

EnviroSmart



Phase 1 Contaminated Land Assessment

Site address

Ferns Farm
Turton Road
Tottington
BL8 3QH

Date issued

March 2025

Report status

Final

Grid Reference

376800, 413740

Site Area

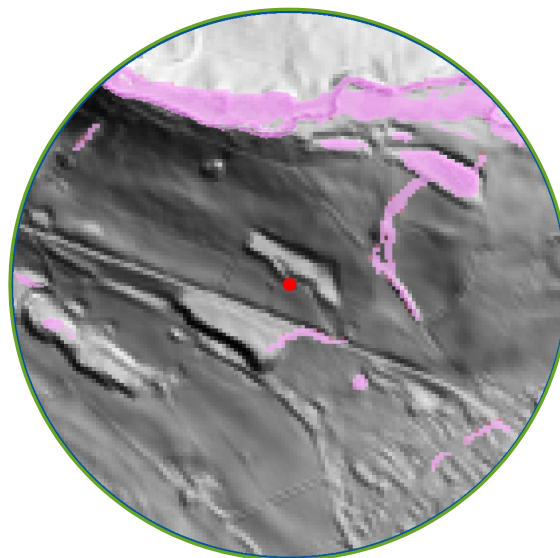
0.49 ha

Report prepared for

Julia Gaddes

Report reference

84704R1



Risk – Low to Moderate/Low

It is noted that whilst a limited intrusive site investigation (including appropriate laboratory testing of soil samples) could be adopted in order to validate the preliminary risk assessment conclusions, a watching brief during all proposed redevelopment activities and associated ground works (which would include a thorough inspection of any exposed sub surface soils/Made Ground) would likely be sufficient.

Given that the Site is mapped within or adjacent to a coal mining Development High Risk area, potential legacy coal mining risks should be considered further.

An asbestos demolition survey should be considered prior to redevelopment.

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Executive Summary



The purpose of this EnviroSmart report is to provide clear and pragmatic advice regarding the nature and potential significance of contaminated land hazards which may be present at the study site. GeoSmart are providing consultancy and professional opinion based upon our collation, interpretation and assessment of information contained within an Envirocheck report, and other sources where expressly stated (i.e. site visits, photographs, and anecdotal evidence). It is acknowledged that the risk assessment findings are based on documentary sources of information alone.

Site analysis

1. Probability/likelihood of a contaminant hazard at the Site	High likelihood	
	Likely	
	Low likelihood	
	Unlikely	
2. Potential severity/consequence of any impacts	Severe	
	Medium	
	Mild	
	Minor	
3. Overall land quality risks posed by the Site	Very high	
	High	
	Moderate	
	Moderate/low	
	Low	
	Very low	

Summary of existing and proposed development

The Site is currently used as a detached residential dwelling ("Ferns Farm") with associated driveway, landscaping and access. Several outbuildings and stables with an associated yard / paddock area are present in the west of the Site. Development proposals comprise the replacement of the on-Site dwelling plus associated modifications to driveway and landscaping areas. The existing outbuildings, stables and associated hard standing areas are not proposed to be modified as part of the development.

Environmental Setting

The underlying superficial geology largely consists of Devensian Till which is classified as a Secondary (undifferentiated) Aquifer; no superficial deposits are mapped beneath the south-eastern corner of the Site / access driveway. The bedrock geology beneath the southern c. 60% of the Site consists of Ousel Nest Grit (sandstone), with the remaining c. 40% of the Site underlain by the Pennine Lower Coal Measures Formation; both bedrock geologies are classified as a Secondary (A) Aquifer.

The nearest water feature is a pond, located c. 55 m south-east of the Site boundary. A tributary of the Kirklees Brook is noted c. 120 m north.

There are no environmentally sensitive land uses within 500 m of the Site.

Site History

The Site was developed prior to 1850, with a building (assumed residential) present in the east of the Site from this time. The construction and demolition of various outbuildings (likely associated with former farming activity and more recently, with horse stables) has been recorded at the Site from 1893 up until the early 2000s. Off-Site land uses include assorted quarries and pits, the closest of which was c. 10 m south (1850 to 1910); a colliery c. 320 m north-west (1850 to 1910); and plant nursery c. 100 m south-east (1974 to 2013).

Radon

The Site lies in an area where <1% of homes are at or above the UK radon action level (200 Bq/m3).

Coal Mining

The Site is located within / adjacent to a Mining Remediation Authority Development High Risk Area. Given the potential for worked coal seams beneath the Site, mine gas and ground stability/coal mining risk assessments should be considered as part of the redevelopment plans.

Summary of Conceptual Site Model (CSM)

Source of Contamination

- Limited potential for volatile organic contaminants to be present within the subsurface soils.
- Limited potential for elevated methane and carbon dioxide to be present within the sub-surface soils (including possible mine gases).

Receptors

Human Health.

Human Health (pathway)

- Ingress into water supply pipework and subsequent water ingestion.
- Lateral and vertical migration into on-Site buildings; potential to cause asphyxiation or an explosion.

Note: no significant contaminant linkages have been identified in regard to controlled waters receptors.

Preliminary Risk Assessment

Overall, the preliminary risk classification of the Site in relation to the proposed redevelopment is considered to be Low to Moderate/Low.

Recommendations / Next Steps

No immediate action but observe a watching brief

It is noted that whilst a limited intrusive site investigation (including appropriate laboratory testing of soil samples) could be adopted in order to validate the preliminary risk assessment conclusions, a watching brief during all proposed redevelopment activities and associated ground works (which would include a thorough inspection of any exposed sub surface soils/Made Ground) would likely be sufficient.

Coal Mining Risk

Given that the Site is located within an area which may be affected by former coal mining activity it is recommended that any risks posed to the Site by residual mine gases are considered further.

Asbestos demolition survey

Given the age of the existing built structures, it is recommended that an asbestos demolition survey is undertaken prior to the commencement of redevelopment activities.

1. Introduction



1.1 Background

The study site (from herein known as 'the Site') is situated at Ferns Farm in Turton Road, Tottington. A location plan of the Site is shown in Section 1.5. A proposed development plan of the Site is shown in Section 1.6.

GeoSmart was commissioned by Julia Gaddes in March 2025 to undertake a Phase 1 Land Quality Assessment for the Site. The report has been requested in order to support a planning application for the Site.

The proposed development is for the replacement of the existing dwelling with a new property, as well as associated modifications to the existing driveway and landscaping areas. The existing outbuildings, stables and associated hard standing areas are not proposed to be modified as part of the development. Following redevelopment, the Site will comprise c. 65% soft standing areas.

The EnviroSmart report has been undertaken by firstly compiling information concerning the Site and the surrounding area, including current and historical land uses, geological records and registered pollution incidents. The information which is gathered is then used to construct a 'conceptual site model', including an understanding of likely contaminant sources, pathways and receptors. Finally, a preliminary assessment of risks posed to identified receptors (i.e., people, buildings or the natural environment) from the anticipated land quality at the Site is performed. The risk assessment methodology is consistent with CIRIA C552 (2001); see Section 3.4 for details.

1.2 Purpose of this report

The purpose of this EnviroSmart report is to provide clear and pragmatic advice regarding the nature and potential significance of contamination hazards which may be present at the Site.

1.3 Report contents

This report is divided into two sections, as described below:

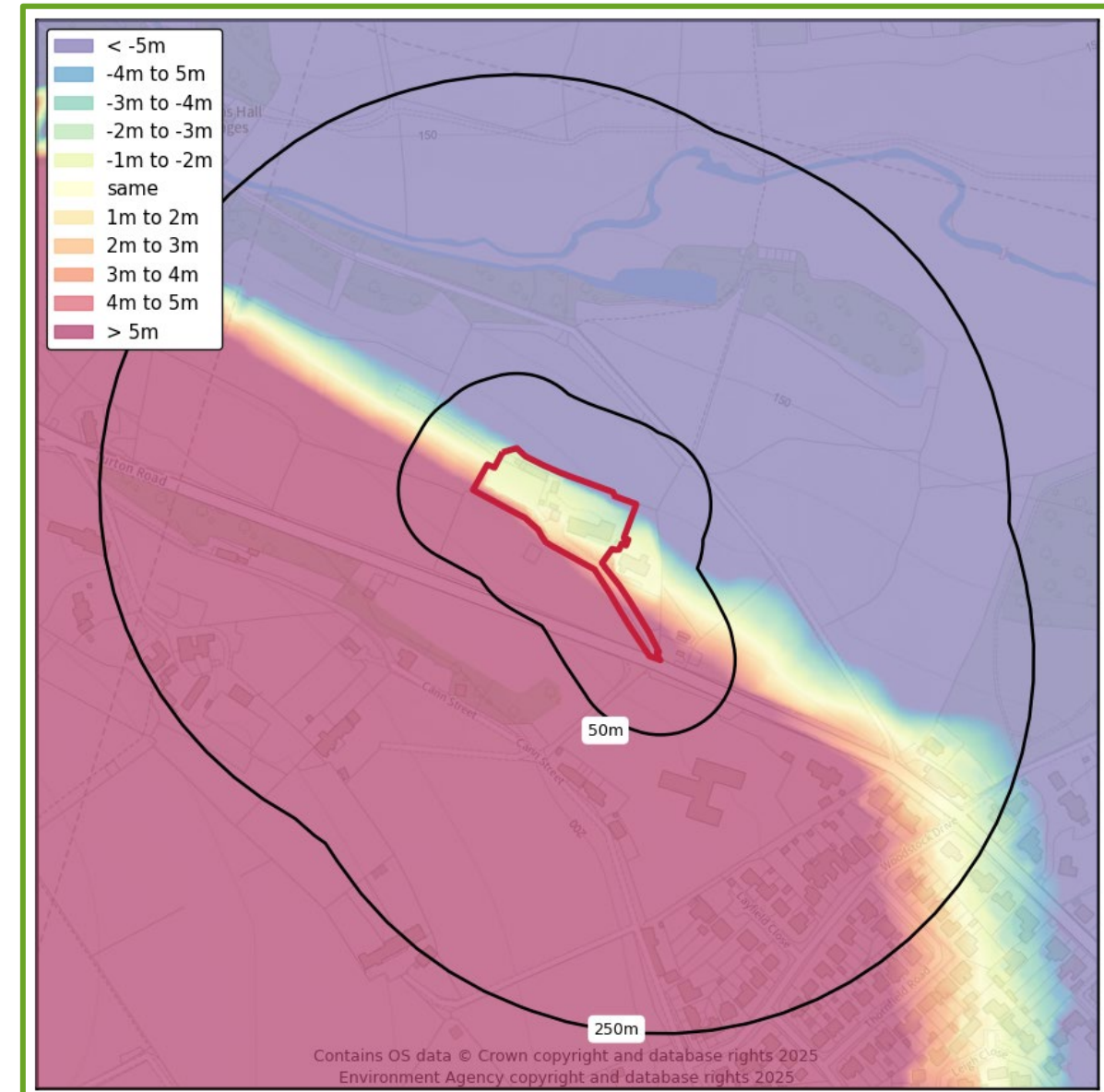
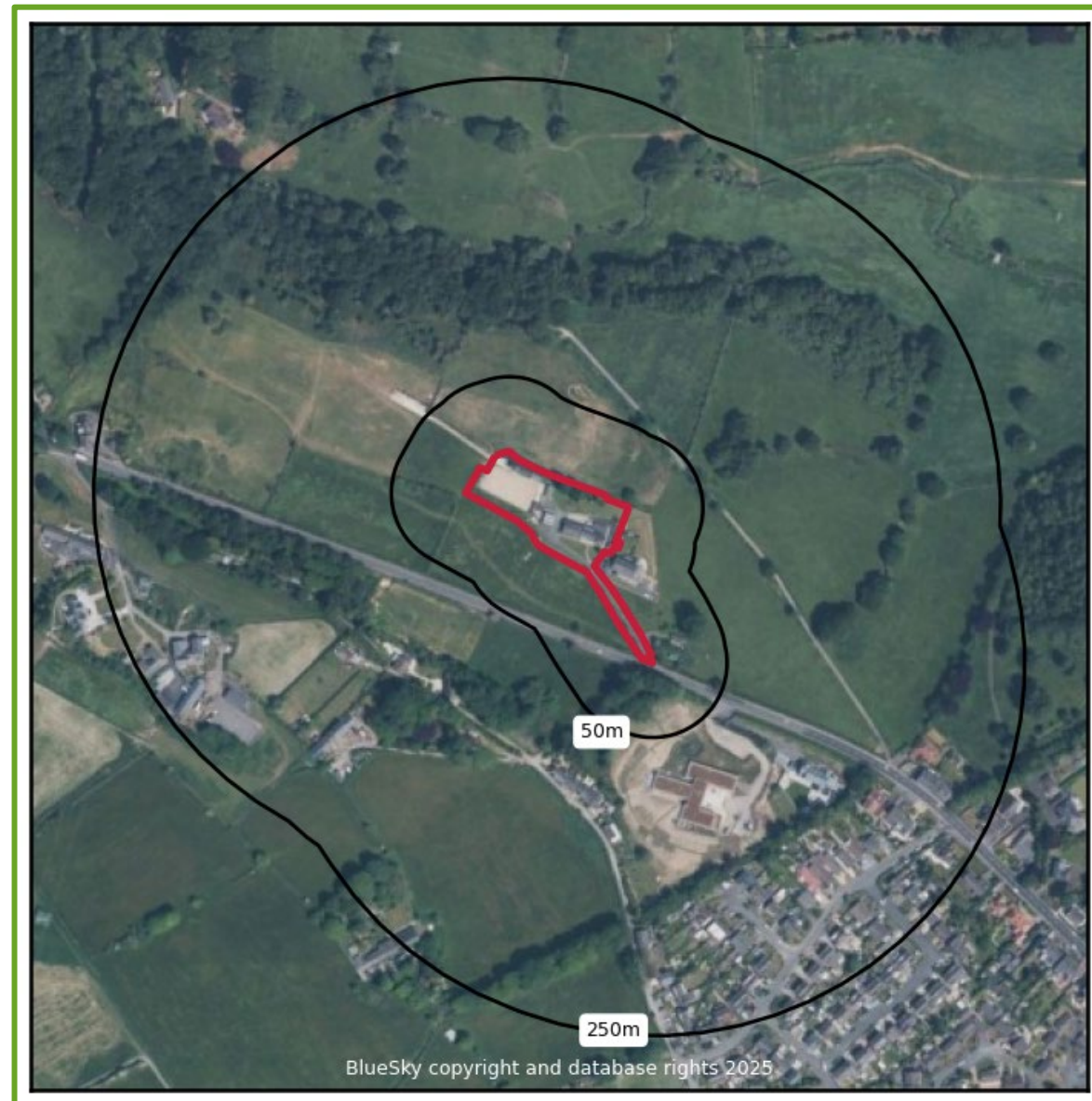
Section	Content	Purpose
Section 2: LAND QUALITY ASSESSMENT	A summary of the site history and environmental setting, the findings of the preliminary risk assessment and associated recommendations	To present a clear and concise overview of the land quality issues facing the Site, including recommendations of how to manage any land contamination which may be present
Section 3: SUPPORTING INFORMATION	A collection of site specific information on which the land quality assessment is based	To provide detailed information in support of the risk assessment; this section also represents a source of reference data for use in any subsequent site works/assessments

1.4 Report limitations

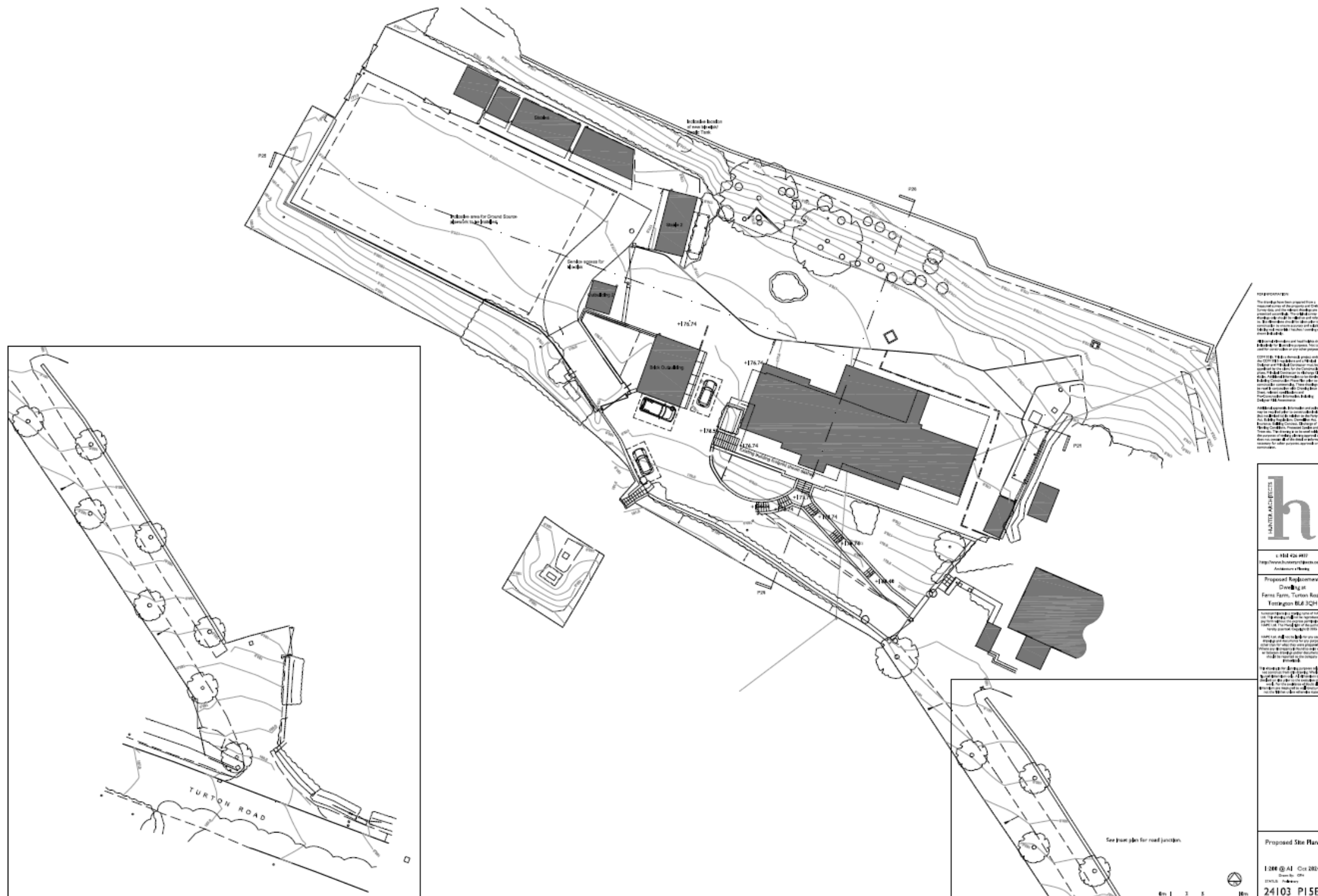
It is noted that the findings presented in this report are largely based on information supplied by third parties. Whilst we assume that all information is representative of past and present conditions we can offer no guarantee as to its validity.

