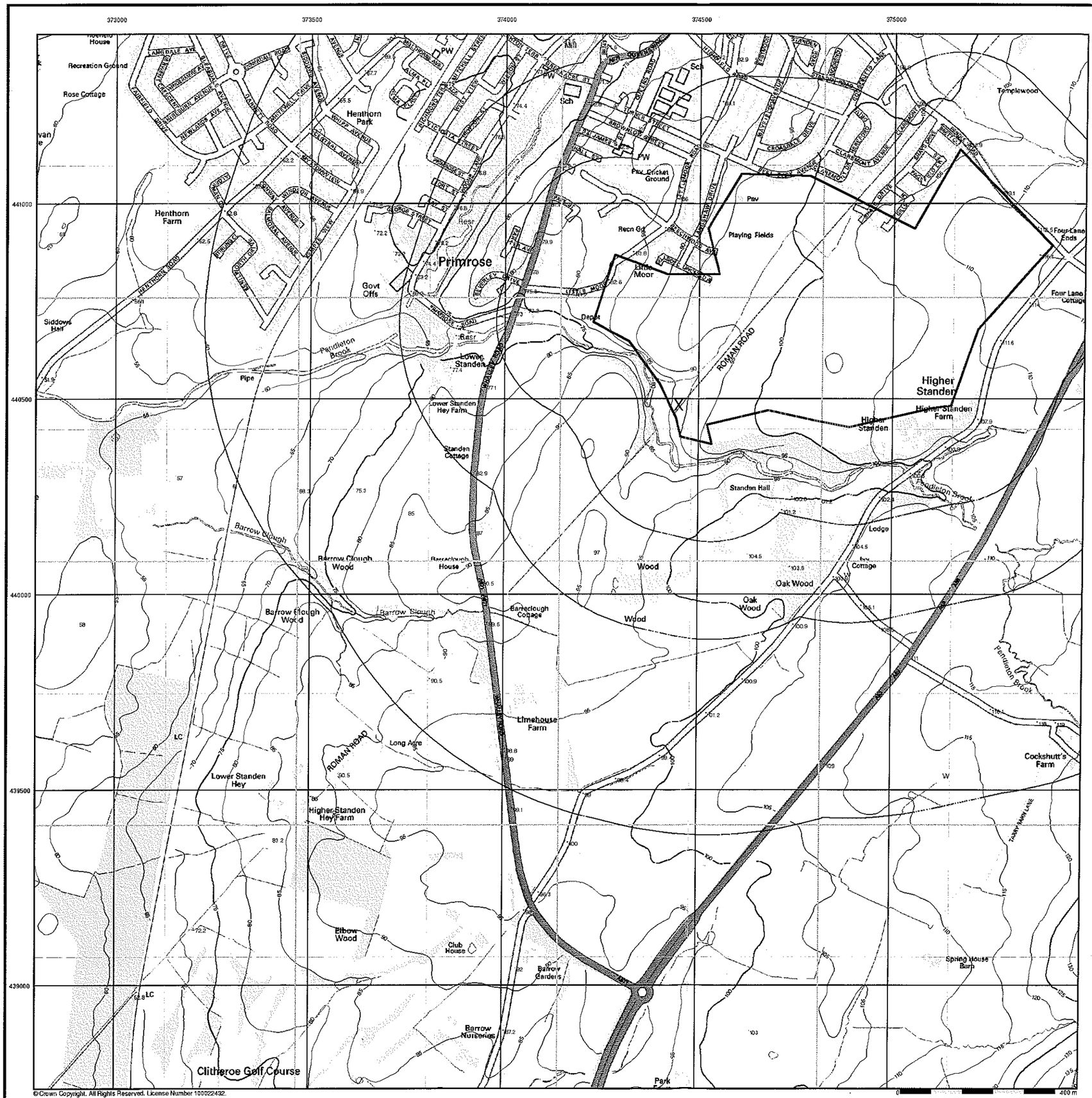


EA Historic Flood Map (1:10,000)

General

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

EA Historic Flood Events Data

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

- Historical Flood Liabilities

Contours (height in metres)

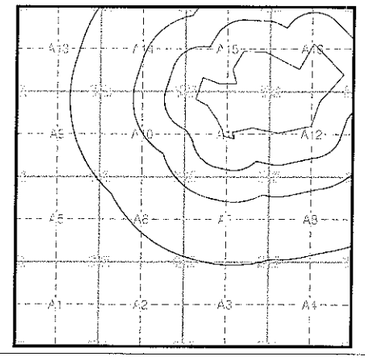
Standard Contour — 105 — 100 — 95

Index Contour

167.3 Spot Height

45.8 Air Height

EA Historic Flood Map - Slice A



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Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	374450, 440480
Slice:	A
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

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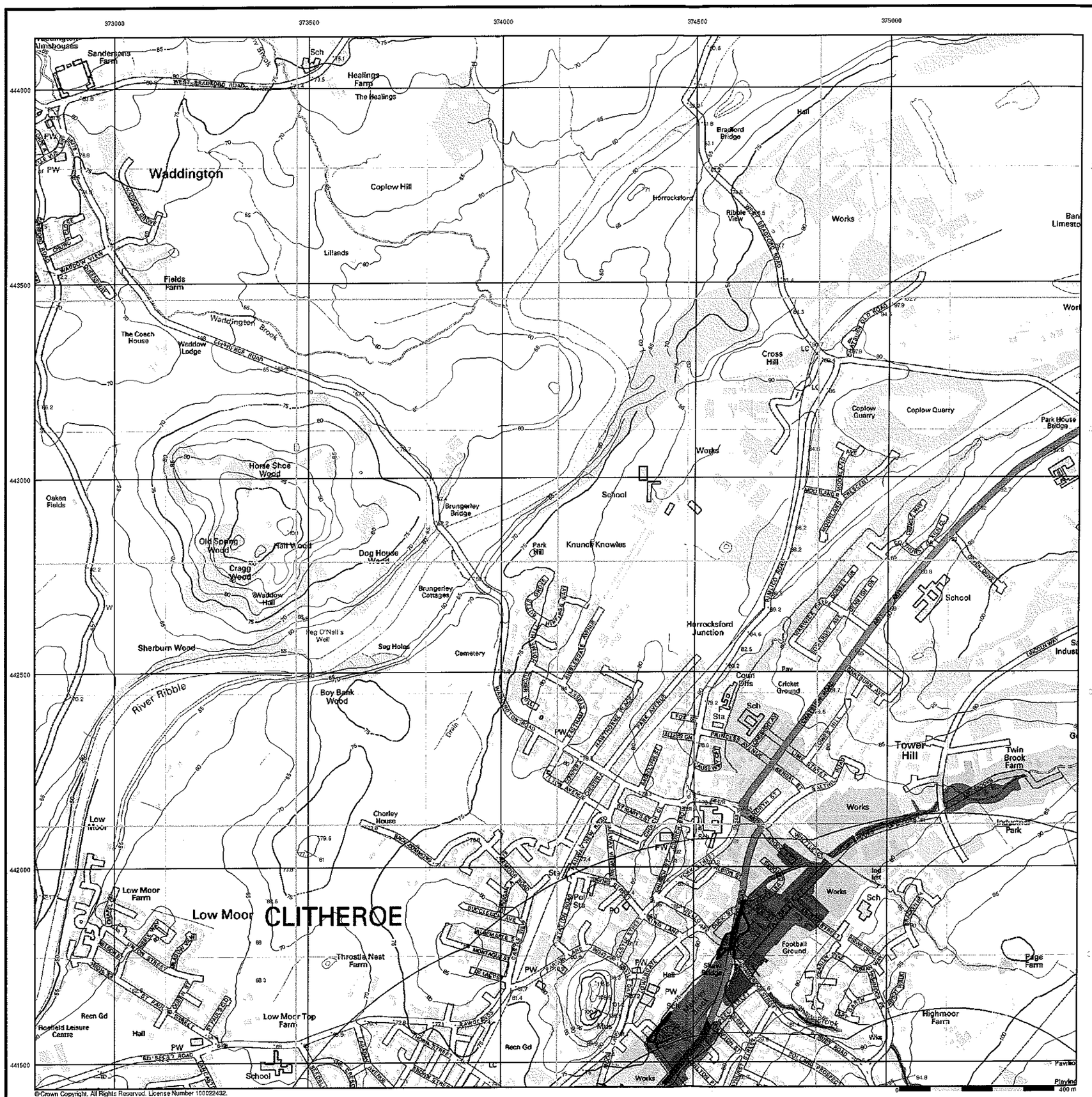