This report excludes consideration of potential hazards arising from any activities at the Site other than normal use and occupancy for the intended land uses. Hazards associated with any other activities have not been assessed and must be subject to a specific risk assessment by the parties responsible for those activities.

1.5 Site location plan



1.6 Proposed Site development plan



2. Land quality assessment



2.1 Site details

Site name:	Ferns Farm	Current land cover:	Residential dwelling, outbuildings and stables (c. 10%) with driveway / hardstanding (c. 45%) and landscaping (c. 45%)
Current use:	Residential dwelling with stables		
Proposed use:	Residential dwelling with stables	Site area:	0.49 ha

2.2 Conceptual understanding (potential sources of contamination)

 Site history <i>(historical land use taken within 250m radius of the Site boundary)</i>	Date	Description of land use		POTENTIAL SOURCES OF CONTAMINATION	Source description	LOW LIKELIHOOD	PROBABILITY OF CONTAMINATION
		On-Site	Off-Site				
	1850	The Site is labelled as "Ferns". Development is noted in the east of the Site, although individual buildings cannot be identified at the resolution of the mapping. Access to the Site is provided to the east.	The area surrounding the Site primarily comprises agricultural land. Numerous sandstone quarries are recorded within the vicinity of the Site, the closest of which is c. 10 m south of the Site entrance (c. 60 m south of the proposed development area). Ferns Cotton Mill is recorded c. 160 m north of the Site, with associated reservoirs c. 140 m north and c. 160 m north-east. A colliery is c. 320 m north-west of the Site.		The land use history suggests that there is the potential for contamination to have occurred <u>on-Site</u> relating to the following: Agricultural land and stables - Bulk storage of fuels and/or miscellaneous chemicals. - Miscellaneous small scale fuel and chemical spills (i.e., fuels used for heating/agricultural machinery/other vehicles, oils and lubricants, herbicides/pesticides, fertilisers, paints/thinners, creosote, etc.). - Potential for localised/historical deposition of domestic/agricultural waste materials. <i>Note: there is no direct evidence, including topographic evidence, that any such waste disposal or infilling activities have taken place on the Site. Also, given the open nature of the wider site, it is considered unlikely that any significant wastes were deposited in close proximity to the existing structures.</i> - Made Ground associated with former development/demolition activities. - Animal effluent from the housing of horses within the on-Site stables. - Localised disposal of effluent wastes. <i>Continued overleaf</i>		
	1893-1894	A building (assumed residential) is present in the east of the Site (in the approximate location of the existing dwelling, although the configuration of the building is noted to be different). A track is noted in the location of the existing driveway, with an additional track extending along the southern Site boundary. Outbuildings are noted to the north and east of the dwelling.	Small amendments to the nearby quarries / pits are noted. Ferns Cotton Mill, c. 160 m north, is no longer mapped.				

2.2 Conceptual understanding (potential sources of contamination)

 Site history (historical land use taken within 250m radius of the Site boundary)	Date	Description of land use		POTENTIAL SOURCES OF CONTAMINATION	Source description	LOW LIKELIHOOD	PROBABILITY OF CONTAMINATION
	On-Site	Off-Site	The land use history suggests that there is the potential for contamination to have occurred <u>on-Site</u> relating to the following: Residential - Miscellaneous small-scale fuel or chemical spills relating to domestic land-uses (i.e. fuels used for garden machinery, herbicides, paints/creosote, detergents, etc.). - Potential for localised/historical deposition of residential waste materials (ash, litter, packaging, etc). - Made Ground/demolition waste materials associated with demolition of the residential buildings. The land use history suggests that there is the potential for contamination to have occurred <u>off-Site</u> relating to the following: Quarries / pits - Potential for former bulk storage of fuels and/or miscellaneous chemicals, including oils and lubricants. - Spillage or leakage of fuels and chemicals from bulk containers or during operation. - Potential for former infilling activities to have occurred. Any Made Ground/fill materials may contain a variety of inorganic and organic contaminants and could give rise to the generation of bulk gases and leachate. <i>Note: no specific evidence of any significant infilling activities has been identified within close proximity to the Site; however, given the widespread presence of excavations within the vicinity of the Site, some localised infilling may previously have occurred.</i> <i>Continued overleaf</i>				
	1910-1911	The dwelling has been extended to the west; an additional outbuilding has been constricted to the north of the dwelling.			The colliery and associated shaft, c. 320 m north-west, are no longer recorded. The quarry c. 10 m south is labelled as disused, with the nearest active quarry now being Brook Wife Pit, c. 90 m south of the Site entrance (c. 150 m south of the proposed development area).		
	1930-1931	Minor amendments to the outbuilding in the north of the Site are recorded.			No change.		
	1938-1956	No change.					
	1964	Minor amendments to the dwelling and outbuildings are recorded.			Amendments to the nearby quarries are noted. Brook Wife Pit, c. 90 m south, is no longer present.		
	1969	No change.			A pit c. 80 m north-west of the Site is no longer mapped (assumed infilled).		
	1974-1976	The outbuilding in the north is no longer present. The dwelling has been extended to the east and is now in the same arrangement as existing. The field boundaries within and immediately adjacent to the Site have been modified.			A plant nursery is recorded c. 100 m south-east of the Site (c. 180 m south-east of the proposed development area).		
1982	No change.	The reservoir c. 160 m north-east is no longer mapped.					
1992-1993		The former pit c. 100 m north-west is present on the mapping. <i>Note: the datasheet records presumed infilling at this location in 1982.</i> The former reservoir c. 160 m north-east is shown as marsh land.					

2.2 Conceptual understanding (potential sources of contamination)

 Site history <i>(historical land use taken within 250m radius of the Site boundary)</i>	Date	Description of land use		POTENTIAL SOURCES OF CONTAMINATION	Source description	LOW LIKELI-HOOD	PROBABILITY OF CONTAMINATION
	On-Site	Off-Site					
	1999	No change.	No change.				
	2000 (aerial imagery)	The Site comprises a dwelling with garden areas in the same arrangement as existing. An outbuilding is present in the centre of the Site, with a driveway present in the existing configuration.	The area surrounding the Site primarily comprises agricultural land, with occasional residential development. Minimal surface evidence associated with the historical quarries and pits can be identified.		The land use history suggests that there is the potential for contamination to have occurred <u>off-Site</u> relating to the following: Colliery with associated shafts - Potential for bulk storage of fuels and/or miscellaneous chemicals (i.e., fuels used for heating and powering machinery/vehicles, oils and lubricants etc.). - Potential for localised deposition of coal spoil/residues, boiler ash/coke and other industrial combustion wastes and by-products. - Mine gases associated with worked seams. Cotton mill - Potential for bulk storage of fuels and/or miscellaneous chemicals (i.e., fuels used for heating and powering machinery, oils and lubricants, or chemicals associated with cotton processing etc.). - Spillage of associated fuels, chemicals or waste products. - Leakage of effluent from washing fibres, yarn or fabric. Effluent could potentially contain pesticides. Plant nursery - Miscellaneous small scale fuel and chemical spills (i.e. fuel used for heating, oils and lubricants, herbicides/pesticides, fertilisers, etc.) - Bulk storage of fuels and/or miscellaneous chemicals.		
	2003 (aerial imagery)	Stables and an associated yard area are present in the west of the Site.	No change.				
	2005 (aerial imagery)	No change.					
	2013 (aerial imagery)	The stables and associated yard are in the west of the Site have been extended.	The plant nursery c. 100 m south-east appears to be no longer present.				
	2017 (aerial imagery)	No change.	No change.				
	2018 (aerial imagery)	One of the outbuildings in the centre of the Site has been extended.					
	2019 (aerial imagery)	No change.	Redevelopment of the former nursery Site and associated land has occurred c. 60 m south-east of the Site (c. 130 m south-east of the proposed development area).				
2020-2023 (aerial imagery)	No change.						

2.2 Conceptual understanding (potential sources of contamination)

 Current land use	The Site is currently used as a detached residential dwelling ("Ferns Farm") with associated driveway, landscaping and access. Several outbuildings and stables with associated yard / paddock areas are present in the west of the Site. There are no known buried storage tanks at the Site. An oil tank is understood to be present for the purposes of heating the existing dwelling.	POTENTIAL SOURCES OF CONTAMINATION	Given the Site's current use, there is potential for localised contamination relating to the following: - Bulk storage of fuels. - Miscellaneous small scale fuel and chemical spills (i.e., fuels used for heating, oils and lubricants, paints/thinners, creosote, etc.). - Animal wastes associated with the housing of horses within the on-Site stables.	UNLIKELY	PROBABILITY OF CONTAMINATION
 EA recorded pollution incidents <i>(see environmental data report in Section 3.3 for full listing)</i>	No Environment Agency pollution incidents have been recorded within 250 m of the Site.		No potential for gross contamination has been identified in relation to any pollution incidents occurring near to the Site.	NEGLIGIBLE	

2.2 Conceptual understanding (potential sources of contamination)

 Neighbouring industrial land uses (see environmental data report in Section 3.3 for full listing)	The following potentially contaminative land uses are located within 250 m of the Site:			POTENTIAL SOURCES OF CONTAMINATION	The potentially contaminative land uses/activities identified in close vicinity of the Site may pose a contamination hazard to the Site should relevant contaminant pathways exist. Contemporary trade directory entries include: - Contract Blinds & Flooring (blinds, awnings and canopies), c. 170 m west - inactive - K & K Auto Body Repairs (commercial vehicle bodybuilders and repairers), c. 195 m south-west - inactive - Clarity Plasma Specialists (cinema equipment), c. 200 m south-east - inactive - Alpha Batteries The Battery Man (battery manufacturers and supplies), c. 250 m south-east - inactive Records of licensed discharge consents include: - Permission to discharge treated effluent to the Tottingham Brook, c. 10 m east of the Site, was granted at Ferns Cottage in 1967 (two entries). - Mr I Fish was granted permission to discharge treated effluent to a tributary of the Kirklees Brook, c. 200 m south-east of the Site, in 1966. - Various landowners were granted permission to discharge treated effluent to the Kirklees Brook, c. 215 m south-east of the Site, in 1967 (three entries).	UNLIKELY	PROBABILITY OF CONTAMINATION
	Distance from Site	Number of active industrial land uses	Number of inactive industrial land uses				
	1 - 50 m	0	0				
	51 - 100m	0	0				
	101 - 250 m	0	4				
	Nr	Nearest distance	Land use / permitted activity / authorisation				
	0	NA	Fuel station entries				
	0	NA	Points of interest (commercial services / manufacturing & production)				
	0	NA	Underground electrical cables				
	0	NA	Control of major accident hazards sites (COMAH)				
	0	NA	Notification of installations handling hazardous substances (NIHHS)				
	0	NA	Explosives sites				
	0	NA	Planning hazardous substance consents				
	0	NA	Planning hazardous substance enforcements				
	0	NA	Sites determined as Contaminated Land under Part IIA of the Environmental Protection Act 1990				
	6	10 m E	Records of Licensed Discharge Consents.				
	0	NA	Integrated pollution prevention and control sites				
	0	NA	Local Authority pollution prevention and control sites				
	0	NA	Local Authority pollution prevention and control enforcements				
	0	NA	Records of Category 3 or 4 Radioactive Substance Licences				

2.2 Conceptual understanding (potential sources of contamination)

 Landfills / waste sites <i>(taken within 500m radius of the Site boundary, see environmental data report in Section 3.3 for full listing)</i>	There are no BGS recorded landfills located within 500 m of the Site. There are no Environment Agency listed historical landfills located within 500 m of the Site. There are no registered landfills located within 500 m of the Site. There are no Local Authority listed historical landfills located within 500 m of the Site. The following other waste sites are registered within 500 m of the Site: 0 Records of registered waste transfer sites. 0 Records of registered waste treatment or disposal sites. 0 Records of licenced waste management facilities. The following areas of potentially infilled land are recorded within 250 m of the Site: - Unknown filled ground (pit, quarry etc), classified as 'water', was recorded c. 150 m north-east of the Site in 1982. - Unknown filled ground (pit, quarry etc), classified as 'non-water', was recorded c. 100 m north-west of the Site in 1982.	POTENTIAL SOURCES OF CONTAMINATION	Given the absence of any historical or operational landfills within close proximity of the Site no associated contamination hazards have been identified. Given the absence of any waste treatment, transfer or disposal sites within close proximity of the Site no associated contamination hazards have been identified. The potentially infilled land identified within the vicinity of the Site is not considered to pose a significant contamination hazard to the Site, based on the following lines of evidence: - The old quarry identified c. 100 m NW was a very modest feature which even if it had been infilled is considered incapable of generating any meaningful ground gasses / gas pressures. - The former reservoir located c. 150 m NE was shown as a 'marsh' on land use mapping dating from 1993 and was subsequently shown as a vegetated area on aerial photography. As such, the original reservoir may simply have silted up and revegetated. Regardless, this feature is positioned some distance from the site, at a lower elevation, and is surrounded by Till deposits (assumed to be of low permeability).	UNLIKELY	PROBABILITY OF CONTAMINATION
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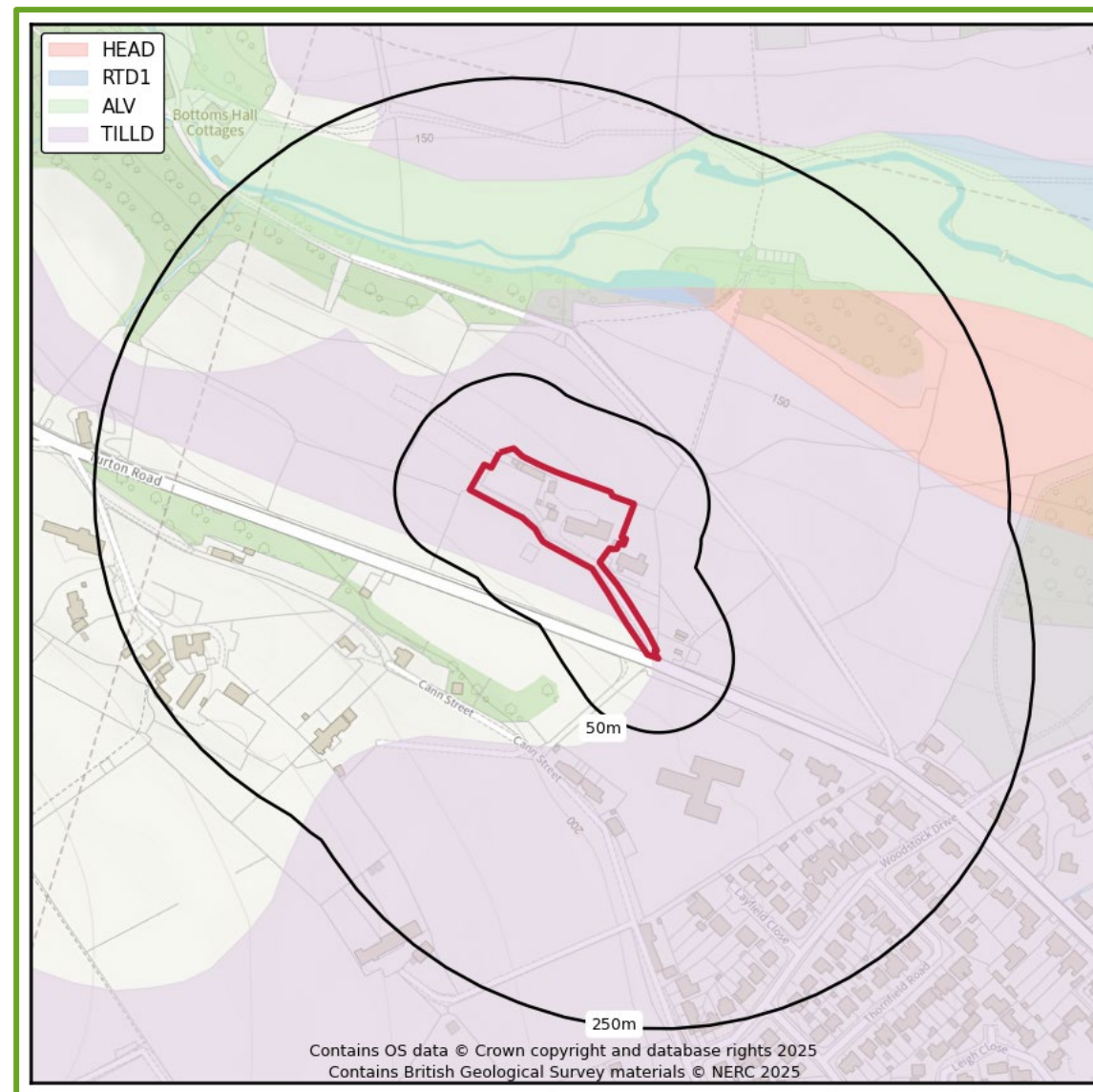
2.2 Conceptual understanding (potential sources of contamination)

Rn Radon <i>(see environmental data report in Section 3.3 for full listing)</i>	According to current UK radon mapping the Site lies in an area where <1% of homes are at or above the UK radon action level (200 Bq/m3).	POTENTIAL SOURCES OF CONTAMINATION	<1% of homes are at or above the UK radon action level (200 Bq/m3).	UNLIKELY	PROBABILITY OF CONTAMINATION
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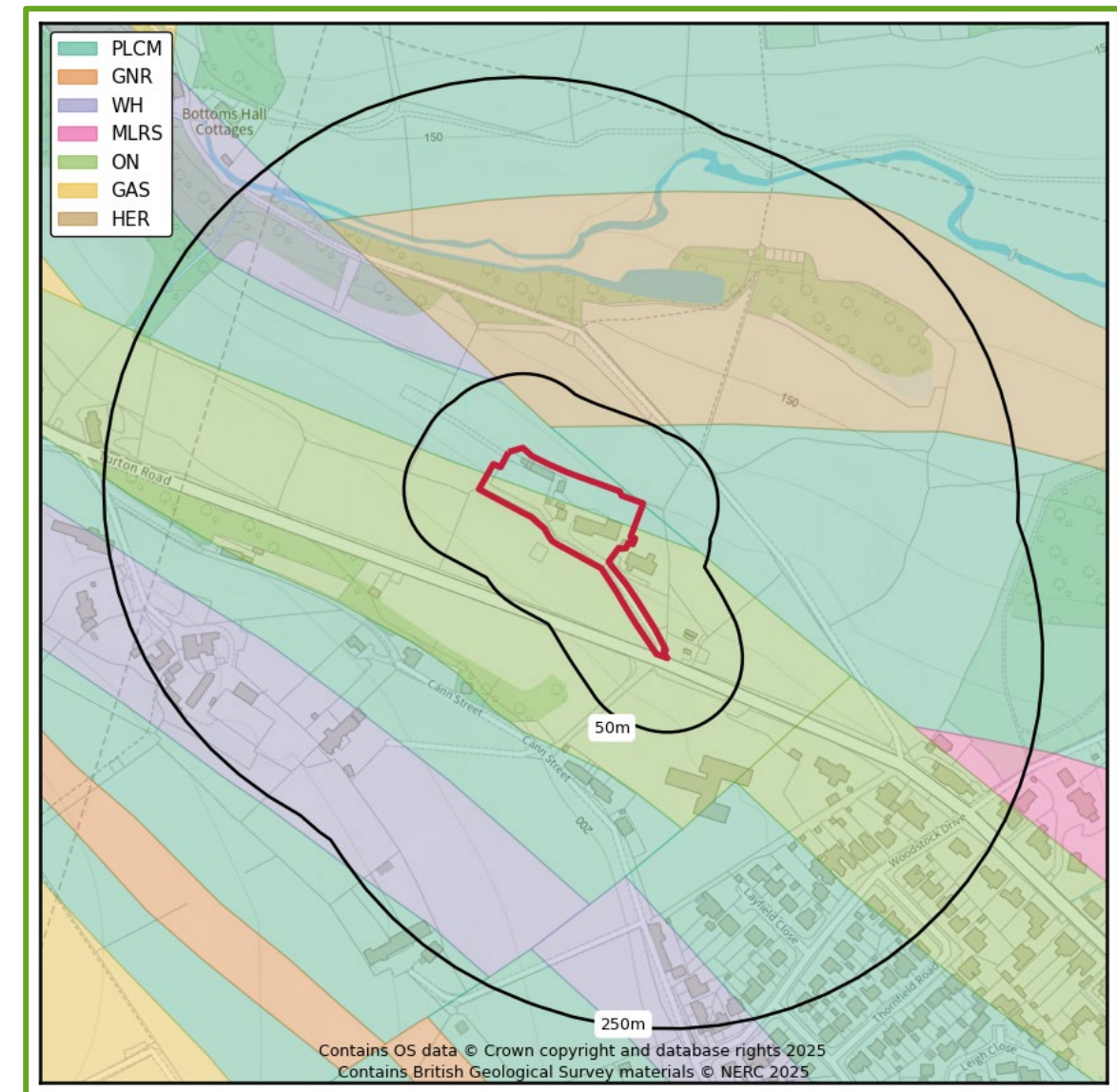
2.3 Conceptual understanding (environmental sensitivity / potential severity of impacts)