EA Flood Data Map (1:10,000)

General

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

Environment Agency Flood Data

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

Contours (height in metres)

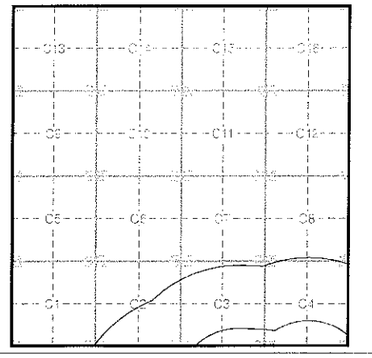
Standard Contour — 105 — 100 — 95

Index Contour

167.8 Spot Height

45.8 Air Height

EA Flood Data Map - Slice C



Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	374660, 441730
Slice:	C
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

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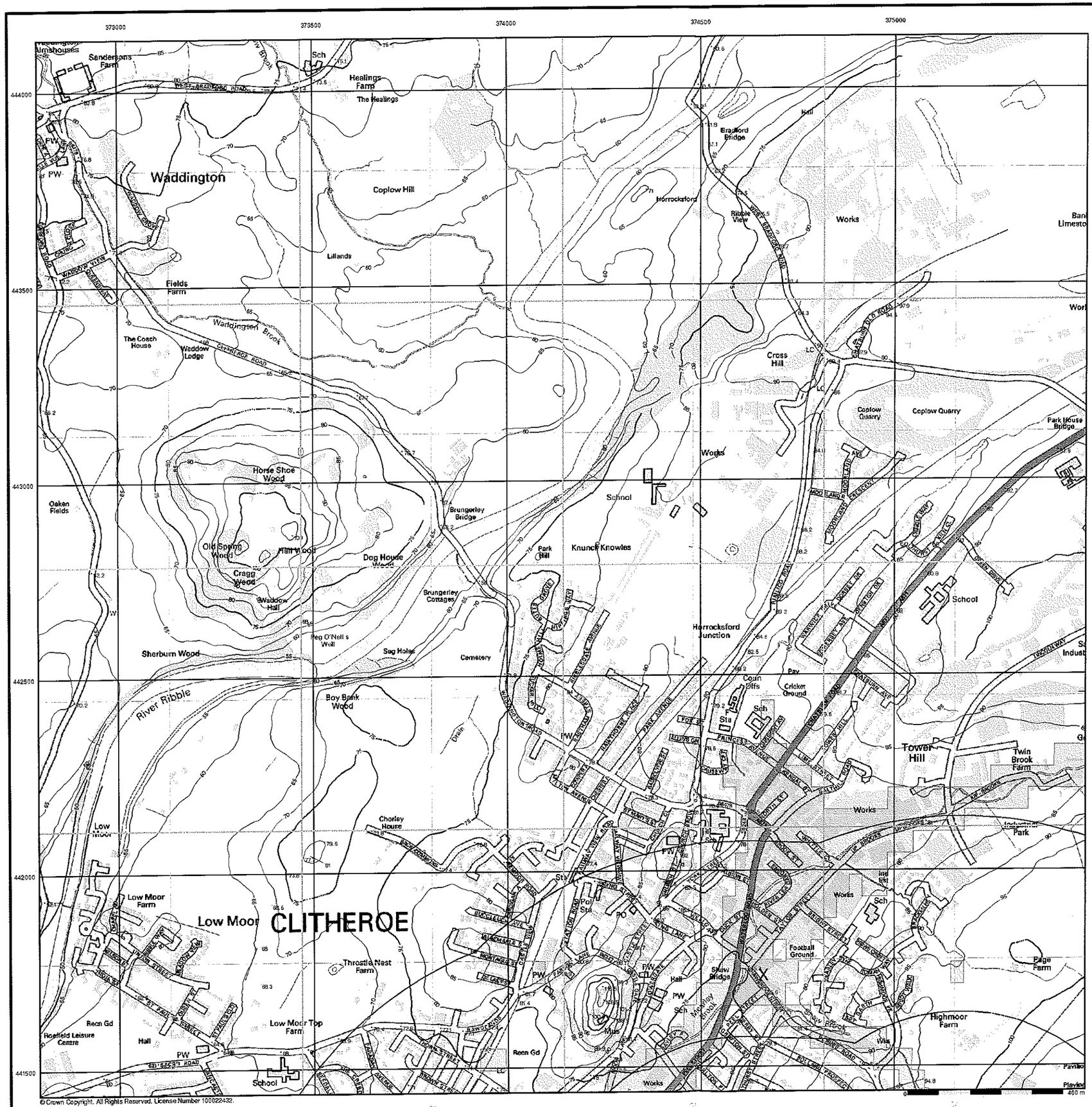


RMS 75 year Return Flood Map (1:10,000)

General

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

RMS 75 year Return Flood Data

Flood Depth (mm)	Flood Type: Defended Flood	Flood Type: Undefended Flood	Pluvial & Minor River Flood (flood depth n/a)
0 - 200			
201 - 500			
501 - 2000			
2001 +			

Contours (height in metres)

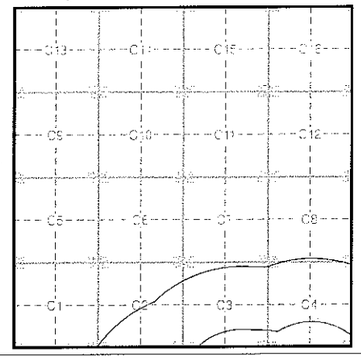
Standard Contour — 105 — 100 — 95

Index Contour

167.3 Spot Height

45.8 Air Height

RMS 75 year Return Flood Map - Slice C



Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	374660, 441730
Slice:	C
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

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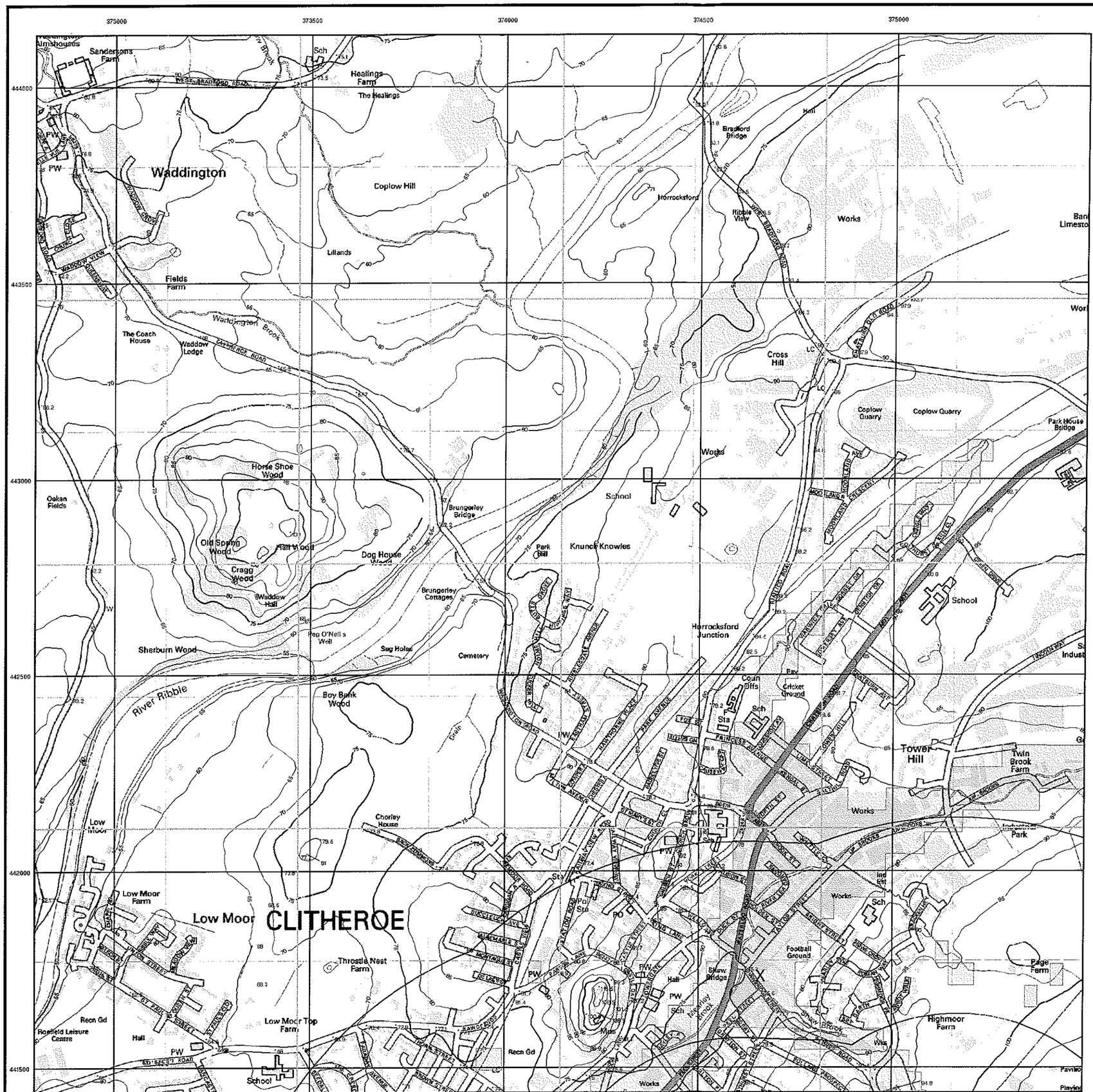