 Geology and Groundwater <i>(see the environmental data report in Section 3.3 for full details)</i>	British Geological Survey mapping indicates that the underlying superficial geology across c. 99.5% of the Site consists of Devensian Till (TILLD) which comprises of diamicton and is classified as a Secondary (undifferentiated) Aquifer. No superficial deposits are mapped beneath the Site entrance in the south-east of the Site (c. 0.5% of the Site area). British Geological Survey mapping indicates that the bedrock geology below the southern c. 60% of the Site consists of the Ousel Nest Grit (ON) which comprises of sandstone and is classified as a Secondary (A) Aquifer. The remaining c. 40% of the Site is underlain by bedrock consisting of the Pennine Lower Coal Measures Formation (PLCM) which comprises of mudstone, siltstone and sandstone and is also classified as a Secondary (A) Aquifer. According to the GeoSmart Groundwater Flood Risk (GW5) Map (GeoSmart, 2024). The risk of groundwater flooding at the Site is 'negligible'. The Site does not lie within a groundwater Source Protection Zone (SPZ). The following groundwater abstraction licences are held within 500 m of the Site: General use abstraction operated by Peter and Janet Hoyle / Mr Hutchinson, located c. 395 m south of the Site (two entries).	POTENTIAL RECEPTORS	A Secondary (Undifferentiated) Aquifer is assigned in cases where it has not been possible to attribute either category A or B to a rock type. In most cases, this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type. A Secondary (A) Aquifer comprises permeable layers capable of supporting water supply at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. Based on the susceptibility of the Site to groundwater flooding, a groundwater flood risk assessment is not considered necessary for the Site. The depth to groundwater beneath the Site is unknown. The presence of one or more groundwater abstraction licences within close proximity of the Site indicates a reasonable groundwater resource potential.	MEDIUM	POTENTIAL SEVERITY OF IMPACT
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Superficial Geology (BGS, 2025)



Bedrock Geology (BGS, 2025)



2.3 Conceptual understanding (environmental sensitivity / potential severity of impacts)

 Geohazards <i>(see the environmental data report in Section 3.3 for full details)</i>	The Site lies within an area of historical coal mining activity and lies within or adjacent to a 'Development High Risk Area', also known as 'CON29M Coal and Brine Consultation Area'. There are no brine affected areas within 75 m of the Site. The following are located within 500 m of the Site: - Cocker Hill, a former opencast mine where sandstone was extracted from the Ousel Nest Grit, is located c. 45 m south of the Site. - Raynard's Bank, a former opencast mine where sandstone was extracted from the Woodhead Hill Rock, is located c. 115 m north-west of the Site. - Ralph Moor, a former opencast mine where sandstone was extracted from the Woodhead Hill Rock, is located c. 205 m south-west of the Site. - New Barn, a former opencast mine where sandstone was extracted from the Woodhead Hill Rock, is located c. 285 m west-west of the Site. - Boltons Mill, a former opencast mine where sandstone was extracted from the Pennine Lower Coal Measures Formation, is located c. 285 m north-west of the Site. - Long House, a former opencast mine where sandstone was extracted from the Woodhead Hill Rock, is located c. 450 m west of the Site. - Mining instability (as a result of inconclusive coal mining) has been recorded in the vicinity of the Site. Artificial ground / Made Ground is anticipated on Site. The following natural hazards are present at or within 50 m of the Site: Landslides / slope stability problems	POTENTIAL RECEPTORS Given the potential for worked coal seams beneath the Site, mine gas and ground stability/coal mining risk assessments should be considered as part of the redevelopment plans. The Site does not lie within an area of former brine working and is therefore unlikely to be affected by related ground stability issues. Multiple mineral sites are recorded within the local area; however, none of the identified sites are located within the immediate vicinity of the Site. BGS GeoIndex Onshore mapping does not have any artificial deposits recorded at the Site. However, demolition has historically occurred on-Site, which could give rise to local Made Ground. The Site has ground stability hazards that should be considered further as part of the redevelopment plans.	MEDIUM	POTENTIAL SEVERITY OF IMPACT
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2.3 Conceptual understanding (environmental sensitivity / potential severity of impacts)

 Surface water <i>(see the environmental data report in Section 3.3 for full details)</i>	The nearest water feature is a pond located c. 55 m south-east of the Site boundary. A tributary of the Kirklees Brook is also located c. 120 m north of the Site. The Site lies within a Flood Zone 1 (low probability). There are no surface water abstraction licences within 250 m of the Site.	POTENTIAL RECEPTORS	The relatively close proximity of the identified surface water feature(s) suggests that a potential linkage could occur if any contamination were present on Site. Mobile contamination may potentially enter nearby water features via any shallow groundwater or possibly via preferential flow pathways such as buried services.	MILD	POTENTIAL SEVERITY OF IMPACT
 Environmental designations <i>(see the environmental data report in Section 3.3 for full details)</i>	There are no environmentally sensitive land uses within 500 m of the Site.		No relevant environmentally designated sites/receptors have been identified.	NEGLIGIBLE	
 Human receptors	Proposed residents/users of the Site plus neighbouring residences.		Human receptors are proposed to be present on Site.	SEVERE	

2.4 Regulator perspective

Consultation date	N/A	Bury Council
GeoSmart consultant	Annabel Elleray	Contaminated Land Officer
Consultation outcome	The Council declines to answer any queries relating to the Site other than through formal chargeable consultation.	

2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
On-Site sources								
1	Potential for inorganic and low volatility organic contaminants to be present within the subsurface soils	Dermal contact, ingestion & inhalation of soils & soil dust	HH	Future Site occupants	MEDIUM	UNLIKELY	LOW RISK	Whilst some inorganic and low volatility organic contamination may be associated with the presence of localised Made Ground, heating oil storage and the stable block located in the west of the Site, no significant contamination is considered likely to be present based on the known land use history.
2		Consumption of home grown produce	HH		MEDIUM	UNLIKELY	LOW RISK	
3		Ingress into water supply pipework and subsequent water ingestion	HH		MEDIUM	UNLIKELY	LOW RISK	
4		Building materials in direct contact with aggressive ground	PROP	Future Site buildings	MILD	UNLIKELY	VERY LOW RISK	Aggressive ground conditions are not anticipated to be present in the location of the proposed dwelling, although targeted investigation would be required to demonstrate this.
5		Dissolution into pore water/shallow groundwater and subsequent migration	CW	Devensian Till (a Secondary (undifferentiated) Aquifer)	MEDIUM	UNLIKELY	LOW RISK	Whilst some inorganic and low volatility organic contamination may be locally present on-Site, this is considered unlikely to be sufficient to appreciably impact the groundwater within the underlying superficial and bedrock aquifers. The risk classifications also reflect the modest sensitivity of the superficial Till, the pollution protection that the Till may offer to the underlying bedrock, and also the absence of any nearby SPZs or abstractions (within 250 m).
6		Dissolution into pore water/shallow groundwater and subsequent migration	CW	Ousel Nest Grit (a Secondary (A) Aquifer)	MEDIUM	UNLIKELY	LOW RISK	

2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
7	Potential for inorganic and low volatility organic contaminants to be present within the subsurface soils	Dissolution into pore water/shallow groundwater and subsequent lateral migration	CW	Pond (c. 55 m south-east)	MILD	UNLIKELY	VERY LOW RISK	Whilst some inorganic and low volatility organic contamination may be locally present on-Site, this is considered unlikely to be sufficient to appreciably impact the nearby pond or watercourse. The risks will be further constrained by the presence of Till deposits across the local area.
8		Dissolution into aqueous phase and preferential migration via drainage structures	CW		MILD	UNLIKELY	VERY LOW RISK	
9		Dissolution into pore water/shallow groundwater and subsequent lateral migration	CW	Tributary of the Kirklees Brook (c. 120 m north)	MILD	UNLIKELY	VERY LOW RISK	
10		Dissolution into aqueous phase and preferential migration via drainage structures	CW		MILD	UNLIKELY	VERY LOW RISK	
11	Potential for volatile organic contaminants to be present within the subsurface soils	Dermal contact, ingestion & inhalation of soils & soil dust	HH	Future Site occupants	MEDIUM	UNLIKELY	LOW RISK	Whilst some organic contamination may be associated with the presence of localised Made Ground, heating oil storage and the stable block located in the west of the Site, no significant contamination is considered likely to be present based on the known land use history.
12		Consumption of home grown produce	HH		MEDIUM	UNLIKELY	LOW RISK	
13		Ingress into water supply pipework and subsequent water ingestion	HH		MEDIUM	LOW LIKELIHOOD	MODERATE/LOW RISK	Given the potential for some localised organic contamination, it would be prudent to consider the use of barrier water supply pipework as a precaution.

2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
14	Potential for volatile organic contaminants to be present within the subsurface soils	Migration of vapours to surface; inhalation indoors	HH	Future Site occupants	MEDIUM	UNLIKELY	LOW RISK	A significant vapour phase source is considered unlikely based on the known land use history and current Site use.
15		Migration of vapours to surface; inhalation outdoors	HH		MEDIUM	UNLIKELY	LOW RISK	
16		Building materials in direct contact with aggressive ground	PROP	Future Site buildings	MILD	UNLIKELY	VERY LOW RISK	Aggressive ground conditions are not anticipated to be present in the location of the proposed dwelling.
17		Dissolution into pore water/shallow groundwater and subsequent migration	CW	Devensian Till (a Secondary (undifferentiated) Aquifer)	MEDIUM	UNLIKELY	LOW RISK	Whilst some organic contamination may be locally present on-Site, this is considered unlikely to be sufficient to appreciably impact the groundwater within the underlying superficial and bedrock aquifers. The risk classifications also reflect the modest sensitivity of the superficial Till, the pollution protection that the Till may offer to the underlying bedrock, and also the absence of any nearby SPZs or abstractions (within 250 m).
18		Dissolution into pore water/shallow groundwater and subsequent migration	CW	Ousel Nest Grit (a Secondary (A) Aquifer)	MEDIUM	UNLIKELY	LOW RISK	
19		Dissolution into pore water/shallow groundwater and subsequent migration	CW	Pond (c. 55 m south-east)	MILD	UNLIKELY	VERY LOW RISK	Whilst some organic contamination may be locally present on-Site, this is considered unlikely to be sufficient to appreciably impact the nearby pond or watercourse. The risks will be further constrained by the presence of Till deposits across the local area.
20		Dissolution into aqueous phase and preferential migration via drainage structures	CW		MILD	UNLIKELY	VERY LOW RISK	
21		Dissolution into pore water/shallow groundwater and subsequent migration	CW	Tributary of the Kirklees Brook (c. 120 m north)	MILD	UNLIKELY	VERY LOW RISK	
22		Dissolution into aqueous phase and preferential migration via drainage structures	CW		MILD	UNLIKELY	VERY LOW RISK	

2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
23	Potential for asbestos containing materials within the subsurface soils	Liberation of sub surface ACMs and inhalation of asbestos fibres	HH	Future Site occupants	MEDIUM	UNLIKELY	LOW RISK	A significant source of ACMs is considered unlikely based on the known land use history and current Site use.
24	Potential for dissolved phase contaminants to be present within shallow groundwater	Lateral and vertical groundwater movement via natural or artificial flow paths	CW	Devensian Till (a Secondary (undifferentiated) Aquifer)	MEDIUM	UNLIKELY	LOW RISK	A significant source of dissolved phase contamination is considered unlikely based on the known land use history, current Site use and local geological setting.
25		Lateral and vertical groundwater movement via natural or artificial flow paths	CW	Ousel Nest Grit (a Secondary (A) Aquifer)	MEDIUM	UNLIKELY	LOW RISK	
26		Lateral and vertical groundwater movement via natural or artificial flow paths	CW	Pond (c. 55 m south-east)	MILD	UNLIKELY	VERY LOW RISK	
27		Lateral and vertical groundwater movement via natural or artificial flow paths		Tributary of the Kirklees Brook (c. 120 m north)	MILD	UNLIKELY	VERY LOW RISK	
28	Potential for elevated methane to be present within the sub-surface soils	Lateral and vertical migration into on-Site buildings; potential to cause an explosion	HH	On-Site properties and their occupants	SEVERE	UNLIKELY	MODERATE/LOW RISK	Based on the prevailing conceptual understanding, an appreciable gas source associated with the shallow subsurface materials (including any Made Ground) is considered unlikely. It is acknowledged that the Site is located within or adjacent to a coal mining Development High Risk Area; as such there is potential for mine gases which could potentially impact future Site users.
29		Lateral migration towards off-Site buildings; potential to cause an explosion	HH	Off-Site properties and their occupants	SEVERE	UNLIKELY	MODERATE/LOW RISK	
30	Potential for elevated carbon dioxide to be present within the subsurface soils	Lateral and vertical migration into on-Site buildings; potential to cause asphyxiation	HH	Occupants of on-Site buildings	SEVERE	UNLIKELY	MODERATE/LOW RISK	
31		Lateral migration towards off-Site buildings; potential to cause asphyxiation	HH	Occupants of off-Site buildings	SEVERE	UNLIKELY	MODERATE/LOW RISK	
32	Potential for radon within the subsurface	Lateral migration towards on-Site buildings; potential to cause long term health effects	HH	Occupants of on-Site buildings	MEDIUM	UNLIKELY	LOW RISK	The Site lies in an area where <1% of homes are at or above the UK radon action level (200 Bq/m3).
OVERALL RISK RATING (<i>on-Site sources</i>)							LOW to MODERATE/LOW RISK	

2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
Off-Site sources - Quarries and pits, the closest of which was c. 10 m south (c. 50 m south of the proposed development area) (1850 to 1910)								
33	Potential for both inorganic and volatile organic contaminants to be present within the subsurface soils	Dermal contact, ingestion & inhalation of soils & soil dust	III	Future Site occupants	MEDIUM	UNLIKELY	LOW RISK	Whilst the nearby quarries and pits may have been associated with some source of land contamination, no appreciable contamination is considered likely to be present at the Site due to the time that has passed since quarry operations ceased (typically >100 years) and the apparent absence of any significant infill materials. The moderate distance between these sources and the proposed development area, plus the presence of superficial Till deposits, will also likely reduce the potential land quality risks posed to Site occupants.
34		Consumption of home grown produce	III		MEDIUM	UNLIKELY	LOW RISK	
35		Ingress into water supply pipework and subsequent water ingestion	III		MEDIUM	UNLIKELY	LOW RISK	
36		Migration of vapours to surface; inhalation indoors	III		MEDIUM	UNLIKELY	LOW RISK	
37		Migration of vapours to surface; inhalation outdoors	III		MEDIUM	UNLIKELY	LOW RISK	

2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
Off-Site sources - Colliery with associated shaft, c. 320 m north-west (1850 to 1910) - Cotton mill, c. 160 m north-east (1850 to 1893) - Plant nursery, c. 100 m south-east (1974 to 2013)								
38	Potential for both inorganic and volatile organic contaminants to be present within the subsurface soils	Dermal contact, ingestion & inhalation of soils & soil dust	III	Future Site occupants	MEDIUM	UNLIKELY	LOW RISK	Whilst the former colliery, cotton mill and plant nursery are likely to have been associated with some forms of contamination, given the reasonable distance between these features and the Site (>100 m), no appreciable migration of any contaminants onto the Site is considered likely. The risk classifications also reflect the time that has passed since the various operations ceased, the position of the land uses at a lower elevation than the Site (in the case of the colliery and cotton mill) and also the presence of Till deposits across the local area.
39		Consumption of home grown produce	III		MEDIUM	UNLIKELY	LOW RISK	
40		Ingress into water supply pipework and subsequent water ingestion	III		MEDIUM	UNLIKELY	LOW RISK	
41		Migration of vapours to surface; inhalation indoors	III		MEDIUM	UNLIKELY	LOW RISK	
42		Migration of vapours to surface; inhalation outdoors	III		MEDIUM	UNLIKELY	LOW RISK	
	OVERALL RISK RATING (<i>off-Site sources</i>)						LOW RISK	

2.6 Next Steps

✓	No immediate action but observe a watching brief		Given the known history of the Site it is considered unlikely that significant contamination is present within the sub-surface. The preliminary risk assessment suggests that the risks posed by in situ land quality are therefore likely to be low to low/moderate. It is noted that whilst a limited intrusive site investigation (including appropriate laboratory testing of soil samples) could be adopted in order to validate the preliminary risk assessment conclusions, a watching brief during all proposed redevelopment activities and associated ground works (which would include a thorough inspection of any exposed sub surface soils/Made Ground) will likely be sufficient. The watching brief should be maintained throughout the entire development phase of works and any possible evidence of contamination encountered during the redevelopment works should be alerted to the Local Authority. Appropriate actions would then be required to further inspect, sample and analyse any suspect materials, and formulate an appropriate remediation plan, as necessary.
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2.7 Other recommendations

✓	Coal Mining Risk		Given that the Site is located within an area which may be affected by coal mining activity it is recommended that any risks posed to the Site by residual mine gases are considered further.
✓	Asbestos demolition survey		Given the age of the existing built structures, it is recommended that an asbestos demolition survey is undertaken prior to the commencement of redevelopment activities.