RMS 100 year Return Flood Map (1:10,000)

General

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

RMS 100 year Return Flood Data

Flood Depth (mm)	Flood Type: Defended Flood	Flood Type: Undefended Flood	Pluvial & Minor River Flood (flood depth n/a)
0 - 200			
201 - 500			
501 - 2000			
2001 +			

Contours (height in metres)

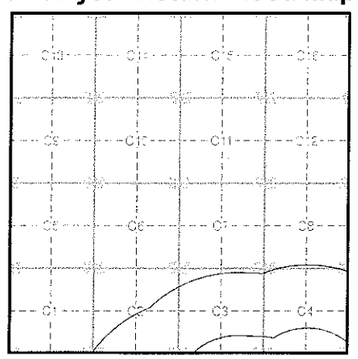
Standard Contour — 105 — 100 — 95

Index Contour

167.3 Spot Height

45.8 Air Height

RMS 100 year Return Flood Map - Slice C



Order Details

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Customer Ref:	29421-09-po244230
National Grid Reference:	374660, 441730
Slice:	C
Site Area (Ha):	51.39
Search Buffer (m):	1000

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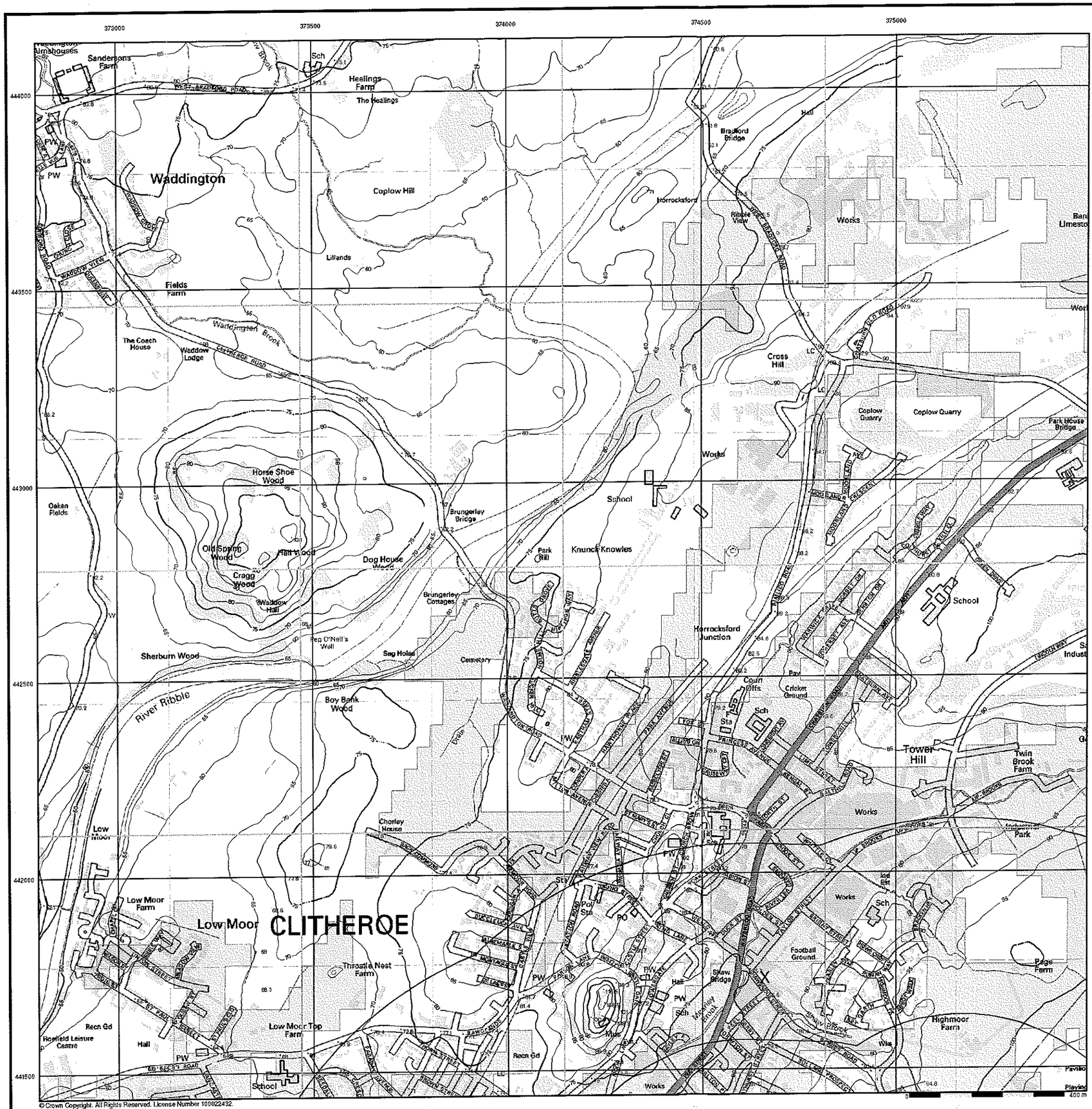


RMS 1000 year Return Flood Map (1:10,000)

General

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

RMS 1000 year Return Flood Data

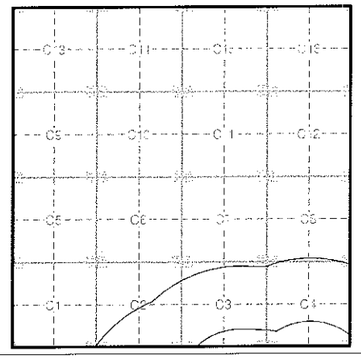
Flood Depth (mm)	Flood Type: Defended Flood	Flood Type: Undefended Flood	Pluvial & Minor River Flood (flood depth n/a)
0 - 200			
201 - 500			
501 - 2000			
2001 +			

Contours (height in metres)

Standard Contour — 105 — 100 — 95 — 167.3 Spot Height

Index Contour — 45.8 Air Height

RMS 1000 year Return Flood Map - Slice C



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Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	374660, 441730
Slice:	C
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

Site at, Clitheroe, Lancashire

Landmark Information Group

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Web: www.envirocheck.co.uk

EA Detailed River Network Map (1:10,000)