3. Supporting Information



The following supporting information is contained in this section:

Section	Content
3.1	Referenced materials used in the EnviroSmart reporting
3.2	Site photographs
3.3	Published environmental data records (Landmark Envirocheck report Ferns Farm, Tutton Road, Tottington, BL8 3QH. REF: 372334688_1_1) including: • Aerial photographs and site map • Environmental permits, incidents and registers • Landfill and other waste sites • Current land use information • Geology • Hydrogeology and hydrology • Flooding • Designated environmentally sensitive sites • Other environmental factors
3.4	Risk assessment methodology
3.5	Historical land use maps

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Salisbury

Wiltshire SP1 2BP

Tel: 01722 333306

Fax: 01722 332296

Email: admin@tpos.co.uk

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- Provide a final response, in writing, at the latest within 40 working days of receipt.
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We will co-operate fully with the Ombudsman during an investigation and comply with his final decision. Complaints should be sent to:

Liz Lloyd
Financial Manager
GeoSmart Information Limited
Suite 9-11, 1st Floor
Old Bank Buildings, Bellstone
Shrewsbury
SY1 1HU

Tel: 01743 298100
lizlloyd@geosmartinfo.co.uk

3.1 References

The following references were used to inform the conceptual site model and preliminary risk assessment:

British Geological Survey, 2025. GeoIndex Onshore (<http://mapapps2.bgs.ac.uk/geoindex/home.html>)

British Standards Institute, 2011. Investigation of potentially contaminated sites – code of practice. BS10175:2011+A2:2017.

CIRIA, 2001. Contaminated land risk assessment. A guide to good practice. Publication C552. CIRIA London. ISBN 0-86017-552 9

Environment Agency, 2023. Land Contamination Risk Management (LCRM)

GeoSmart Information Limited, 2025. National Groundwater Flood Risk Map (GW5)

Health Protection Agency, 2000. Spring 2000 Newsletter featuring; Radon: Guidance on Protective Measures for New Dwellings (BR 211).

Landmark, 2025. Landmark Envirocheck report Ferns Farm, Tutton Road, Tottington, BL8 3QH. REF: 372334688_1_1

3.2 Site photographs

Photograph 1: driveway situated to the south of the existing dwelling (facing east)



Photograph 2: front of the existing dwelling (facing west)



3.2 Site photographs

Photograph 3: entrance to the Site from the public highway (facing north-west)



Photograph 4: driveway and outbuilding to the west of the main dwelling (facing north)



3.2 Site photographs

Photograph 5: land to the front of the existing dwelling, along the northern Site boundary (facing west)



Photograph 6: paddock to the west of the outbuildings, with the stables visible to the north (facing north-)



3.2 Site photographs

Photograph 7: rear of the existing dwelling (facing east)



Photograph 8: outbuilding (to the left) and stables in the western section of the Site (facing south-west)



3.2 Site photographs

Photograph 9: northern Site boundary, with stables to the rear (facing west)



Photograph 10: stables in the west of the Site (facing north-west)



3.2 Site photographs

Photograph 11: outbuildings, stables and paddock in the west of the Site (facing south-east)



3.3 Environmental data report

Readily available environmental information relating to the Site and its surrounding area has been provided by Landmark.

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

372334688_1_1

Customer Reference:

84704

National Grid Reference:

376800, 413740

Slice:

A

Site Area (Ha):

0.49

Search Buffer (m):

1000

Site Details:

Ferns Farm
Turton Road
Tottington
BL8 3QH

Client Details:

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Shropshire
SY1 1HU

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	34
Hazardous Substances	-
Geological	36
Industrial Land Use	51
Sensitive Land Use	57
Data Currency	58
Data Suppliers	64
Useful Contacts	65

Introduction

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

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Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 4		6	4	10
Prosecutions	pg 8				1
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 9		Yes		
Pollution Incidents to Controlled Waters	pg 9			1	14
Historical Prosecutions					
Registered Radioactive Substances					
Substantiated Pollution Incident Register					
Water Abstractions	pg 11			2	15 (*13)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 19	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 19	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 19	Yes	n/a	n/a	n/a
Source Protection Zones					
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
OS Water Network Lines	pg 20		7	16	93
Water Framework Directive - Catchment	pg 32	Yes			
Water Framework Directive - Groundwater	pg 33	Yes			
Water Framework Directive - Surface Waters					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 34				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 34				1
Local Authority Landfill Coverage	pg 34	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 34		1	3	11
Potentially Infilled Land (Water)	pg 35		1	1	8
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 36	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 36	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 47		3	3	2
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 48	Yes	n/a	n/a	n/a
Mining Instability	pg 48	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 48	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 48		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 49	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 49	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 49	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 51		4	3	25
Fuel Station Entries					
Points of Interest - Commercial Services	pg 53				1
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 53				8
Points of Interest - Public Infrastructure	pg 54		2	5	11
Points of Interest - Recreational and Environmental	pg 56				2
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt	pg 57	1			
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	0	1	376799 413750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	0	1	376750 413800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	0	1	376799 413740
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	60	1	376800 413850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	67	1	376799 413600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	78	1	376850 413850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	92	1	376799 413900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	93	1	376750 413900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (N)	102	1	376800 413900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	102	1	376650 413850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	114	1	376950 413750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	118	1	376950 413800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (N)	143	1	376750 413950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	164	1	377000 413750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	192	1	376799 414000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	193	1	376750 414000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	197	1	376800 414000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	201	1	377050 413740
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	206	1	376600 413950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	214	1	376850 414000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	218	1	376650 414000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	223	1	376650 413550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	242	1	376799 414050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	243	1	377000 413950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (NW)	245	1	376600 414000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	256	1	376950 414000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	260	1	376850 414050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	261	1	377100 413750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	276	1	376550 414000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	282	1	377000 414000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	286	1	376750 413400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	286	1	376600 414050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	298	1	377100 413500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (NW)	315	1	376550 414050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (SE)	320	1	377150 413550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	321	1	376799 413350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	324	1	377000 414050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	329	1	376600 413450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (SE)	341	1	377150 413500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (NW)	355	1	376550 414100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	357	1	377200 413750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (SE)	367	1	377200 413550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	373	1	377050 413350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14SW (SE)	385	1	377200 413500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	385	1	377100 414050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SW (NW)	385	1	376500 414100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (NW)	398	1	376550 414150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	402	1	377100 413350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	403	1	377250 413600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	413	1	377000 414150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	414	1	376350 413950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A17SE (NW)	418	1	376450 414100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	422	1	376400 414050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	428	1	376950 413250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	442	1	377100 413300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	453	1	377300 413600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	455	1	377300 413750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	455	1	376650 414250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A19SW (NE)	455	1	377150 414100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	467	1	376800 413200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	477	1	376950 413200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A19SW (NE)	491	1	377200 414100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A19SW (NE)	493	1	377150 414150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	496	1	376700 414300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	499	1	377350 413740
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14NW (NE)	500	1	377250 414050

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Trevor And Charmaine Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Ferns Cottage Turton Rd, Tottington, Bury, Lancashire, BL8 3qh Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0167/577 Permit Version: 1 Effective Date: 28th June 1967 Issued Date: 28th June 1967 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tottingham Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A13SE (E)	9	2	376829 413732
1	Discharge Consents Operator: T B & P M O'Shea Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Ferns Cottage Turton Rd, Tottington, Bury, Lancashire, BL8 3qh Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0167/577 Permit Version: 1 Effective Date: 28th June 1967 Issued Date: 28th June 1967 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tottingham Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A13SE (E)	9	2	376829 413732
2	Discharge Consents Operator: Mr I Fish Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 310 & 316 Turton Road, Tottington, Bury, Lancashire, BL8 3qa Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0166/217 Permit Version: 1 Effective Date: 11th March 1966 Issued Date: 11th March 1966 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Kirklees Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	199	2	377036 413589
2	Discharge Consents Operator: Mr I Fish Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 310 & 316 Turton Road, Tottington, Bury, Lancashire, BL8 3qa Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0167/482 Permit Version: 1 Effective Date: 13th February 1967 Issued Date: 13th February 1967 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Kirklees Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	215	2	377049 413579

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Louis Anderson & Anita Jane Ande Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 310 Turton Road, Tottington, Bury, Lancashire, BL8 3qa Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0167/478 Permit Version: 1 Effective Date: 13th February 1967 Issued Date: 13th February 1967 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Kirklees Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	215	2	377049 413579
2	Discharge Consents Operator: Marton Farmworth Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 310,314,316 & Red Roof Bungalow Turton Rd, Tottington, Bury, Lancashire, BL8 3qa Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0167/488 Permit Version: 1 Effective Date: 13th February 1967 Issued Date: 13th February 1967 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Kirklees Bk Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	215	2	377049 413579
3	Discharge Consents Operator: Badger Construction Ltd Property Type: CONSTRUCTION OF BUILDINGS Location: Badger Construction Development Swo Teddy Acre, Off Claybank Drive, Tottington, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991038 Permit Version: 1 Effective Date: 30th September 1985 Issued Date: Not Supplied Revocation Date: 1st July 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Kirklees Brook Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	305	2	377000 413400
4	Discharge Consents Operator: John Middleton Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 301 & 303 Turton Rd, Tottington, Bury, Lancashire, BL8 3qe Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 0170/1314 Permit Version: 1 Effective Date: 2nd November 1970 Issued Date: 2nd November 1970 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Kirklee Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A12NE (W)	368	2	376360 413800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: Raymond Cresswell Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 301 & 303 Turton Rd, Tottington, Bury, Lancashire, BL8 3qe Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0170/1314 Permit Version: 1 Effective Date: 2nd November 1970 Issued Date: 2nd November 1970 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Kirklee Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A12NE (W)	368	2	376360 413800
5	Discharge Consents Operator: Occupier Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: 311 Turton Road, Tottington, Bury, Lancashire, BL8 3qf Authority: Environment Agency, North West Region Catchment Area: Irwell Reference: 016992375 Permit Version: 1 Effective Date: 24th May 1978 Issued Date: 24th May 1978 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Kirklees Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A12NE (W)	450	2	376280 413820
6	Discharge Consents Operator: Mr S.G.N. Goddard Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: 313 Turton Rd, Tottington, Bury, Lancashire, BL8 3qf Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0167/667 Permit Version: 1 Effective Date: 27th October 1967 Issued Date: 27th October 1967 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Tottingham Bk Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A12NE (W)	520	2	376218 413884
7	Discharge Consents Operator: Mr & Mrs Halstead Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: Buckley Close Farm Turton Road, Tottington, Bury, Lancashire, BL8 3qf Authority: Environment Agency, North West Region Catchment Area: Irwell Reference: 01m/408 Permit Version: 1 Effective Date: 8th September 1960 Issued Date: 8th September 1960 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unknown Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A12NW (W)	705	2	376038 413924

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: 9 Turton Road Cso (Bry0138) Dungeon Inn, Turton Road, Tottington, Bury, Lancashire, B18 4aw Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprjb3890wt Permit Version: 1 Effective Date: 15th December 2023 Issued Date: 15th December 2023 Revocation Date: 30th December 2023 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Kirlees Brook Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	721	2	377437 413244
8	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: 9 Turton Road Cso (Bry0138) Dungeon Inn, Turton Road, Tottington, Bury, Lancashire, B18 4aw Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprjb3890wt Permit Version: 3 Effective Date: 31st December 2026 Issued Date: 15th December 2023 Revocation Date: 30th December 2029 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Kirlees Brook Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	721	2	377437 413244
8	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: 9 Turton Road Cso (Bry0138) Dungeon Inn, Turton Road, Tottington, Bury, Lancashire, B18 4aw Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprjb3890wt Permit Version: 4 Effective Date: 31st December 2029 Issued Date: 15th December 2023 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Kirlees Brook Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	721	2	377437 413244
8	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: 9 Turton Road Cso (Bry0138) Dungeon Inn, Turton Road, Tottington, Bury, Lancashire, B18 4aw Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprjb3890wt Permit Version: 2 Effective Date: 31st December 2023 Issued Date: 15th December 2023 Revocation Date: 30th December 2026 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Kirlees Brook Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	721	2	377437 413244

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Discharge Consents Operator: Greenmount Golf Club Ltd Property Type: SPORT, AMUSEMENT+RECREATION/GOLF CLUB/GYM/THEME PK/SPA Location: Greenmount Golf Club Ltd Greenhalgh Fold, Greenmount, Bury, Lancashire, BL8 4lh Authority: Environment Agency, North West Region Catchment Area: Irwell Reference: 0170/1230 Permit Version: 1 Effective Date: 10th April 1970 Issued Date: 10th April 1970 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Kirklees Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	784	2	377217 414456
10	Discharge Consents Operator: Mr Mark Andrew Whalley Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: 6 Whipney La, Greenmount, Bury, Lancashire, BL8 4ht Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0165/25 Permit Version: 1 Effective Date: 12th May 1965 Issued Date: 12th May 1965 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Kirklees Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	821	2	377199 414507
11	Discharge Consents Operator: David Irving Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Holcombe Villa Farm Turton Rd, Tottington, Bury, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991430 Permit Version: 1 Effective Date: 10th July 1989 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Coastal Trib For Da 68/69 Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	899	2	375900 414130
12	Discharge Consents Operator: Mr Diarmid Cochran Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 4 Residential Properties Two Brooks Lane, Hawkshaw, Bury, Lancashire Authority: Environment Agency, North West Region Catchment Area: Kirklees Brook Reference: 016993448 Permit Version: 1 Effective Date: 24th July 2002 Issued Date: 24th July 2002 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Kirklees Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A17NW (NW)	963	2	376090 414510
13	Prosecutions Location: 70 Market Street Bury Lancashire BL8 3lj Prosecution Text: Not Supplied Prosecution Act: Reservoirs Act 1975 22(1)(a) Hearing Date: 22nd September 2023 Verdict: Guilty Fine: 3000 Cost: Not Supplied Positional Accuracy: Automatically positioned to the address	A9SE (SE)	968	2	377550 412995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Nearest Surface Water Feature	A13SE (SE)	57	-	376879 413616
14	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Kirklees Brook; No Pollution Found Incident Date: 4th December 1995 Incident Reference: 95622907 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	294	2	377100 413900
15	Pollution Incidents to Controlled Waters Property Type: Pollution Found Source Not Determined Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Detergents/Surfactant Note: Tributary Kirklees Brk; Soap Suds Incident Date: 15th August 1995 Incident Reference: 95622098 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	521	2	377300 413400
16	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Water Treatment Works Location: Cow Slurry , Is Being Washed Into Stream Authority: Environment Agency, North West Region Pollutant: Not Given Note: Tributary Kirklees Brook; No Pollution Found Incident Date: 31st August 1997 Incident Reference: 97621589 Catchment Area: Irwell Receiving Water: Freshwater Stream/River Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	572	2	376200 414000
17	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Kirklees Brook; None Pollution Found Incident Date: 3rd June 1995 Incident Reference: 95621320 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	601	2	376400 414295
17	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Kirklees Brook Incident Date: 12th July 1995 Incident Reference: 95611723 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	605	2	376400 414300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	Pollution Incidents to Controlled Waters Property Type: Connection To Surface Drains Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Other Note: Tributary Kirklees Bk; Cross Connections Incident Date: 13th July 1994 Incident Reference: 94622267 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NE (E)	660	2	377500 413795
18	Pollution Incidents to Controlled Waters Property Type: Connection To Surface Drains Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Holly Mount Brook Incident Date: 16th July 1994 Incident Reference: 94621551 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NE (E)	661	2	377500 413800
19	Pollution Incidents to Controlled Waters Property Type: Water Treatment & Distribution: Other Location: Tottington Brook, Scholes Mill, Mill Street, Greater Manchester Authority: Environment Agency, North West Region Pollutant: Organic Chemicals : Red Gas Oil Note: Not Supplied Incident Date: 4th November 1999 Incident Reference: 33748 Catchment Area: Irwell Receiving Water: River Stretch (Freshwater) Cause of Incident: Containment Failure : Other Containment Failure Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	751	2	377600 413600
20	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected; None Pollution Found Incident Date: 30th September 1996 Incident Reference: 96622128 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	759	2	376000 413995
20	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: No Pollution Found; None Pollution Found Incident Date: 8th June 1996 Incident Reference: 96621854 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	760	2	376000 414000
21	Pollution Incidents to Controlled Waters Property Type: Connection To Surface Drains Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Other Note: Tributary River Irwell; Domestic Water Incident Date: 13th May 1991 Incident Reference: 91620720 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	766	2	377600 413500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	Pollution Incidents to Controlled Waters Property Type: Farm Drainage Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Organic Wastes: Cattle slurry Note: Tributary Kirklees Bk Incident Date: 3rd December 1994 Incident Reference: 94622652 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Leaking Tank Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	795	2	376000 414100
23	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Other Location: Greenmount Golf Club Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Sewage From Septic Tank Incident Date: 2nd March 1998 Incident Reference: SO980441 Catchment Area: Irwell Receiving Water: Freshwater Stream/River Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	865	2	377300 414500
24	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Other Note: Tributary Kirklees Bk Incident Date: 3rd April 1995 Incident Reference: 95620686 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Inadequate Construction Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SE (SE)	929	2	377500 413000
25	Pollution Incidents to Controlled Waters Property Type: Pollution Found Source Not Determined Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Kirklees Brook; Sewage Incident Date: 16th April 1996 Incident Reference: 96620781 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	950	2	377800 413600
26	Water Abstractions Operator: Peter & Janet Hoyle Licence Number: 2569001113 Permit Version: 101 Location: Well At Stormer Hill Closes Farm, Tottington, Nr Bury Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Stormer Hill Closes Farm, Tottington Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 3rd September 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NW (S)	397	2	376700 413300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	Water Abstractions Operator: Mr Hutchinson Licence Number: 2569001113 Permit Version: 100 Location: Well At Stormer Hill Closes Farm, Tottington, Nr Bury Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 5 Yearly Rate (m3): 1659 Details: Stormer Hill Closes Farm, Tottington Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8NW (S)	397	2	376700 413300
27	Water Abstractions Operator: Greenwood & Coope Limited Licence Number: 2569001009 Permit Version: 103 Location: Reservoir Fed By Unnamed Tributary Kirklees Brook Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Tottington, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd September 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14SE (E)	864	2	377700 413500
27	Water Abstractions Operator: Greenwood & Coope Limited Licence Number: 2569001009 Permit Version: 103 Location: Reservoir Fed By Unnamed Tributary Kirklees Brook Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Tottington, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd September 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14SE (E)	864	2	377700 413500
27	Water Abstractions Operator: Mr Thomas Leo Murphy Licence Number: 2569001009 Permit Version: 102 Location: Reservoir Fed By Unnamed Tributary Kirklees Brook Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Tottington, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 7th December 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14SE (E)	864	2	377700 413500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	Water Abstractions Operator: Mr Thomas Leo Murphy Licence Number: 2569001009 Permit Version: 102 Location: Reservoir Fed By Unnamed Tributary Kirklees Brook Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Tottington, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 7th December 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14SE (E)	864	2	377700 413500
27	Water Abstractions Operator: Site Electrical Ltd Licence Number: 2569001009 Permit Version: 101 Location: Reservoir Fed By Unnamed Tributary Kirklees Brook Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Tottington, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th October 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14SE (E)	864	2	377700 413500
27	Water Abstractions Operator: Site Electrical Ltd Licence Number: 2569001009 Permit Version: 101 Location: Reservoir Fed By Unnamed Tributary Kirklees Brook Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Tottington, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th October 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14SE (E)	864	2	377700 413500
27	Water Abstractions Operator: Site Electrical Ph Ltd Licence Number: 2569001009 Permit Version: 100 Location: Reservoir Fed By Unnamed Tributary Kirklees Brook, Tottington Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 136 Yearly Rate (m3): 27276 Details: Premises At Tottington, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th November 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14SE (E)	864	2	377700 413500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	Water Abstractions Operator: Site Electrical Ph Ltd Licence Number: 2569001009 Permit Version: 100 Location: Reservoir Fed By Unnamed Trib Of Kirklees Brk, Tottington Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Tottington, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th November 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SE (E)	864	2	377700 413500
28	Water Abstractions Operator: Joseph Scholes & Sons Ltd. Licence Number: 2569001010 Permit Version: Not Supplied Location: Tottington Near Bury, BURY Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Manufacturing Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 136 Yearly Rate (m3): 4091 Details: Additional Purpose - Boiler Feed Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14SE (E)	962	2	377800 413500
28	Water Abstractions Operator: Turnbull Prints Limited Licence Number: 2569001253/R02 Permit Version: 3 Location: Borehole At Edward Turnbull, Tottington, Bury Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 16th December 2020 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SW (E)	982	2	377820 413500
28	Water Abstractions Operator: Turnbull Prints Limited Licence Number: 25/69/001/253/R02 Permit Version: 1 Location: Borehole At Edward Turnbull, Tottington, Bury Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SW (E)	982	2	377820 413500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	Water Abstractions Operator: Turnbull Prints Limited Licence Number: 2569001253r02 Permit Version: 1 Location: Borehole At Edward Turnbull, Tottington, Bury Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SW (E)	982	2	377820 413500
28	Water Abstractions Operator: Edward Turnbull Ltd Licence Number: 2569001253r1 Permit Version: 1 Location: Borehole At Edward Turnbull, Tottington, Bury Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th February 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SW (E)	982	2	377820 413500
28	Water Abstractions Operator: Edward Turnbull Ltd Licence Number: 2569001253 Permit Version: 101 Location: Borehole At Stormer Hill, Tottington Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Stormer Hill, Tottington Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th December 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SW (E)	982	2	377820 413500
28	Water Abstractions Operator: Edward Turnbull & Co Ltd Licence Number: 2569001253 Permit Version: 100 Location: Borehole At Stormer Hill, Tottington Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 364 Yearly Rate (m3): 100000 Details: Land At Stormer Hill, Tottington Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 5th October 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SW (E)	982	2	377820 413500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: J Duxbury Licence Number: 2569001042 Permit Version: 100 Location: Spring At Higher Hall House (Holhouse) Farm, Greenmo Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 4 Yearly Rate (m3): 1327 Details: Higher Hall House (Holhouse) Farm Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23SE (N)	1145	2	377100 414900
	Water Abstractions Operator: Woodhey Dyeing Co Ltd Licence Number: 309 Permit Version: Not Supplied Location: Tottington Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Reservoir/Pond Daily Rate (m3): 30000 Yearly Rate (m3): 7500000 Details: Reservoirs (2) Fed By Surface Drainage Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SE (N)	1149	2	376400 414900
	Water Abstractions Operator: J Houghton Licence Number: 2569001019 Permit Version: 100 Location: Borehole At Isherwoods Farm, Walshaw Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 14 Yearly Rate (m3): 3410 Details: Isherwoods Farm, Walshaw Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A2NW (SW)	1304	2	376100 412600
	Water Abstractions Operator: Woodhey Dyeing Co Ltd Licence Number: 2569001149 Permit Version: Not Supplied Location: Tottington Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 136 Yearly Rate (m3): Not Supplied Details: Reservoirs (2) Fed By Surface Drainage Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23NW (N)	1416	2	376500 415200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Whitefield Systems (Holdings) Ltd Licence Number: 2569001152 Permit Version: Not Supplied Location: Kirklees Brook, TOTTINGTONBURY, Lancashire Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 3637 Yearly Rate (m3): 909200 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A10NE (SE)	1462	2	378200 413100
	Water Abstractions Operator: Woodhey Dyeing Company Ltd Licence Number: 2569001149 Permit Version: 100 Location: Unnamed Tributary Of Kirklees Brook At Hawkshaw Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 136 Yearly Rate (m3): 0 Details: Bleaklow Mill, Hawkshaw, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th December 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22NW (NW)	1538	2	376100 415200
	Water Abstractions Operator: J Calderbank Licence Number: 2569003037 Permit Version: 100 Location: Borehole At Hoyles Fold Farm, Harwood, Bolton, Lancs. Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 2 Yearly Rate (m3): 750 Details: Hoyles Fold And Castle Farms Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6SW (SW)	1593	2	375400 412900
	Water Abstractions Operator: Anthony Millward Rogers Licence Number: 2569001248 Permit Version: 100 Location: Borehole At Heights Barn, Four Lane Ends, Tottington Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 2 Yearly Rate (m3): 343 Details: Land & Premises At Heights Barn Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th September 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2SE (S)	1619	2	376260 412160