General

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

EA Detailed River Network Data

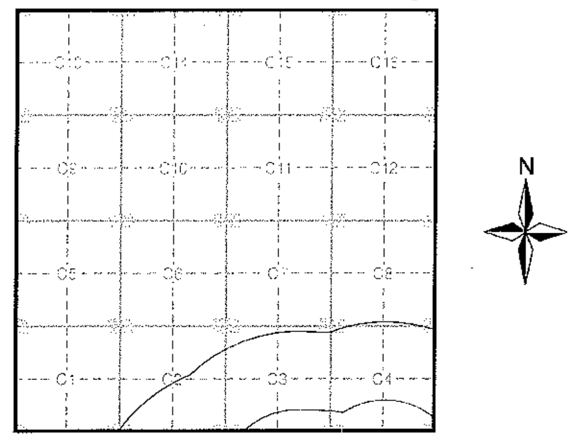
Primary River	Extended Culvert (greater than 50m)
Secondary River	Underground River (inferred)
Tertiary River	Underground River (local knowledge)
Canal	Downstream of High Water Mark
Canal Tunnel	Downstream of Seaward Extension
Undefined River	Not assigned River feature
Lake/Reservoir	
Source	Not assigned River feature
Junction	Pseudo Node (general)
Sink	Pseudo Node (High Water Mark)
Non-interactive Node	Pseudo Node (OS MasterMap polygon boundary)
Offline Drainage Feature	

Contours (height in metres)

Standard Contour — 105 — 100 — 95 — 167 3 Spot Height

Index Contour — 45 8 Air Height

EA Detailed River Network Map - Slice C



Order Details

Order Number: 38714560_1_1
Customer Ref: 29421-09-po244230
National Grid Reference: 374660, 441730
Slice: C
Site Area (Ha): 51.39
Search Buffer (m): 1000

Site Details

Site at, Clitheroe, Lancashire

Landmark Information Group

Tel: 0844 844 9952
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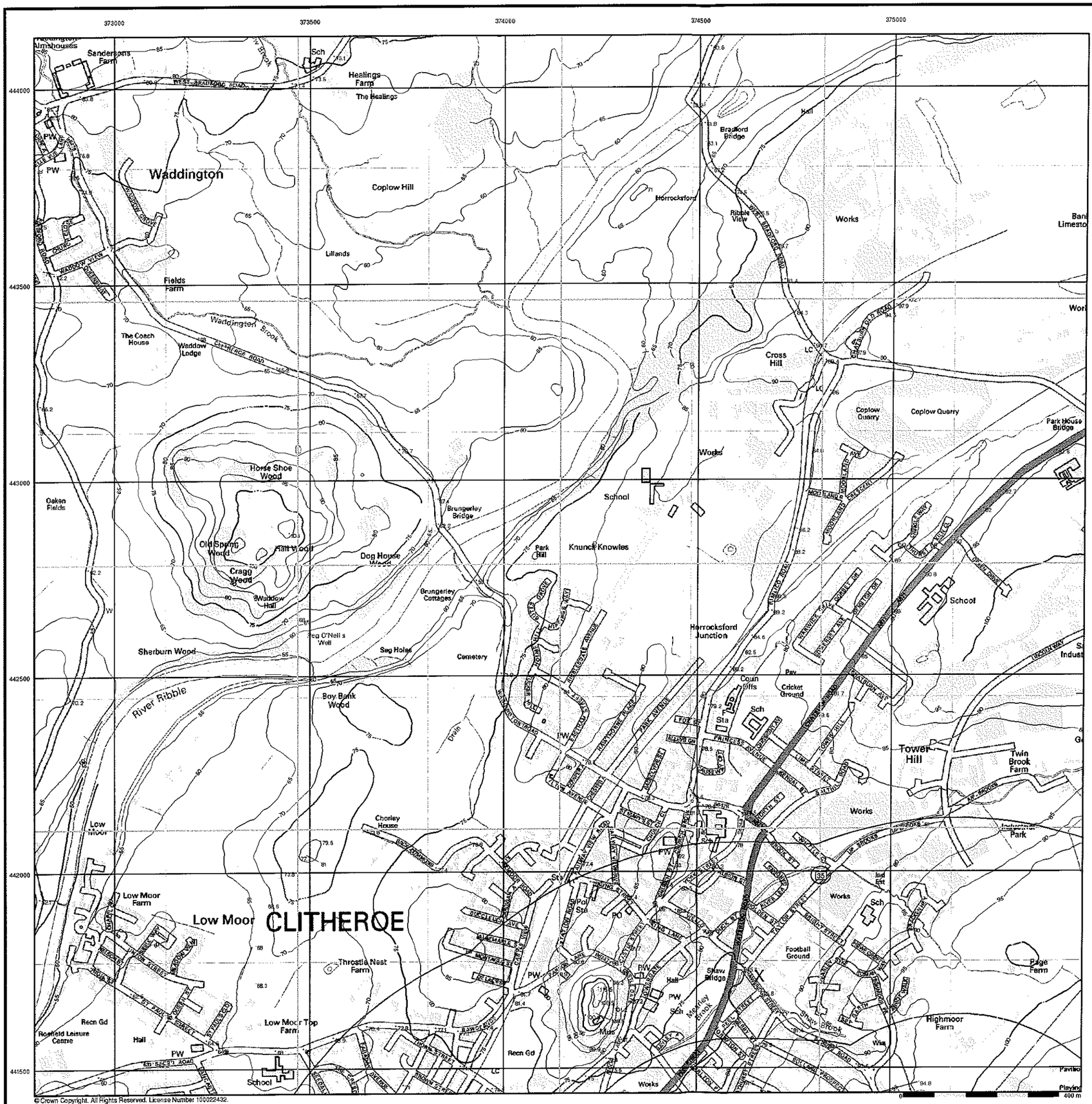

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EA Historic Flood Map (1:10,000)

General

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

EA Historic Flood Events Data

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

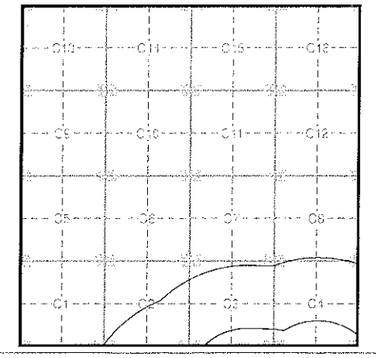
Contours (height in metres)

Standard Contour 105 — Index Contour 100 95

167.3 Spot Height

45.8 Air Height

EA Historic Flood Map - Slice C



Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	374660, 441730
Slice:	C
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Search Buffer (m):	1000