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: C Coxen Licence Number: 2569001041 Permit Version: 100 Location: Well At Tonge Fold Cottage, Melrose Farm, Hawkshaw Lane, Tot Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 1 Yearly Rate (m3): 500 Details: Melrose At Hawkshaw Lane, Tottington Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22NW (NW)	1632	2	375900 415200
	Water Abstractions Operator: E Joule & Sons Licence Number: 2569003068 Permit Version: 100 Location: Borehole At Premises, High Barn Farmharwood, Bolton Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 9 Yearly Rate (m3): 3319 Details: High Barn Farm At Harwood, Bolton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A2NW (SW)	1645	2	375800 412400
	Water Abstractions Operator: E Joule Licence Number: 2569003066 Permit Version: 100 Location: Borehole At Top-O'Th-Knotts Farm, Harwood Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 9 Yearly Rate (m3): 3319 Details: Top-O'Th-Knotts Farm At Harwood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th August 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1918	2	374900 413200
	Water Abstractions Operator: D F Marsden Licence Number: 2569001177 Permit Version: 100 Location: B/Hole , Old Holts Farmroading Brook Rd, Harwood, Bolton Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 5 Yearly Rate (m3): 1591 Details: Premises, Old Holts Farm, Harwood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th February 1969 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1978	2	376200 411800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Swish Products Limited Licence Number: 2569001004 Permit Version: Not Supplied Location: Reservoir Fed By Un-Named Tributary, Kirklees Brook, TOTTINGTON Authority: Environment Agency, North West Region Abstraction: Boiler Feed Abstraction Type: Not Supplied Source: River Daily Rate (m3): 5 Yearly Rate (m3): 1136 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A5SE (SE)	1992	2	378200 412200
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: Low	A13NE (E)	0	2	376799 413740
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: Low	A13SW (SW)	0	2	376786 413710
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (E)	0	3	376799 413740
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NE (E)	0	3	376799 413740
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 311.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A13NE (N)	119	4	376819 413916
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 561.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (N)	129	4	376786 413937
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 158.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A13NE (NE)	152	4	376890 413913
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	234	4	376592 413980
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 114.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	238	4	376551 413944
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	241	4	376574 413974
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	244	4	376580 413983
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 502.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	277	4	377043 413954
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	300	4	376544 414027

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	300	4	376544 414027
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 227.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	310	4	376530 414028
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 112.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (SE)	315	4	377120 413502
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SW (NW)	363	4	376519 414087
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 212.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (SE)	389	4	377223 413548
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 436.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SW (NW)	401	4	376498 414119
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SW (NW)	401	4	376498 414119
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SW (NW)	405	4	376492 414120
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (NW)	431	4	376333 413954

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (NW)	434	4	376330 413952
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 108.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (W)	447	4	376310 413938
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 118.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	475	4	377239 413391
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	494	4	376427 414181
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	500	4	376425 414188
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (W)	505	4	376230 413865
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 145.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	546	4	377202 414175
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	546	4	376399 414226
55	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 3.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (SE)	548	4	377341 413419

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 128.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (SE)	549	4	377350 413436
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	561	4	376384 414233
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	581	4	376943 413093
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 90.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	581	4	376870 413082
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	586	4	376334 414221
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	587	4	377215 414219
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	587	4	376854 413079
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	588	4	377217 414218
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	588	4	377219 414217

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 67.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	593	4	377264 414182
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 359.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	595	4	376343 414243
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 222.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (NE)	597	4	377352 414071
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 129.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	598	4	377311 414134
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	598	4	377312 414133
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	600	4	377319 414127
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (SE)	600	4	377418 413466
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (S)	603	4	376756 413071
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 106.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	610	4	377437 413875

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 482.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	620	4	377433 413937
75	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 9.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (SE)	623	4	377437 413450
76	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 6.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (SE)	623	4	377440 413459
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 375.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	625	4	377457 413839
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 178.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	625	4	376705 413059
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	625	4	376705 413059
80	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 14.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (SE)	628	4	377444 413455
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (SE)	642	4	377457 413448
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	642	4	377032 413051

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 196.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	642	4	376488 413123
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (SE)	644	4	377458 413446
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	645	4	377041 413050
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	649	4	377097 413065
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 288.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	652	4	377117 413071
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (SE)	659	4	377470 413436
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (SE)	663	4	377473 413434
90	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 17.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	681	4	377226 414328
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	688	4	377321 414258

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	690	4	377244 414326
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	690	4	377260 414315
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (NW)	691	4	376090 414044
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	692	4	376085 414035
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (SE)	698	4	377501 413409
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (SE)	705	4	377507 413403
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 94.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	706	4	377365 413181
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NE (SE)	710	4	377498 413371
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 134.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NE (SE)	715	4	377494 413351

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NE (SE)	720	4	377517 413391
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 120.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (NW)	724	4	376466 414472
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (NW)	724	4	376466 414472
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 110.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (NW)	749	4	376461 414497
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (NW)	749	4	376462 414497
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (SE)	750	4	377559 413417
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 304.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Black Brook Catchment Name: Mersey Primacy: 1	A9SW (SE)	753	4	377181 412989
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (SE)	755	4	377566 413418
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Black Brook Catchment Name: Mersey Primacy: 1	A9SW (SE)	762	4	377145 412964

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 424.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17NE (NW)	777	4	376369 414483
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 175.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	780	4	377610 413477
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17NE (NW)	782	4	376374 414492
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 344.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	787	4	376585 412927
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 333.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17NE (NW)	809	4	376367 414519
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 148.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (NE)	821	4	377223 414495
116	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 133.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (NE)	821	4	377223 414495
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 115.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	824	4	377401 414370
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 132.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	826	4	376193 413151

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	828	4	377415 414363
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	836	4	376279 413055
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (NE)	837	4	377342 414437
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	838	4	376263 413066
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 167.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	839	4	376263 413066
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (NE)	849	4	377341 414453
125	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	850	4	376454 414603
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 240.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (NE)	851	4	377341 414456
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 181.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	854	4	377122 412856

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 127.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (S)	854	4	377145 412864
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 127.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	855	4	376456 414609
130	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (S)	857	4	377128 412855
131	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 411.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	864	4	377114 414595
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	868	4	377121 414595
133	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	879	4	377729 413603
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 802.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	880	4	377730 413600
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 184.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	889	4	377244 412868
136	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SW (NW)	914	4	376026 414372

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
137	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	923	4	377420 412939
138	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Black Brook Catchment Name: Mersey Primacy: 1	A9SW (SE)	923	4	377420 412939
139	OS Water Network Lines Watercourse Form: Marsh Watercourse Length: 27.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SW (NW)	925	4	376033 414396
140	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 72.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17NW (NW)	949	4	376018 414416
141	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 350.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Black Brook Catchment Name: Mersey Primacy: 1	A9SE (SE)	957	4	377472 412936
142	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17NE (N)	957	4	376440 414712
143	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 285.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SW (W)	960	4	375832 414125
144	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 197.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17NE (N)	962	4	376437 414716
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Kirklees Brook WaterBody ID: GB112069064610 Operational Catchment: Croal Irwell Management: Irwell Catchment: Irwell Catchment Name: Irwell	A13NE (E)	0	2	376799 413740

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Framework Directive - Groundwater Waterbody Name: Northern Manchester Carboniferous Aquifers Waterbody ID: GB41202G101800 URL Address: https://environment.data.gov.uk/catchment-planning/WaterBody/GB41202G101800 Overall Rating: Poor Chemical Rating: Poor Quantitative Measure: Good Year: 2019	A13NE (E)	0	2	376799 413740

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
145	Historical Landfill Sites Licence Holder: Not Supplied Location: Tottington, Greater Manchester Name: Tom Nook Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15708 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: C109	A17SW (W)	954	2	375837 414121
146	Licensed Waste Management Facilities (Locations) Licence Number: 53463 Location: 10 Spring Vale Street, Tottington, Bury, Lancashire, BL8 3LR Operator Name: METCALFE DEMOLITION & SKIP HIRE LIMITED Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Expired Issued: 16th February 1999 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	986	2	377519 412940
	Local Authority Landfill Coverage Name: Bury Metropolitan Borough Council - Has not been able to supply Landfill data		0	5	376799 413740
147	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A13NW (NW)	100	-	376694 413890
148	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A13NW (NW)	275	-	376566 414011
149	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A18SW (NW)	384	-	376580 414151
150	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A12SE (SW)	421	-	376424 413488
151	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A18NE (N)	675	-	376803 414481
152	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A18NW (N)	692	-	376765 414500
153	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A7NW (SW)	774	-	376078 413361
154	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A7NE (SW)	789	-	376149 413244
155	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A12SW (W)	826	-	375907 413692

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
156	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A8SW (S)	833	-	376510 412907
157	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A7NE (SW)	836	-	376245 413084
158	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A8SW (S)	889	-	376548 412832
159	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A18NW (N)	920	-	376686 414725
160	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A18NE (N)	935	-	376915 414730
161	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1982	A18NW (N)	941	-	376546 414724
162	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A13NE (NE)	152	-	376912 413901
163	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1850	A13NW (NW)	332	-	376513 414043
164	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A18NE (N)	704	-	376987 414472
165	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14SE (SE)	776	-	377587 413414
166	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14SE (E)	818	-	377670 413652
167	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14SE (E)	860	-	377709 413732
168	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14NE (E)	880	-	377699 413945
169	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A9SW (SE)	892	-	377401 412963
170	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A18NW (N)	926	-	376729 414733
171	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A23SE (N)	983	-	376882 414783

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Lower Coal Measures Formation And South Wales Lower Coal Measures Formation (Undifferentiated)	A13NE (E)	0	1	376799 413740
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NE (N)	0	1	376804 413755
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NE (E)	0	1	376799 413740
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (S)	4	1	376791 413714
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SW (SW)	59	1	376752 413653
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (S)	61	1	376837 413608
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NW (N)	78	1	376741 413884

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13NW (N)	113	1	376773 413923
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (NW)	122	1	376715 413923
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (NW)	123	1	376702 413919
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (NW)	136	1	376650 413901
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (NW)	140	1	376687 413931
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (E)	148	1	377000 413740

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (SE)	150	1	377000 413642
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (SW)	162	1	376701 413583
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (SW)	163	1	376674 413609
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (S)	167	1	376799 413500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (N)	167	1	376752 413974
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (S)	177	1	376792 413500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (NW)	213	1	376539 413878
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13NE (NE)	228	1	377000 413929
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (SW)	233	1	376632 413546
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (SW)	233	1	376685 413500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (SW)	243	1	376600 413572
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (NE)	276	1	377000 413992

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (SW)	322	1	376567 413500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (NW)	330	1	376432 413924
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (SW)	396	1	376486 413460
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (SW)	396	1	376448 413500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (SW)	407	1	376513 413430
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (SW)	481	1	376337 413500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	544	1	376220 413977
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	557	1	376395 414237
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	593	1	376142 413867
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14NW (NE)	615	1	377407 414000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	617	1	376419 414327
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	623	1	376266 413362

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	640	1	376326 414287
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	667	1	376799 413000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	667	1	376840 413000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	680	1	376116 414077
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	720	1	376639 412976
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	731	1	376825 412937

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8SW (S)	741	1	376528 413000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7SE (SW)	777	1	376441 413000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8SE (S)	802	1	377000 412878
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A17SE (NW)	818	1	376138 414354
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A17SE (NW)	819	1	376134 414352
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12SW (W)	828	1	375949 413500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	837	1	375895 413867
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	839	1	376335 413000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	849	1	376183 413129
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (NW)	855	1	376275 414517
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A17NE (NW)	898	1	376260 414559
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	918	1	375997 413225

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SE (SE)	929	1	377500 413000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	930	1	376200 413000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 30 - 45 mg/kg Concentration:	A9NE (SE)	943	1	377616 413114
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	946	1	375783 413829
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SE (SE)	947	1	377526 413000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	953	1	376065 413095

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	962	1	375807 413500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A3NE (S)	974	1	377000 412704
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	978	1	375897 413263
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SE (SE)	981	1	377500 412930
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	985	1	376123 413000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	998	1	375832 413339

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A9SE (SE)	998	1	377593 412998
172	BGS Recorded Mineral Sites Site Name: Cocker Hill Location: Tottington, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96434 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Ousel Nest Grit Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SW (S)	47	1	376781 413683
173	BGS Recorded Mineral Sites Site Name: Raynard'S Bank Location: Tottington, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 98337 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woodhead Hill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	115	1	376691 413905
174	BGS Recorded Mineral Sites Site Name: Ralph Moor Location: Tottington, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96433 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woodhead Hill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	204	1	376581 413639
175	BGS Recorded Mineral Sites Site Name: New Barn Location: Tottington, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96432 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woodhead Hill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SE (W)	283	1	376451 413720
176	BGS Recorded Mineral Sites Site Name: Boltons Mill Location: Tottington, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96436 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	284	1	376606 414051

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
177	BGS Recorded Mineral Sites Site Name: Long House Location: Tottington, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96431 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woodhead Hill Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NE (W)	448	1	376283 413835
178	BGS Recorded Mineral Sites Site Name: Afferside Location: Tottington, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96430 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Great Arc Sandstone Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SW (W)	834	1	375897 413707
179	BGS Recorded Mineral Sites Site Name: Croichey Fold Gravel Pit Location: Hawkshaw, Ramsbottom, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96011 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A18NW (N)	924	1	376668 414727
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NE (E)	0	6	376799 413740
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NE (E)	0	-	376799 413740
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	376799 413740
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	108	1	376799 413915
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	376799 413740
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	108	1	376799 413915
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	376799 413740

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	376799 413740
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	376786 413710
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	376808 413760
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	62	1	376728 413864
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	120	1	376870 413887
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	152	1	376586 413725
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	168	1	376675 413609
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	171	1	376831 413961
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	187	1	376559 413860
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	376786 413710
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	376799 413740
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	62	1	376728 413864
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	108	1	376799 413915
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	224	1	376660 414011
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	376799 413740
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	376786 413710
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	62	1	376728 413864
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	135	1	376911 413883
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	168	1	376675 413609
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	187	1	376559 413860
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	244	1	376652 414029

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	376799 413740
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	376799 413740

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
180	Contemporary Trade Directory Entries Name: Contract Blinds & Flooring Location: The Stables Ralph Moor House, Turton Road, Tottington, Bury, Lancashire, BL8 3QE Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NW (W)	171	-	376557 413770
181	Contemporary Trade Directory Entries Name: K & K Auto Body Repairs Location: Clay Bank, Works Unit, Bury, Lancashire, BL8 3PG Classification: Commercial Vehicle Bodybuilders & Repairers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13SW (SW)	194	-	376631 413612
182	Contemporary Trade Directory Entries Name: Clarity Plasma Specialists Location: 316, Turton Road, Tottington, Bury, Lancashire, BL8 3QA Classification: Cinema Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	199	-	377036 413589
183	Contemporary Trade Directory Entries Name: Alpha Batteries The Battery Man Location: 258, Turton Road, Tottington, Bury, Lancashire, BL8 4AJ Classification: Battery Manufacturers & Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	250	-	377078 413559
184	Contemporary Trade Directory Entries Name: M B Engineering Location: 34, Thornfield Road, Tottington, Bury, Lancashire, BL8 4BX Classification: Mechanical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	274	-	376961 413415
184	Contemporary Trade Directory Entries Name: M B Engineering Location: 34, Thornfield Road, Tottington, Bury, Lancashire, BL8 4BX Classification: Mechanical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	274	-	376961 413415
185	Contemporary Trade Directory Entries Name: Keep It Kleen Location: 117, Turton Road, Tottington, Bury, Lancashire, BL8 4AQ Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	370	-	377147 413443
186	Contemporary Trade Directory Entries Name: Site Electrical Location: Stormer Hill, Mill Street, Tottington, Bury, Lancashire, BL8 4AT Classification: Pumps - Sales, Servicing & Repairs Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14SE (E)	635	-	377467 413504
187	Contemporary Trade Directory Entries Name: Associated General Maintenance Ltd Location: 15, Brookside Crescent, Greenmount, Bury, Lancashire, BL8 4BG Classification: Sheet Metal Work Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	643	-	377447 413971
188	Contemporary Trade Directory Entries Name: Holcombe Gin Ltd Location: 73, HARWOOD ROAD, TOTTINGTON, BL8 4AF Classification: Distilleries Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	681	-	377262 413123
189	Contemporary Trade Directory Entries Name: Domestic Response Location: 41-43, Harwood Road, Tottington, Bury, Lancashire, BL8 4AF Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	691	-	377329 413165

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
190	Contemporary Trade Directory Entries Name: Metrabadge Ltd Location: 2, Harwood Road, Tottington, Bury, Lancashire, BL8 4AE Classification: Insulation Materials Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	734	-	377432 413215
191	Contemporary Trade Directory Entries Name: Compsey Creamery Location: 26, Greenside Drive, Greenmount, Bury, Lancashire, BL8 4BE Classification: Cheese Makers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	784	-	377576 414029
192	Contemporary Trade Directory Entries Name: Greenwood & Coope Ltd Location: Brookhouse Mill, Holcombe Road, Greenmount, Bury, Lancashire, BL8 4HR Classification: Carpets & Rugs - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	786	-	377634 413749
193	Contemporary Trade Directory Entries Name: James Duckworth Electrical Ltd Location: 4, Market Street, Tottington, Bury, Lancashire, BL8 4AD Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	789	-	377495 413208
194	Contemporary Trade Directory Entries Name: Smile Carpet Cleaning Location: 240, HOLCOMBE ROAD, TOTTINGTON, BL8 4BD Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	810	-	377620 413972
194	Contemporary Trade Directory Entries Name: Smile Carpet Cleaning Location: 240, HOLCOMBE ROAD, TOTTINGTON, BL8 4BD Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	810	-	377620 413972
195	Contemporary Trade Directory Entries Name: Dirtbusters Location: 11, Royds Street, Tottington, Bury, Lancashire, BL8 3NH Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	824	-	377606 413333
196	Contemporary Trade Directory Entries Name: Spark Location: 251, Holcombe Road, Greenmount, Bury, Lancashire, BL8 4BD Classification: Electrical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	834	-	377625 414041
196	Contemporary Trade Directory Entries Name: Finesse Chem-Dry Location: 263, Holcombe Road, Greenmount, Bury, Lancashire, BL8 4BD Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (E)	870	-	377650 414079
197	Contemporary Trade Directory Entries Name: Sew Impressed Ltd Location: 29, Market Street, Tottington, Bury, Lancashire, BL8 4AA Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	885	-	377555 413129
197	Contemporary Trade Directory Entries Name: Cooldelight Desserts Ltd Location: 39, Market Street, Tottington, Bury, Lancashire, BL8 4AA Classification: Ice Cream Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	905	-	377562 413105
198	Contemporary Trade Directory Entries Name: Bury Clean Location: Royds House Royds st, Tottington, Bury, Lancashire, BL8 3NH Classification: Leather Goods - Cleaning Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	885	-	377640 413262

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
199	Contemporary Trade Directory Entries Name: H S B Technical Services Ltd Location: Stormer Hill Works, Mill Street, Tottington, Bury, BL8 4AT Classification: Valve Manufacturers & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	946	-	377787 413519
199	Contemporary Trade Directory Entries Name: Cadworks Uk Location: Stormer Hill Works, Mill Street, Tottington, Bury, Lancashire, BL8 4AT Classification: Printers Textile Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	946	-	377787 413519
200	Contemporary Trade Directory Entries Name: Greenmount Carpet Care Location: 2, Station Road, Greenmount, Bury, Lancashire, BL8 4BJ Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (E)	975	-	377750 414109
201	Contemporary Trade Directory Entries Name: Johnson Brewing Design Location: 34, Kirklees Street, Tottington, Bury, Lancashire, BL8 3NJ Classification: Brewers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	986	-	377685 413138
201	Contemporary Trade Directory Entries Name: Johnson Brewing Location: 34, Kirklees Street, Tottington, Bury, Lancashire, BL8 3NJ Classification: Brewery Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	986	-	377685 413138
201	Contemporary Trade Directory Entries Name: Blundell Air Conditioning Ltd Location: 34, Kirklees Street, Tottington, Bury, Lancashire, BL8 3NJ Classification: Air Conditioning Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	986	-	377685 413138
201	Contemporary Trade Directory Entries Name: Whitefield Fabrications Location: 32, Kirklees Street, Tottington, Bury, Lancashire, BL8 3NJ Classification: Sheet Metal Work Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	986	-	377676 413125
201	Contemporary Trade Directory Entries Name: Westgate Fabrications Location: 32, Kirklees Street, Tottington, Bury, Lancashire, BL8 3NJ Classification: Sheet Metal Work Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	986	-	377676 413125
202	Contemporary Trade Directory Entries Name: Euro Packaging Plc Location: 80, Market Street, Tottington, Bury, Lancashire, BL8 3LJ Classification: Packaging Materials Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SE (SE)	993	-	377550 412959
203	Points of Interest - Commercial Services Name: Westgate Fabrications Location: 32 Kirklees Street, Tottington, Bury, BL8 3NJ Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A9NE (SE)	986	7	377676 413125
204	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	833	7	377676 413539
204	Points of Interest - Manufacturing and Production Name: Works Location: BL8 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	833	7	377676 413539

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
205	Points of Interest - Manufacturing and Production Name: Works Location: BL8 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	926	7	377759 413480
205	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	928	7	377768 413515
205	Points of Interest - Manufacturing and Production Name: Works Location: BL8 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	928	7	377768 413516
205	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	946	7	377787 413518
205	Points of Interest - Manufacturing and Production Name: Works Location: BL8 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	947	7	377788 413519
206	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	979	7	377734 413240
207	Points of Interest - Public Infrastructure Name: Weir Location: BL8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	228	7	376608 413985
207	Points of Interest - Public Infrastructure Name: Weir Location: BL8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	229	7	376603 413982
208	Points of Interest - Public Infrastructure Name: Weir Location: BL8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	307	7	377093 413939
209	Points of Interest - Public Infrastructure Name: Burial Ground Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A18SE (NE)	350	7	376976 414092
209	Points of Interest - Public Infrastructure Name: Burial Ground Location: BL8 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A18SE (NE)	350	7	376976 414092
210	Points of Interest - Public Infrastructure Name: Weir Location: BL8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	383	7	377195 413903

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
210	Points of Interest - Public Infrastructure Name: Weir Location: BL8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NW (NE)	384	7	377196 413905
211	Points of Interest - Public Infrastructure Name: Weir Location: BL8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	713	7	377490 413348
211	Points of Interest - Public Infrastructure Name: Weir Location: BL8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	714	7	377487 413339
211	Points of Interest - Public Infrastructure Name: Weir Location: BL8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	715	7	377489 413340
212	Points of Interest - Public Infrastructure Name: Weir Location: BL8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	727	7	376447 414467
212	Points of Interest - Public Infrastructure Name: Weir Location: BL8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	732	7	376442 414470
213	Points of Interest - Public Infrastructure Name: Sluices Location: BL8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	804	7	377633 413474
213	Points of Interest - Public Infrastructure Name: Sluices Location: BL8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	804	7	377633 413473
214	Points of Interest - Public Infrastructure Name: Weir Location: BL8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	846	7	377329 412967
214	Points of Interest - Public Infrastructure Name: Weir Location: BL8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	849	7	377331 412965
215	Points of Interest - Public Infrastructure Name: Sluice Location: BL8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	874	7	377719 413552
215	Points of Interest - Public Infrastructure Name: Sluice Location: BL8 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	878	7	377723 413551

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
216	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	722	7	377510 413369
216	Points of Interest - Recreational and Environmental Name: Playground Location: Chapel Street, BL8 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	722	7	377510 413369

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
217	Areas of Adopted Green Belt Authority: Bury Metropolitan Borough Council Plan Name: Bury Unitary Development Plan Status: Adopted Plan Date: 29th August 1997	A13NE (E)	0	5	376799 413740

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office Rossendale Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Blackburn with Darwen Borough Council - Environmental Health Department Bolton Metropolitan Borough Council - Environmental Health Department Bury Metropolitan Borough Council - Environmental Health Department	November 2023 October 2017 October 2017 September 2017 September 2017 September 2017	Annually Annual Rolling Update Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - North West Region	October 2024	Quarterly
Enforcement and Prohibition Notices Environment Agency - North West Region	March 2013	
Integrated Pollution Controls Environment Agency - North West Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - North West Region	October 2024	Quarterly
Local Authority Integrated Pollution Prevention And Control Blackburn with Darwen Borough Council - Environmental Health Department Bury Metropolitan Borough Council - Environmental Health Department Bolton Metropolitan Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	February 2015 February 2015 July 2014 July 2014 May 2016	Variable Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls Blackburn with Darwen Borough Council - Environmental Health Department Bury Metropolitan Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Bolton Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	February 2015 February 2015 July 2014 July 2014 May 2016	Not Applicable Not Applicable Annual Rolling Update Not Applicable Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Blackburn with Darwen Borough Council - Environmental Health Department Bury Metropolitan Borough Council - Environmental Health Department Bolton Metropolitan Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	February 2015 February 2015 July 2014 July 2014 May 2016	Variable Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	January 2025	
Pollution Incidents to Controlled Waters Environment Agency - North West Region	January 2000	
Historical Prosecutions Environment Agency, North West Region	March 2013	Not Applicable
Prosecutions Environment Agency - Head Office	February 2024	Annually
Registered Radioactive Substances Environment Agency - Head Office Environment Agency - North West Region	May 2023 May 2023	
Substantiated Pollution Incident Register Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	October 2024 October 2024 October 2024	Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - North West Region	October 2024	Quarterly
Water Industry Act Referrals Environment Agency - North West Region	October 2017	

Agency & Hydrological	Version	Update Cycle
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	As notified
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	As notified
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	
Flood Water Storage Areas Environment Agency - Head Office	January 2024	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	
OS Water Network Lines Ordnance Survey	January 2025	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Water Framework Directive - Catchment Environment Agency - Head Office	July 2024	Annually
Water Framework Directive - Groundwater Environment Agency - Head Office	July 2024	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	October 2024	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	November 2024 November 2024 November 2024	Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	October 2024 October 2024 October 2024	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Lancashire County Council - Waste Management Group Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	February 2003 February 2003 February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Lancashire County Council - Waste Management Group Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	October 2018 October 2018 October 2018 October 2018 October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	March 2006 March 2006 March 2006	Not Applicable Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	April 2018 April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	June 2015 June 2015 June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	September 2024	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Lancashire County Council Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council - Planning Department Bury Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	April 2023 February 2016 February 2016 February 2016 May 2023 May 2023	Variable Variable Variable Variable Variable Variable
Planning Hazardous Substance Consents Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council - Planning Department Bury Metropolitan Borough Council Lancashire County Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	February 2016 February 2016 February 2016 February 2016 February 2016 February 2016	Variable Variable Variable Variable Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	March 2024	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	November 2024	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	November 2024	Annually
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	December 2024	Quarterly
Fuel Station Entries Green Street Advisor (UK) Ltd	December 2024	Quarterly
Points of Interest - Commercial Services PointX	March 2025	Quarterly
Points of Interest - Education and Health PointX	March 2025	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2025	Quarterly
Points of Interest - Public Infrastructure PointX	March 2025	Quarterly
Points of Interest - Recreational and Environmental PointX	March 2025	Quarterly
Underground Electrical Cables National Grid	January 2024	

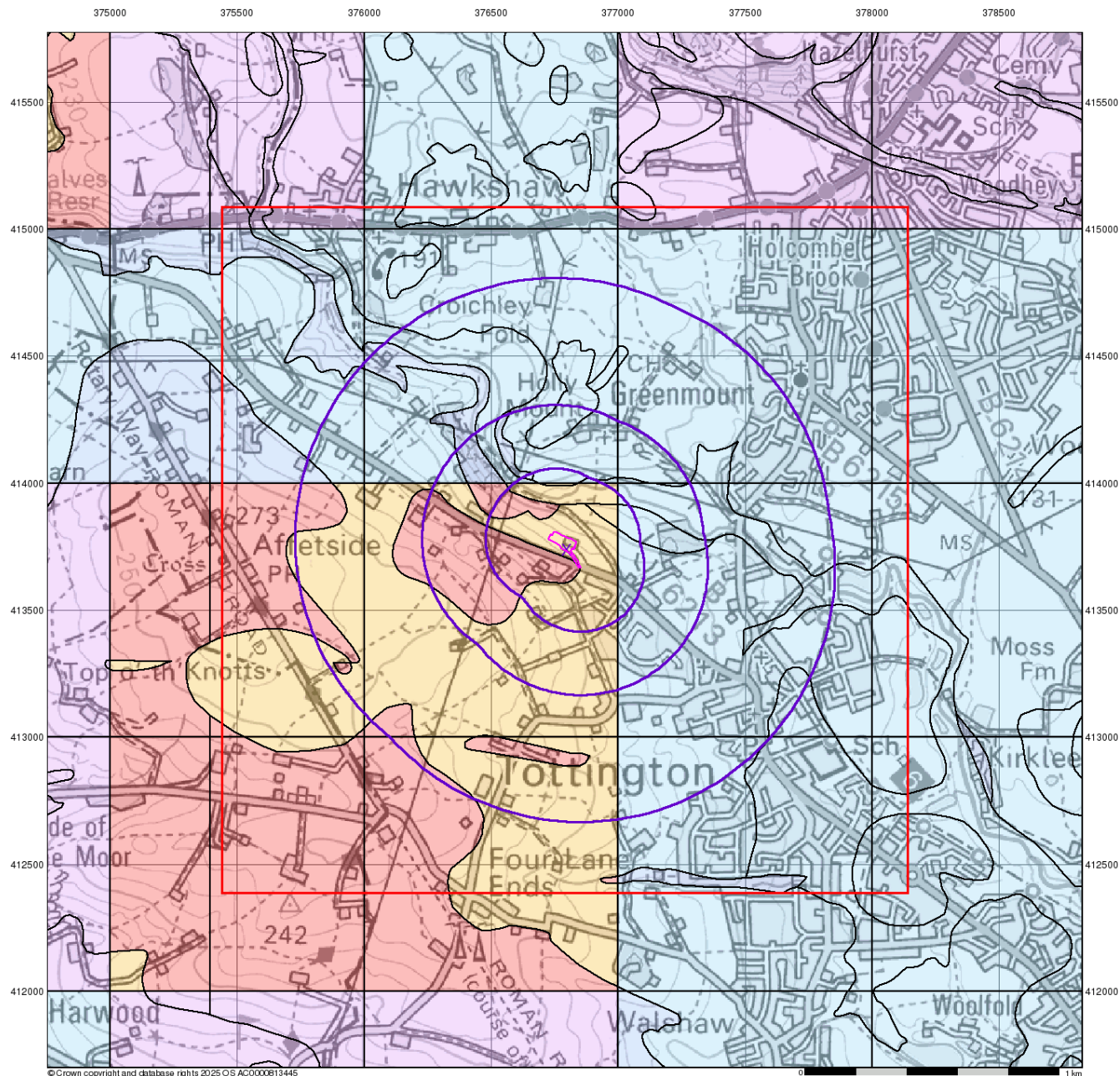
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	November 2024	Bi-Annually
Areas of Adopted Green Belt Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	July 2024 July 2024 July 2024 July 2024 July 2024	Quarterly Quarterly Quarterly Quarterly Quarterly
Areas of Unadopted Green Belt Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	July 2024 July 2024 July 2024 July 2024 July 2024	Quarterly Quarterly Quarterly Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	November 2024	Bi-Annually
Environmentally Sensitive Areas Natural England	August 2023	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves Natural England	February 2025	Bi-Annually
Marine Nature Reserves Natural England	February 2025	Bi-Annually
National Nature Reserves Natural England	January 2025	Bi-Annually
National Parks Natural England	September 2024	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 November 2024	Annually
Ramsar Sites Natural England	February 2025	Bi-Annually
Sites of Special Scientific Interest Natural England	November 2024	Bi-Annually
Special Areas of Conservation Natural England	January 2025	Bi-Annually
Special Protection Areas Natural England	November 2024	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.co.uk
5	Bury Metropolitan Borough Council Craig House, Bank Street, Bury, Lancashire, BL9 0DN	Telephone: 0161 253 5000 Fax: 0161 705 5290 Website: www.bury.gov.uk
6	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
7	PointX 5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	Bolton Metropolitan Borough Council Town Hall, The Wellsprings, Bolton, Lancashire, BL1 1US	Telephone: 01204 522311 Fax: 01204 392808 Website: www.bolton.gov.uk
10	Blackburn with Darwen Borough Council Town Hall, Blackburn, Lancashire, BB1 7DY	Telephone: 01254 585585 Fax: 01254 680870 Website: www.blackburn.gov.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6618 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk

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



Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers

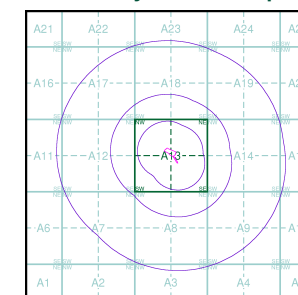
- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Superficial Aquifers