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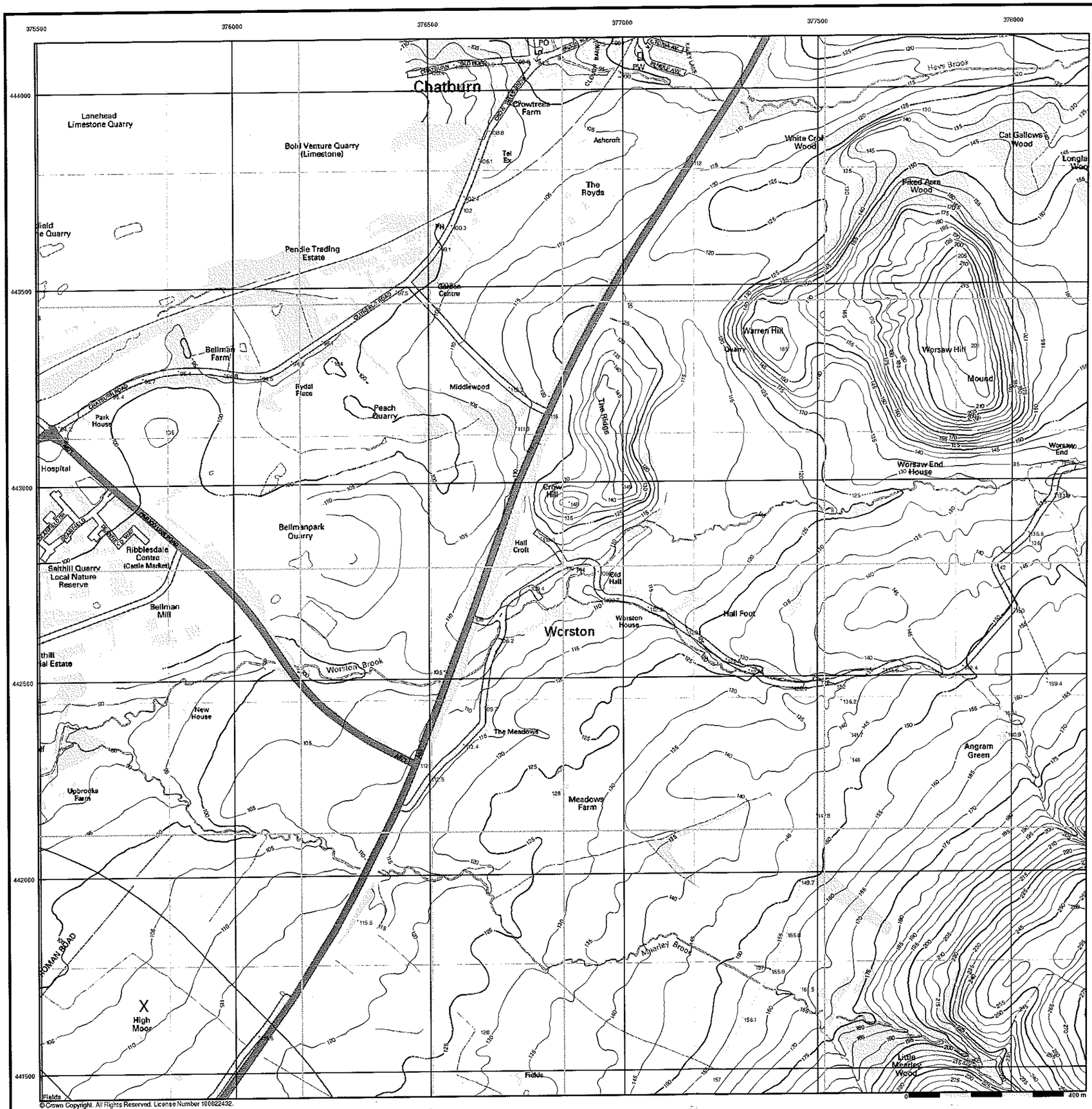

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EA Flood Data Map (1:10,000)

General

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

Environment Agency Flood Data

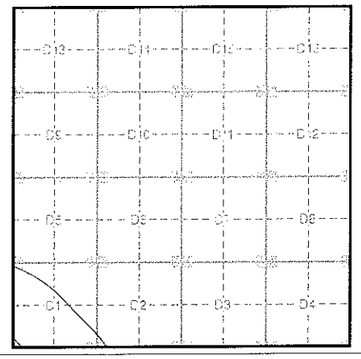
- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Contours (height in metres)

Standard Contour — 105 — 100 — 95 — 167.8 Spot Height

Index Contour — 45.8 Air Height

EA Flood Data Map - Slice D



Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	375760, 441670
Slice:	D
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

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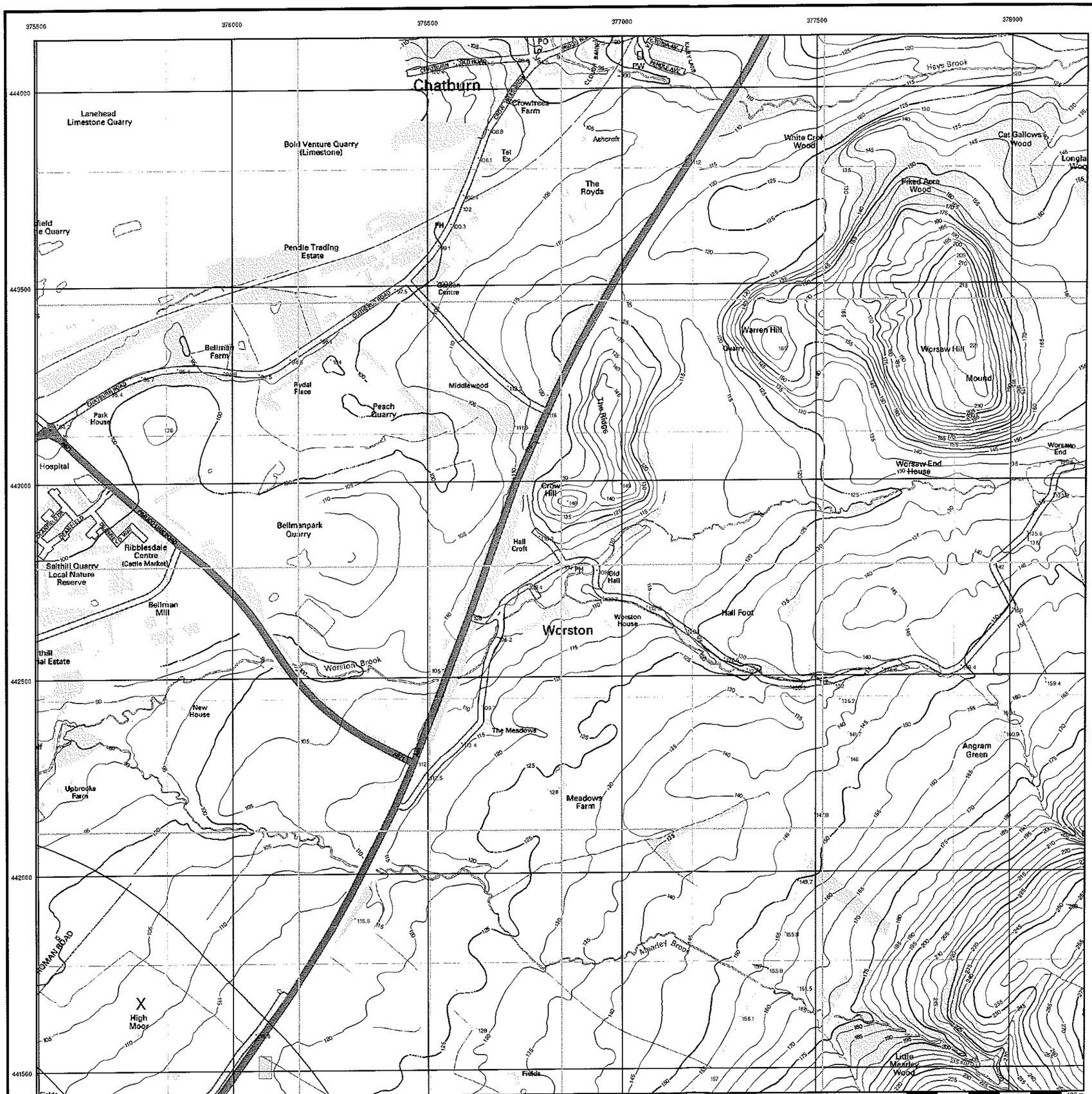


RMS 75 year Return Flood Map (1:10,000)

General

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

RMS 75 year Return Flood Data

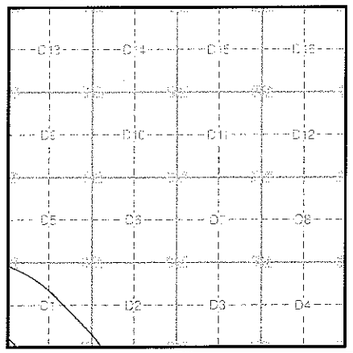
Flood Depth (mm)	Flood Type: Defended Flood	Flood Type: Undefended Flood	Pluvial & Minor River Flood (flood depth n/a)
0 - 200			
201 - 500			
501 - 2000			
2001 +			

Contours (height in metres)

Standard Contour — 105
Index Contour — 100, 95

167.3 Spot Height
45.8 Air Height

RMS 75 year Return Flood Map - Slice D



Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	375760, 441670
Slice:	D
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