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

- Unproductive Aquifer
- Soluble Rock

Site Sensitivity Context Map - Slice A

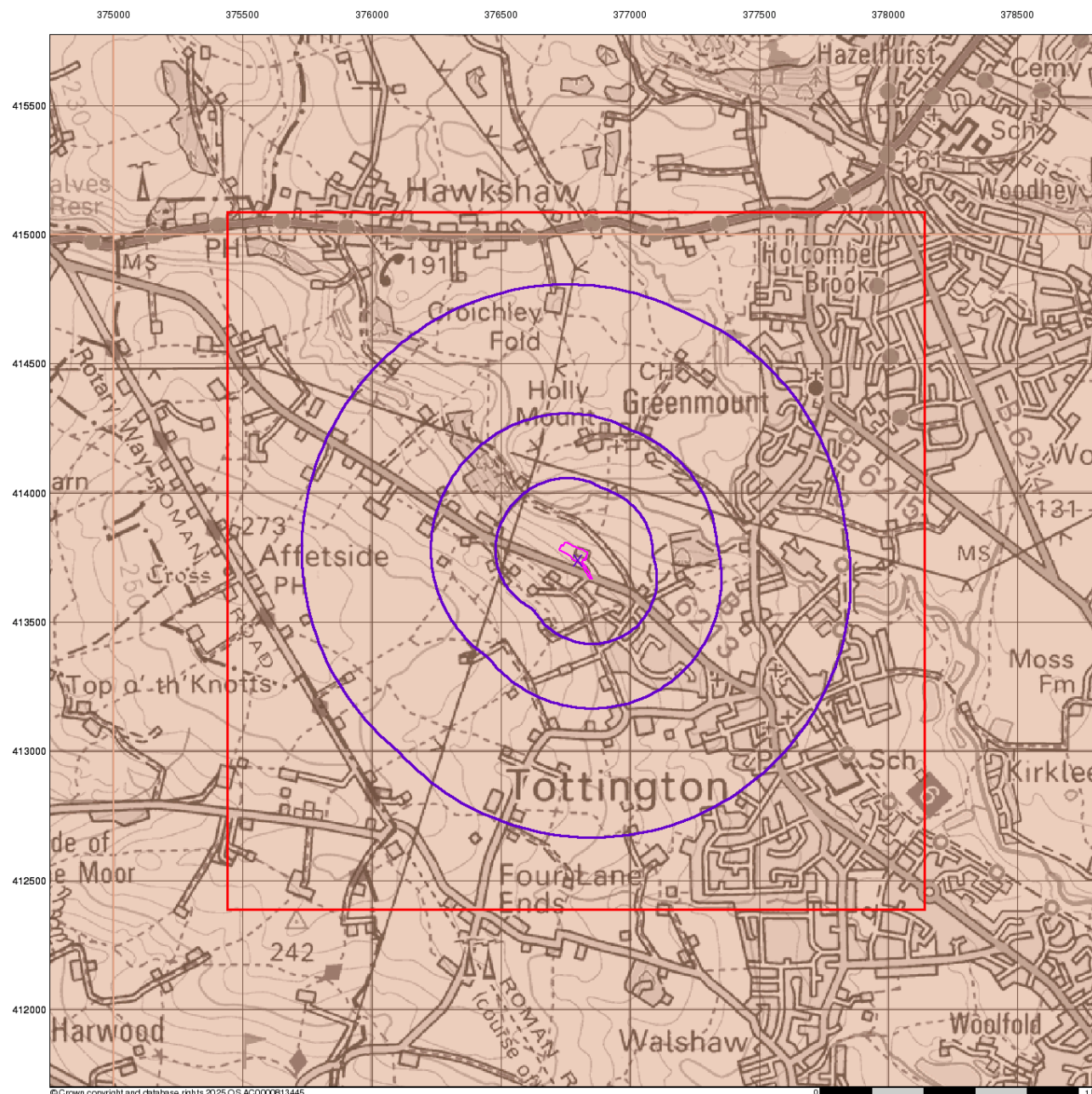


Order Details

Order Number: 372334688_1_1
 Customer Ref: 84704
 National Grid Reference: 376800, 413740
 Slice: A
 Site Area (Ha): 0.49
 Search Buffer (m): 1000

Site Details

Ferns Farm, Turton Road, Tottington, BL8 3QH



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0 1 km

Bedrock Aquifer Designation

General

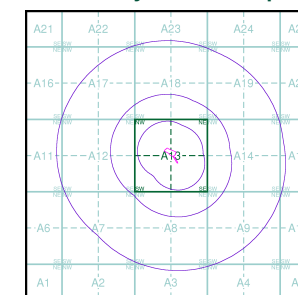
- ▮ Specified Site ○ Specified Buffer(s) X Bearing Reference Point
- ▮ Slice 8 Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A

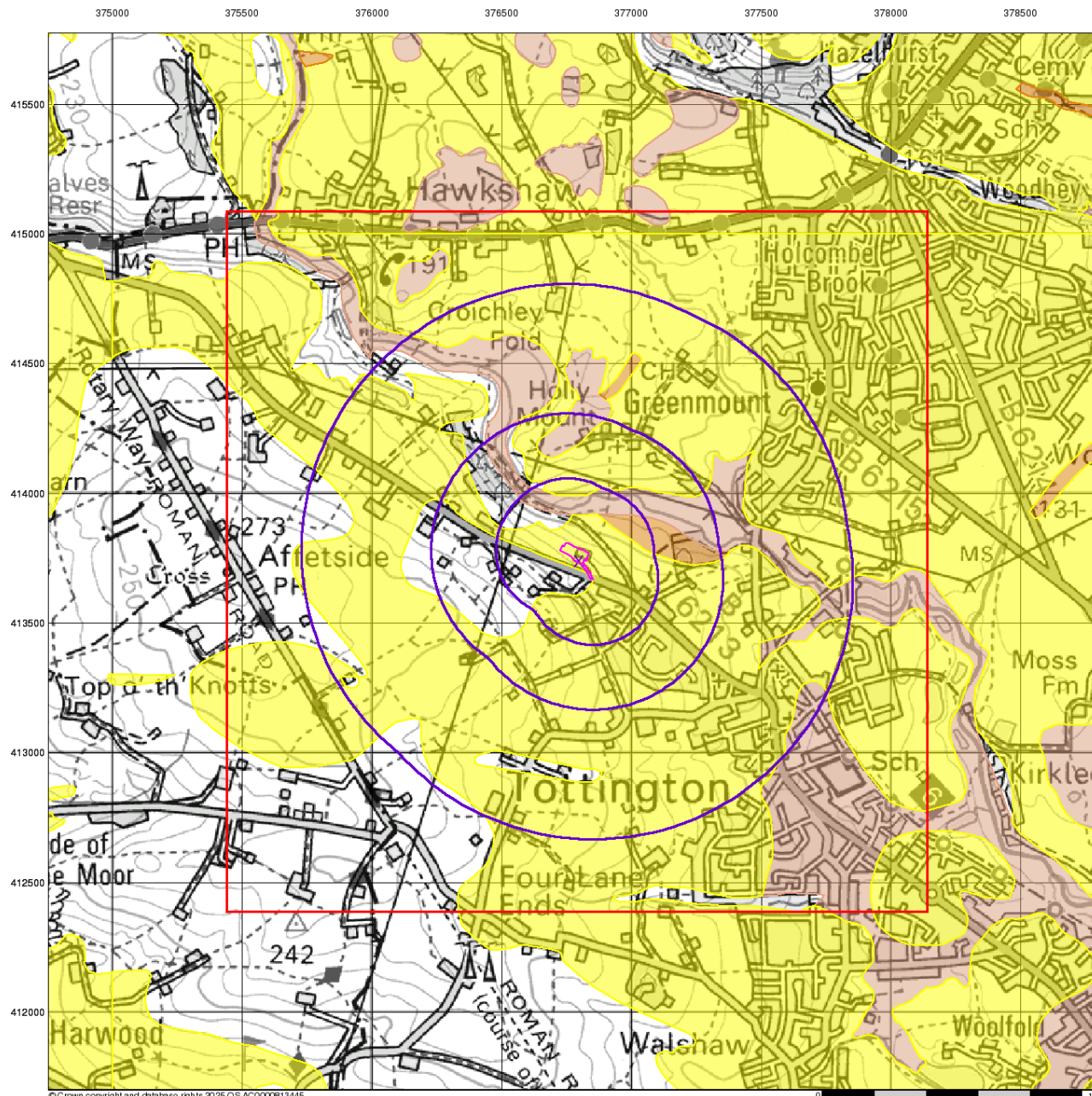


Order Details

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 Customer Ref: 84704
 National Grid Reference: 376800, 413740
 Slice: A
 Site Area (Ha): 0.49
 Search Buffer (m): 1000

Site Details

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0 1 km

Superficial Aquifer Designation

General

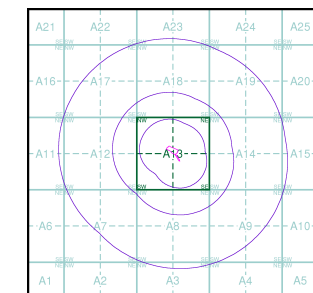
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A

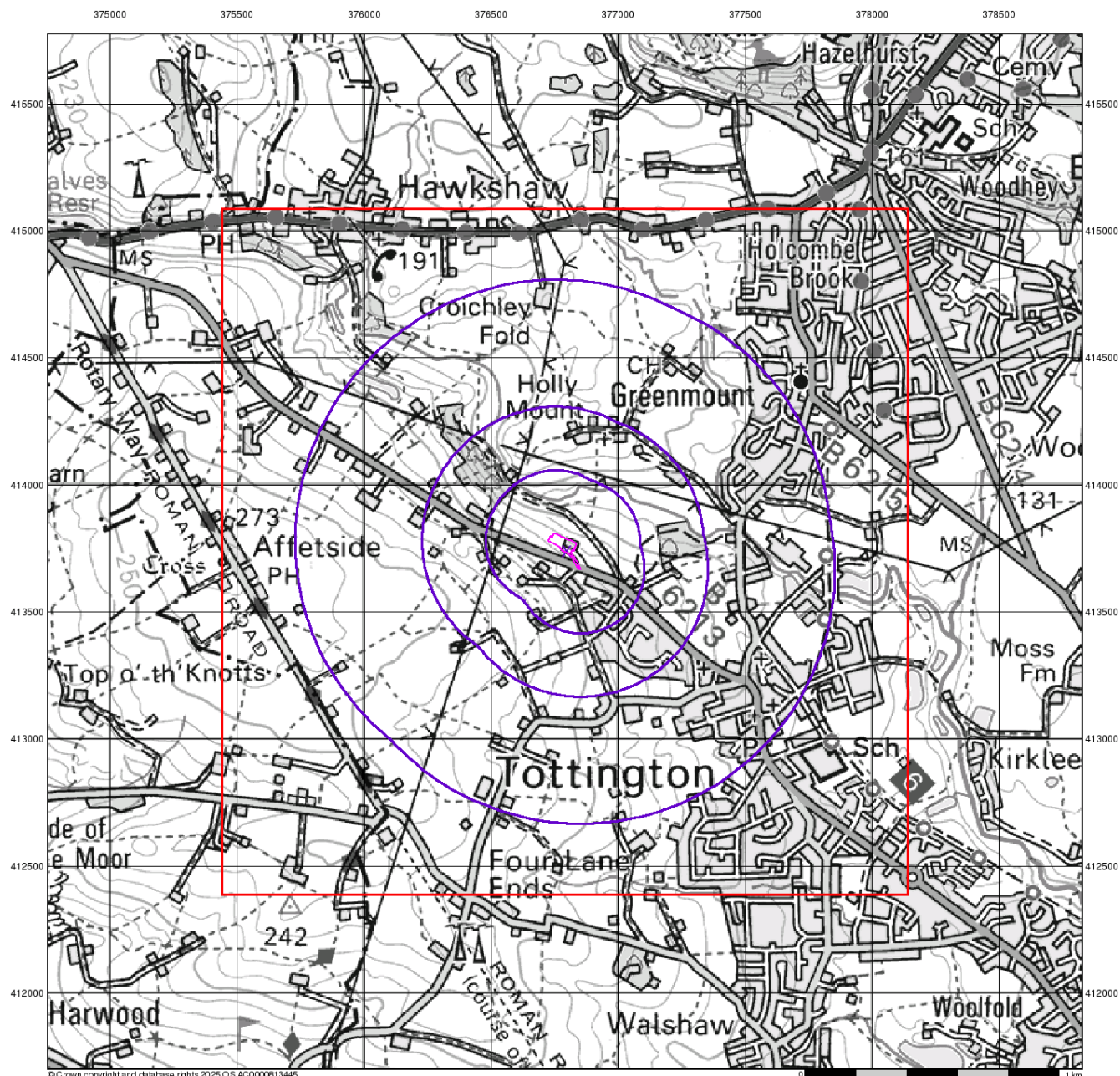


Order Details

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 Site Area (Ha): 0.49
 Search Buffer (m): 1000

Site Details

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Source Protection Zones

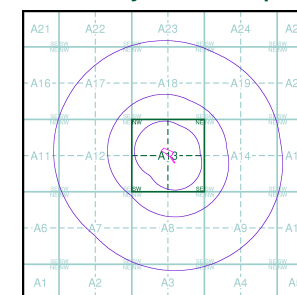
General

- ◊ Specified Site ○ Specified Buffer(s) X Bearing Reference Point
- Slice B Map ID

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A

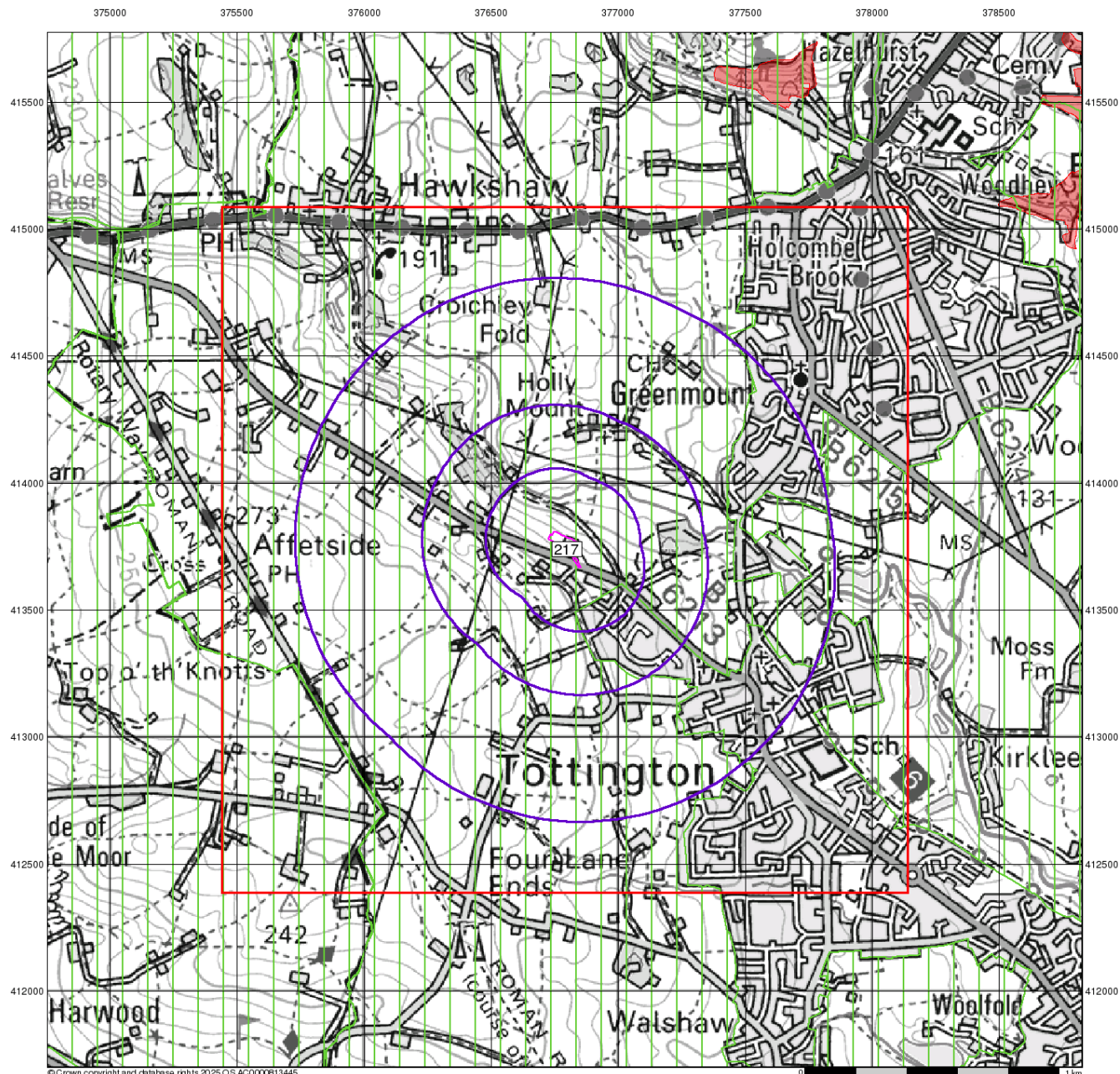


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 Search Buffer (m): 1000

Site Details

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Sensitive Land Uses

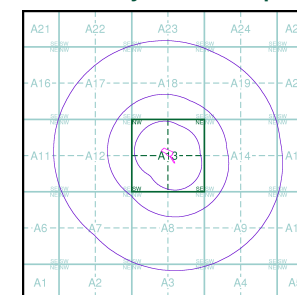
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A