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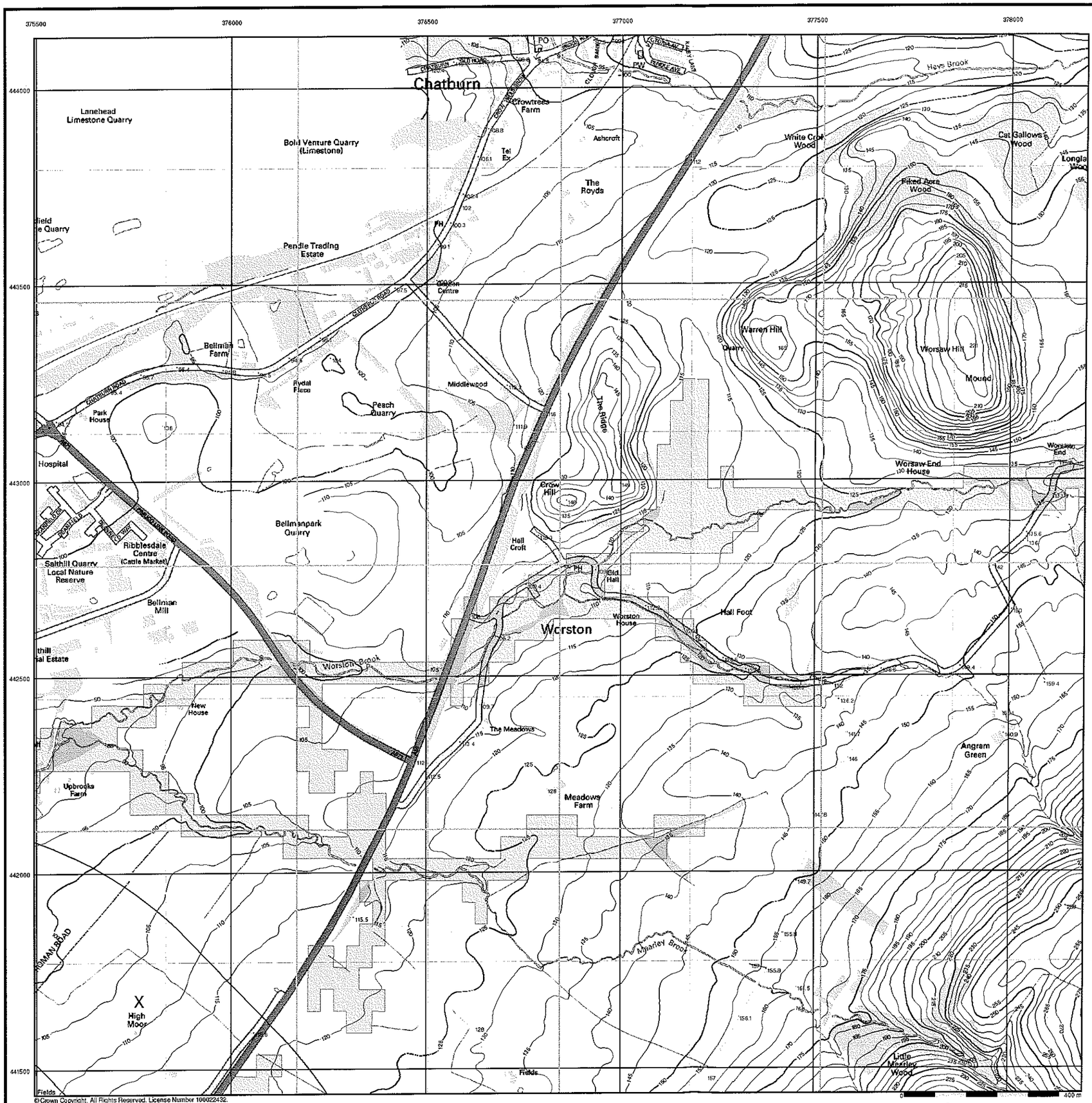

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RMS 100 year Return Flood Map (1:10,000)

General

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

RMS 100 year Return Flood Data

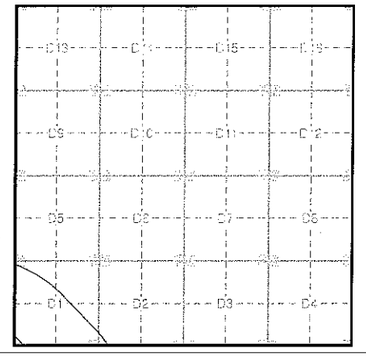
Flood Depth (mm)	Flood Type: Defended Flood	Flood Type: Undefended Flood	Pluvial & Minor River Flood (flood depth n/a)
0 - 200			
201 - 500			
501 - 2000			
2001 +			

Contours (height in metres)

Standard Contour — 105
Index Contour — 100, 95

167.3 Spot Height
45.8 Air Height

RMS 100 year Return Flood Map - Slice D



Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	375760, 441670
Slice:	D
Site Area (Ha):	51.39
Search Buffer (m):	1000

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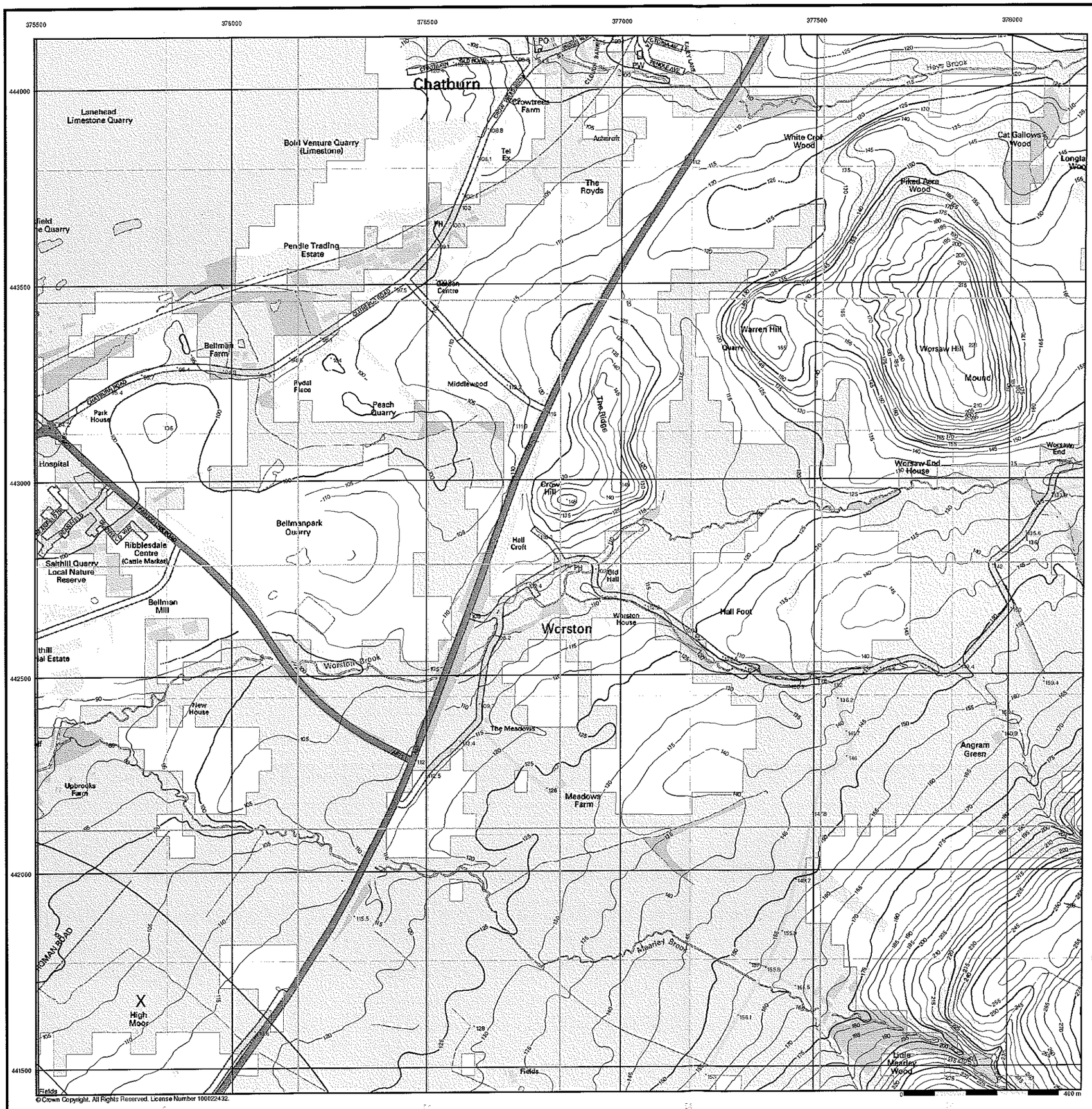


amec

RMS 1000 year Return Flood Map (1:10,000)

General

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

RMS 1000 year Return Flood Data

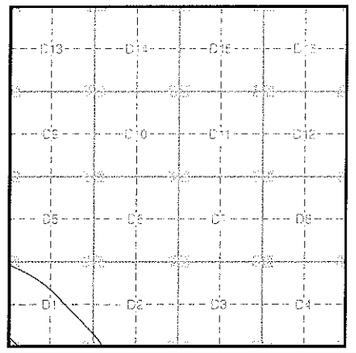
Flood Depth (mm)	Flood Type: Defended Flood	Flood Type: Undefended Flood	Pluvial & Minor River Flood (flood depth n/a)
0 - 200			
201 - 500			
501 - 2000			
2001 +			

Contours (height in metres)

Standard Contour — 105
Index Contour — 100, 95

167.3 Spot Height
45.8 Air Height

RMS 1000 year Return Flood Map - Slice D



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Site Area (Ha):	51.39
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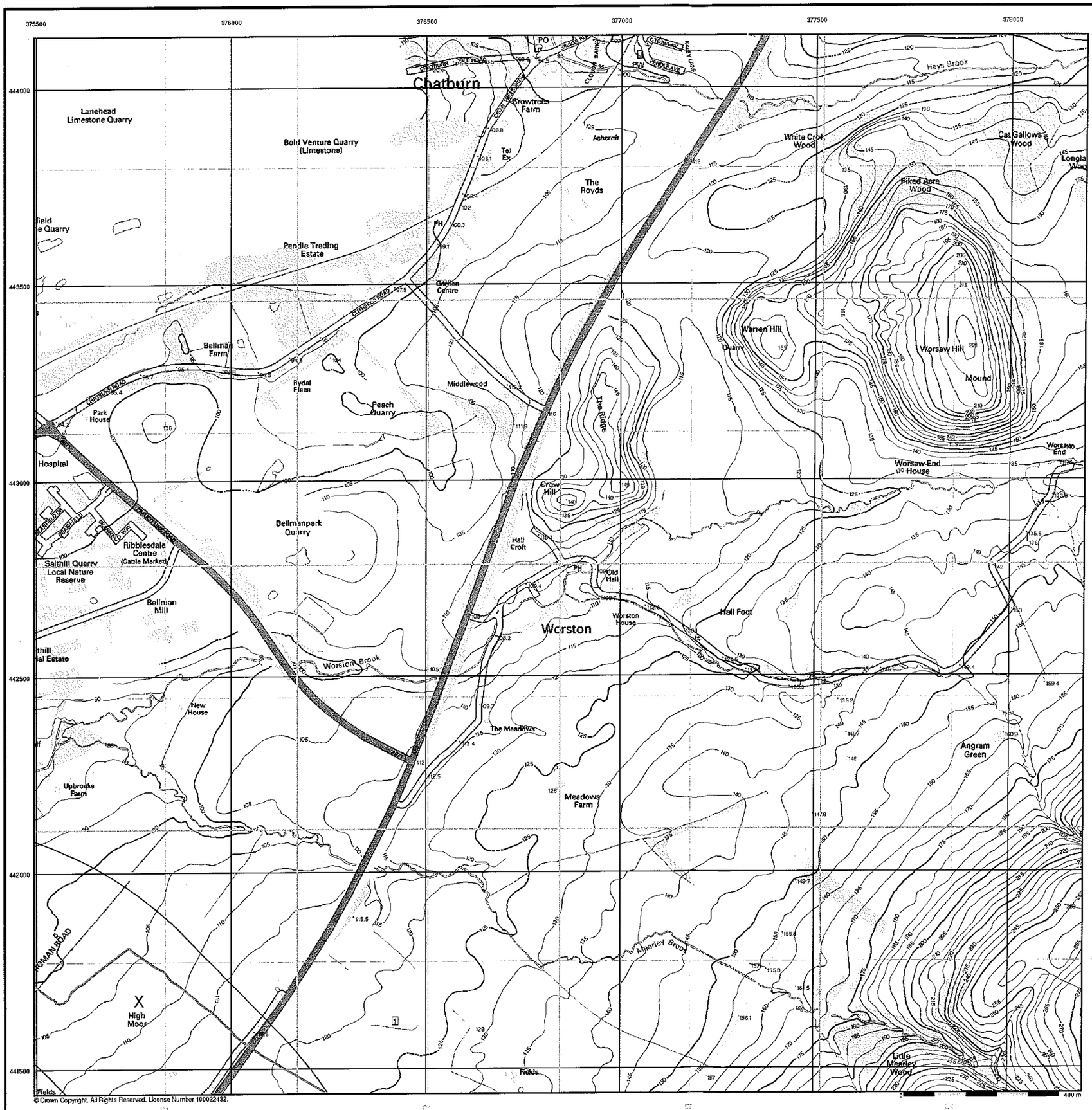


EA Detailed River Network Map (1:10,000)

General

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

EA Detailed River Network Data

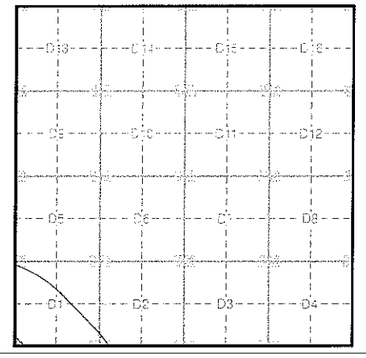
- Primary River
- Secondary River
- Tertiary River
- Canal
- Canal Tunnel
- Undefined River
- Lake/Reservoir
- Extended Culvert (greater than 50m)
- Underground River (inferred)
- Underground River (local knowledge)
- Downstream of High Water Mark
- Downstream of Seaward Extension
- Not assigned River feature
- Source
- Junction
- Sink
- Non-interactive Node
- Offline Drainage Feature
- Not assigned River feature
- Pseudo Node (general)
- Pseudo Node (High Water Mark)
- Pseudo Node (OS MasterMap polygon boundary)

Contours (height in metres)