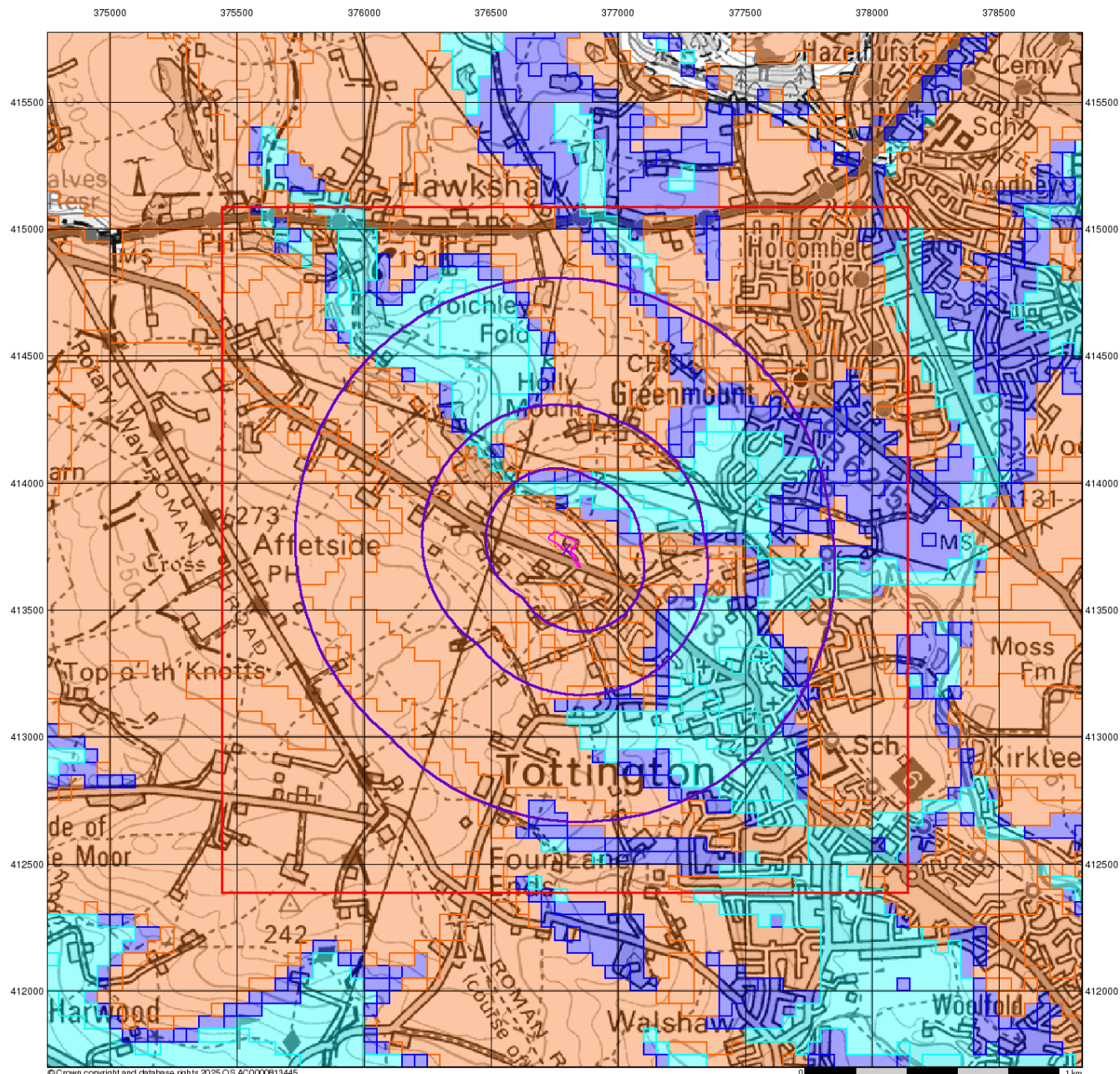


Order Details

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 Site Area (Ha): 0.49
 Search Buffer (m): 1000

Site Details

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BGS Flood GFS Data

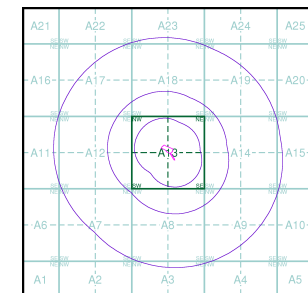
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 372334688_1_1
 Customer Ref: 84704
 National Grid Reference: 376800, 413740
 Slice: A
 Site Area (Ha): 0.49
 Search Buffer (m): 1000

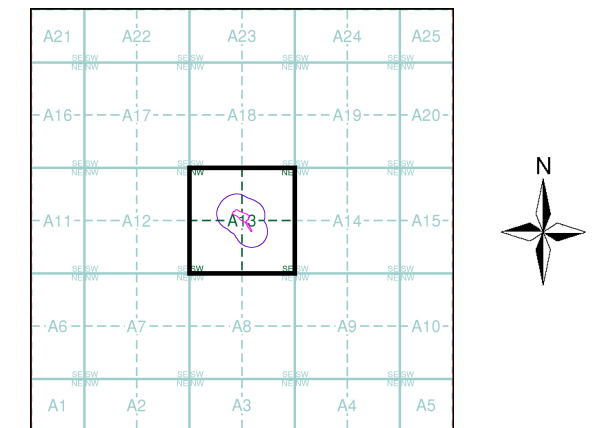
Site Details

Ferns Farm, Turton Road, Tottington, BL8 3QH

General

- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
 - Pylon
 - Overhead Transmission Line
- ## Agency and Hydrological
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention and Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Historical Prosecutions
 - Prosecutions
 - Registered Radioactive Substance
 - River Network or Water Feature
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- ## Waste
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- ## Hazardous Substances
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- ## Geological
- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13

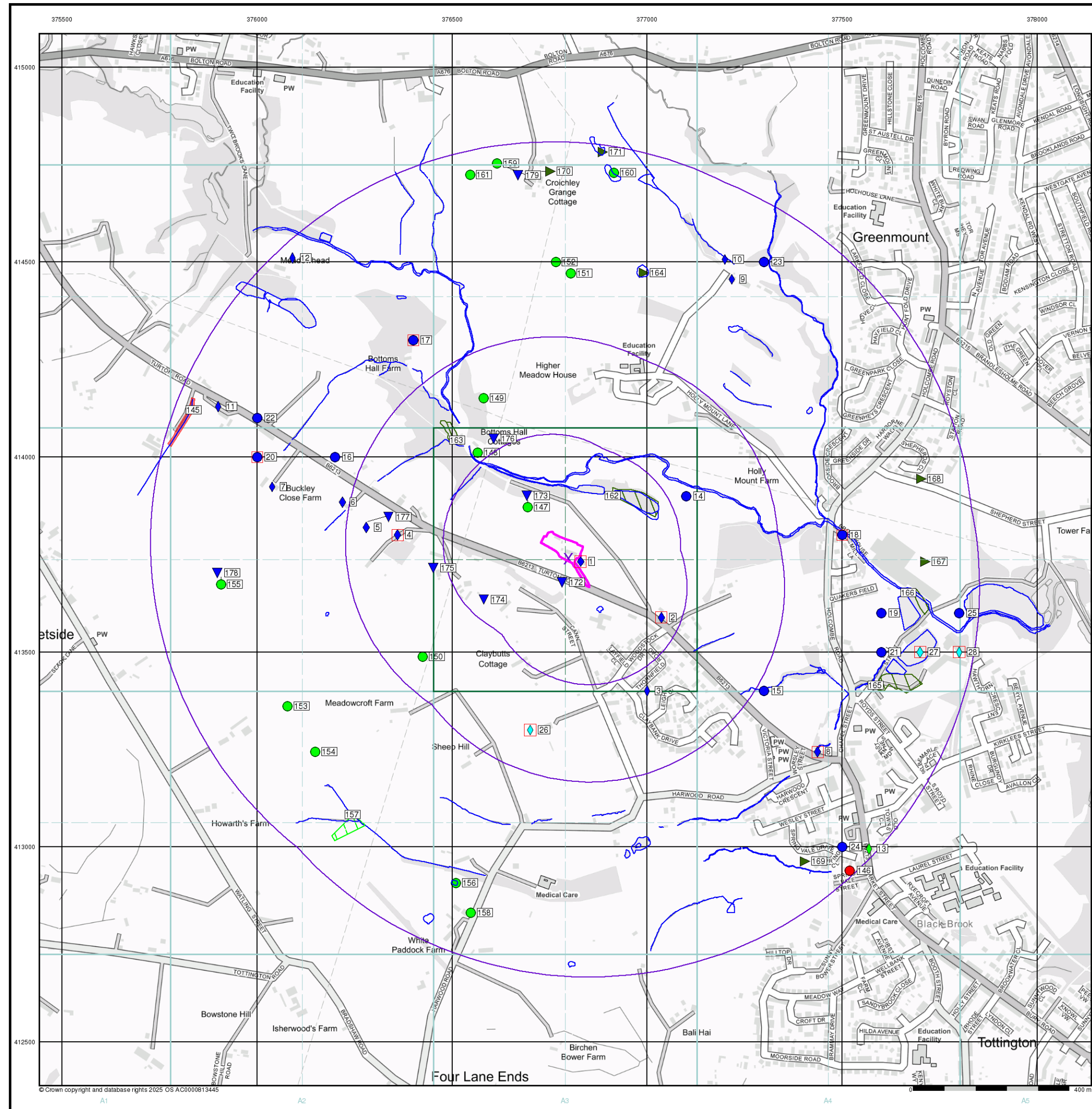


Order Details

Order Number: 372334688_1_1
Customer Ref: 84704
National Grid Reference: 376800, 413740
Slice: A
Site Area (Ha): 0.49
Plot Buffer (m): 100

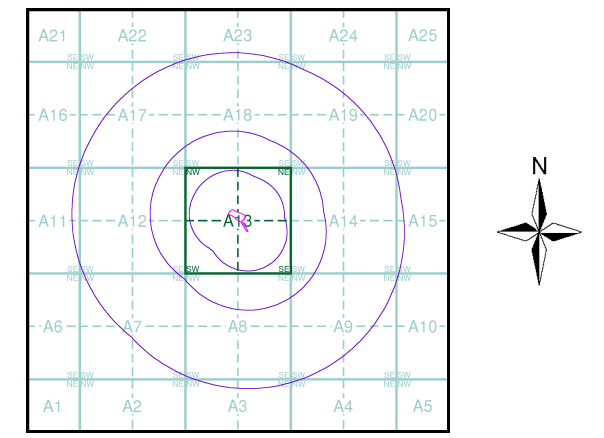
Site Details

Ferns Farm, Turton Road, Tottington, BL8 3QH



- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Historical Prosecutions
 - Prosecutions
 - Registered Radioactive Substance
 - River Network or Water Feature
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- Geological**
- BGS Recorded Mineral Site

Site Sensitivity Map - Slice A

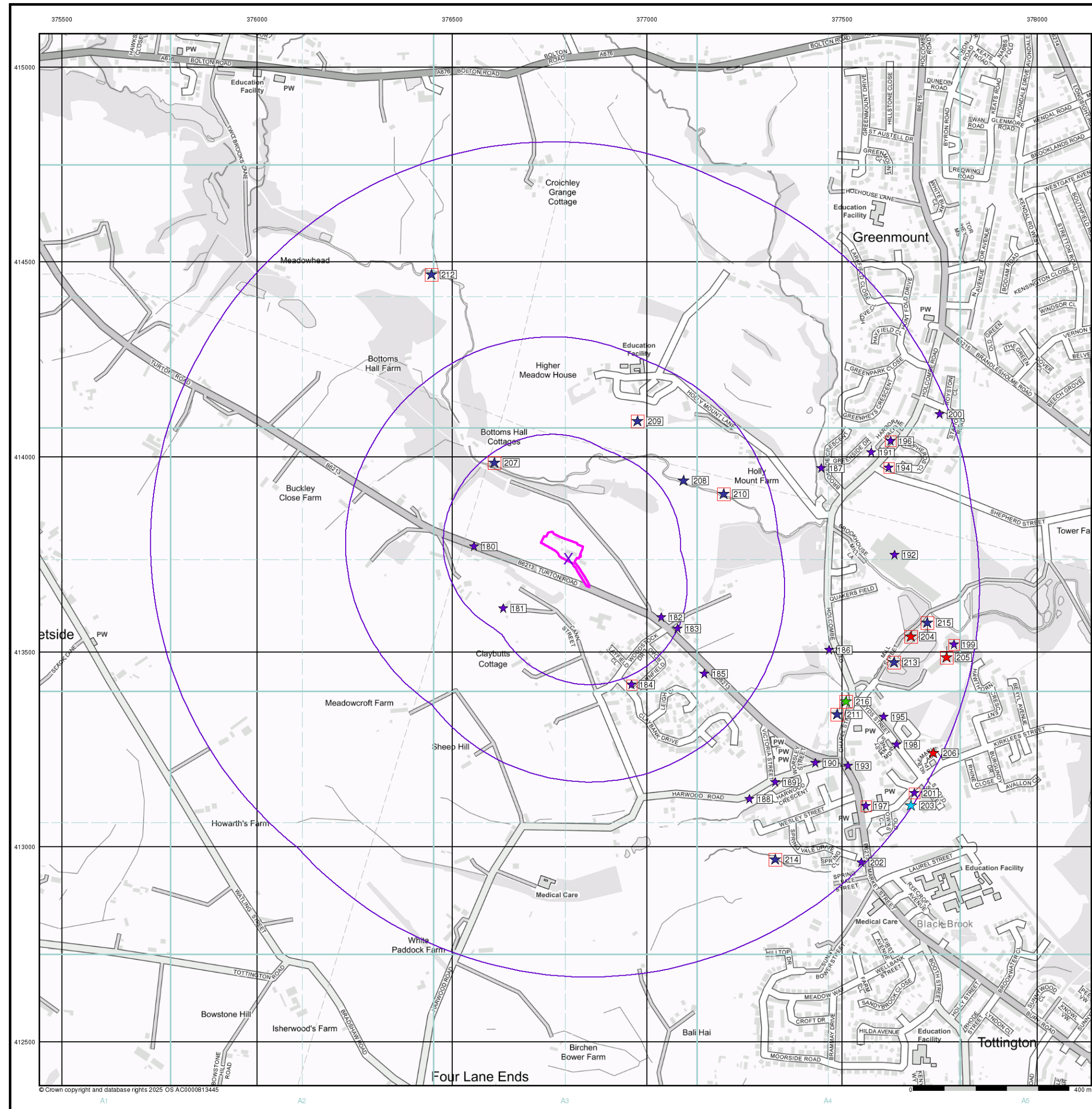


Order Details

Order Number: 372334688_1_1
Customer Ref: 84704
National Grid Reference: 376800, 413740
Slice: A
Site Area (Ha): 0.49
Search Buffer (m): 1000

Site Details

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Industrial Land Use Map

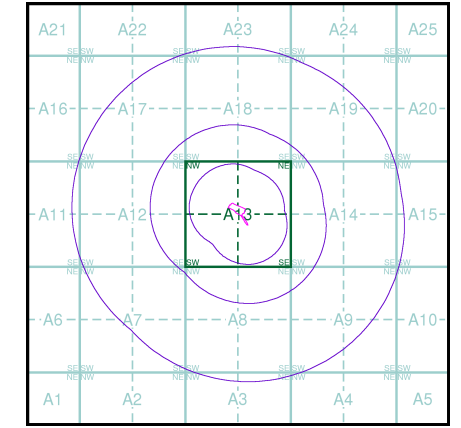
General

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

Industrial Land Use

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

Industrial Land Use Map - Slice A

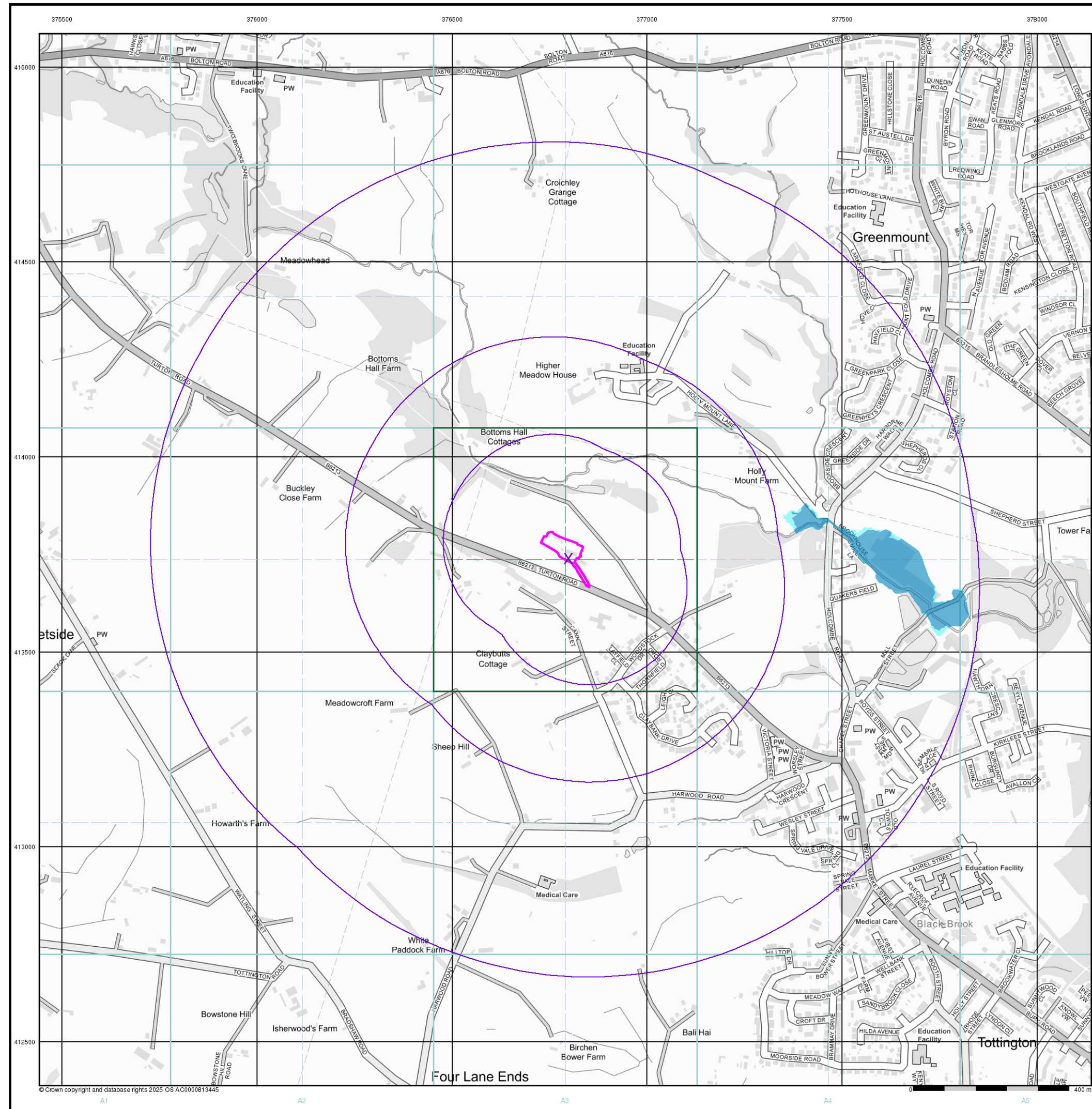


Order Details

Order Number: 372334688_1_1
Customer Ref: 84704
National Grid Reference: 376800, 413740
Slice: A
Site Area (Ha): 0.49
Search Buffer (m): 1000

Site Details

Ferns Farm, Turton Road, Tottington, BL8 3QH



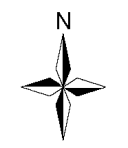
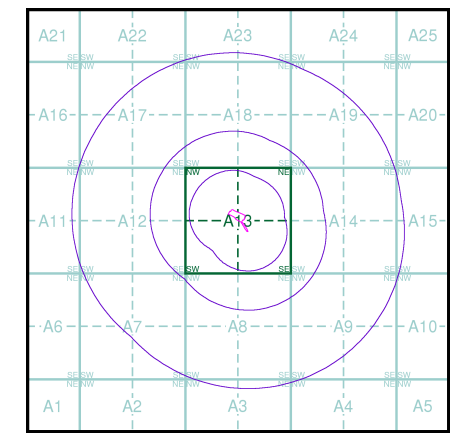
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

Order Number: 372334688_1_1
Customer Ref: 84704
National Grid Reference: 376800, 413740
Slice: A
Site Area (Ha): 0.49
Search Buffer (m): 1000

Site Details

Ferns Farm, Turton Road, Tottington, BL8 3QH