Standard Contour — 105
Index Contour — 100, 95

167.3 Spot Height
45.8 Air Height

EA Detailed River Network Map - Slice D



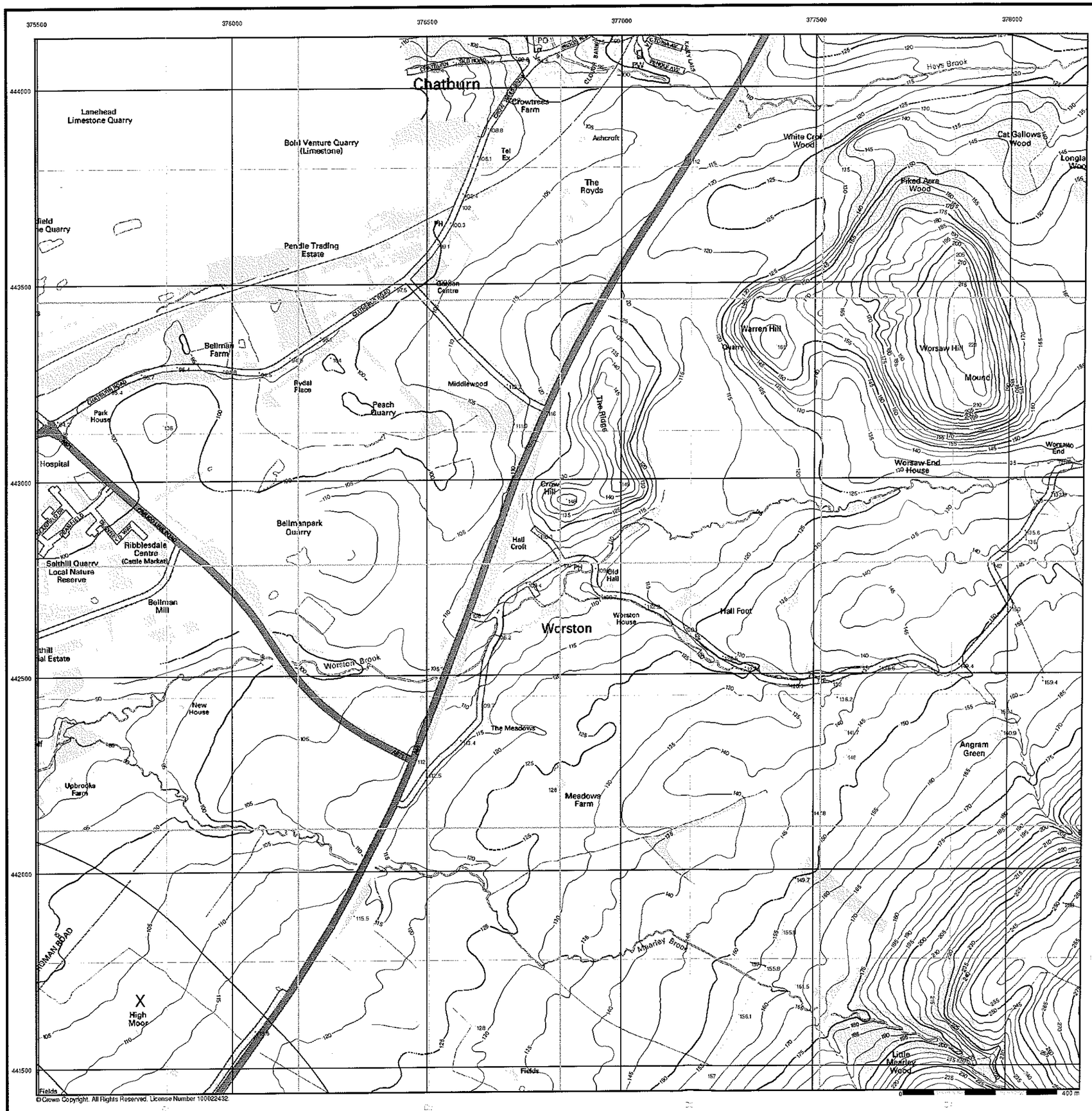
Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	375760, 441670
Slice:	D
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

Site at, Clitheroe, Lancashire

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



EA Historic Flood Map (1:10,000)

General

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

EA Historic Flood Events Data

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

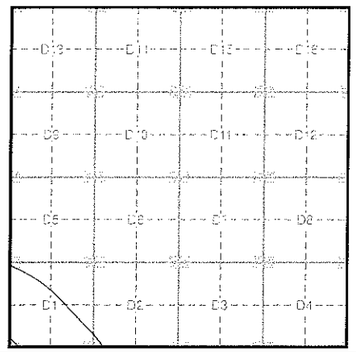
Contours (height in metres)

Standard Contour — 105 — Index Contour — 100 — 95

167 3 Spot Height

45 8 Air Height

EA Historic Flood Map - Slice D



Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	375760, 441670
Slice:	D
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

Site at, Clitheroe, Lancashire

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Tel: 0844 844 9952
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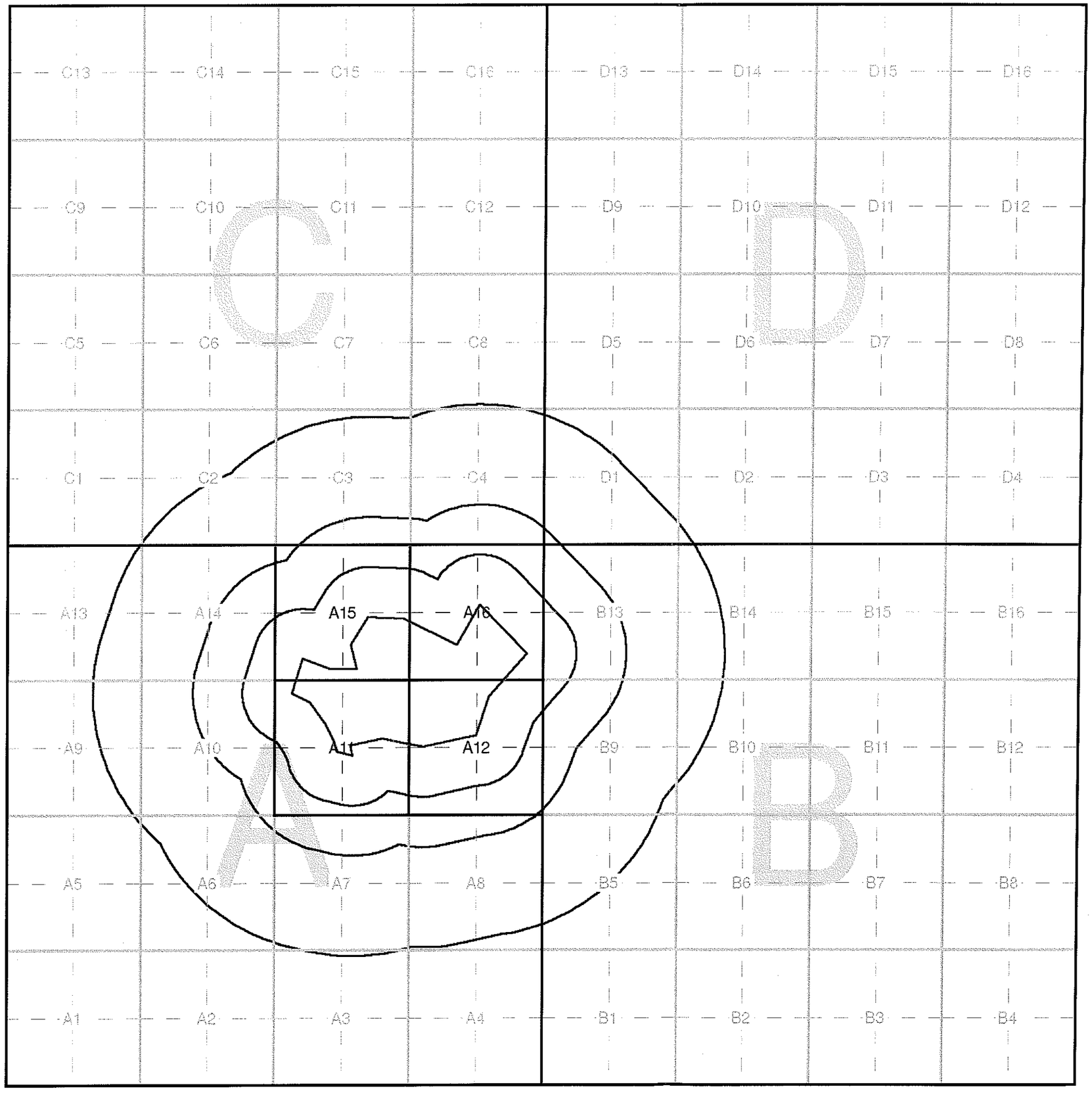

amec

Index Map

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

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

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

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

A selection of organisations who provide data within this report:

Ordnance Survey® Licensed Partner

British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

Environment Agency

NATURAL ENGLAND

Envirocheck reports are compiled from 136 different sources of data

Client Details

Mr R Breakspear, AMEC Environment & Infrastructure UK Limited, 155 Aztec West, Park Avenue, Almondsbury, Bristol, BS32 4UB

Order Details

Order Number:	38714560_1_1
Customer Ref:	29421-09-po244230
National Grid Reference:	374820, 440750
Site Area (Ha):	51.39
Search Buffer (m):	1000

Site Details

Site at, Clitheroe, Lancashire

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http://www landmarkinfo co uk/Terms/Show/430

Landmark® Information Group
Tel: 0844 844 9952
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