



Phase I Preliminary Risk Assessment

At

Maelor Works, Marchwiel
Wrexham

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Phase I Preliminary Risk Assessment

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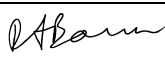
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Executive Summary

Introduction	Sutcliffe Investigations were instructed by Clover & Thomas Investments to undertake a Phase I Preliminary Risk Assessment (PRA) of the site known as Maelor Works, Marchweil, Wrexham, LL13 0UW
Aims & Objectives	The Phase 1 PRA is required to assess the ground based environmental and geotechnical risks, development constraints and liabilities associated with the development of the site, required in support of an application for outline planning. This report constitutes a preliminary investigation as defined in BS10175 and contains the following: - Summary of the information obtained from an Envirocheck Report (<i>Report Reference: 243108924</i>). - A preliminary risk assessment of potential environmental risks associated with the proposed redevelopment of the site to identified receptors, following the methodology of CLR11 and their recommendations on contamination reports.
Development Plans	At this stage there is no defined development plan, however this assessment has been undertaken with a view for a final development with residential housing.
Site Location & Description	The site address is located at Maelor Works, Marchweil, Wrexham, LL13 0UW at National Grid Reference (NGR) 338087, 348086 The site is approximately 5.22km south east from the centre of Wrexham and is surrounded on its northern and western boundaries by a solar farm, with agricultural land to the east and south. The site is irregular in shape, with the main area of the site being formed of the former National Grid Gas Works. The site is accessed via the B5130 to the south of the site. The site is relatively flat with boundary fences noted around the site area. The site is currently vacant, however a number of buildings and structures associated with the sites former use as a gas works are still present, additionally Flogas still have a facility to the north east corner of the site.
Site History	Onsite – The site is shown as agricultural land from the earliest mapping available, that was then developed as a small part of the extensive former Royal Ordnance Factory (ROF) Wrexham, the majority of which lay to the north of the site, including the presence of railway lines associated with the factory that ran through the western arm of the site and through the south of the gas works area and turning to the south to run parallel with the entrance road from the B5130. While there is a gap in the mapping during this time period it is known that ROF Wrexham was constructed in 1939, with the associated development showing on post-war mapping. Following closure of the ROF, the site was redeveloped as a gas works. Following closure of the gasworks in the 1970s, the site has been used for a variety of gas distribution related activities, with some new office buildings constructed over the footprint of the former gasworks. Other parts of the site have been used for the storage of containerised gas (Flogas) and portions of the site have been sold to a separate gas utility company (Wales and West Utilities). Large parts of the northern and south eastern sectors of the site have essentially been disused since the closure of the gasworks operations. Offsite - The earliest historical mapping indicates that the surrounding area of the site was largely field land with a number of associated farm buildings being noted between 100 – 250m north of the site. The Wrexham & Ellesmere railway line was noted approximately 250m south west of the site from 1899-1964. Over the following years little change was evident to the east, south and west of the site, with some minor expansion of residential properties noted, with the area remaining largely under agricultural use. The area to the north of the site has seen the most development, with first the construction of ROF Wrexham in the late 1930's followed by Wrexham Industrial Estate being built in its place from the 1960's onwards.

Geotechnical Uncertainty	The site has been subject to previous development and therefore, the potential for relic foundations and obstructions cannot be discounted.
Geology	Artificial - The geology maps indicate that the site is formed of Landscaped Ground (Undivided) across the north and south, with an area of Made Ground (Undivided) noted running through the centre of the site. Drift - The superficial deposits for the site are noted as Devensian Till. Solid - The solid geology for the site is noted as being predominantly Kinnerton Sandstone Formation with Salop Formation noted underlying the western end of the site.
Hydrogeology	The Bedrock is classified as a Principal & Secondary A Aquifer with the Superficial Deposits classified as a Secondary Undifferentiated Aquifer. The site is located within an Outer Zone (Zone 2) and Total Catchment (Zone 3) Groundwater Source Protection Zone (SPZ). There are four unique groundwater abstraction points listed in the Envirocheck Report within 2000m of the site.
Faults	No faults have been identified within the development site boundary. No action is required in respect to foundation design.
Radon	The site is within an intermediate radon affected area, as 1-3% of homes are above the action level. No radon protection measures are necessary in the construction of new dwellings or extensions
Coal Mining	The site is not in a high-risk development area for coal mining or brine subsidence. The site does however bound the coal mining reporting area.
Hydrology	The nearest surface water feature is noted on site which is a stream. There are 3 surface water abstractions listed within the Envirocheck Report within 2000m of the site. The nearest of which is 1190m south of the site.
Risk Assessment	The Phase I PRA has not highlighted significant areas of concern and therefore, the site is deemed to be Class 2 – Medium Risk.
Conclusions & Recommendations	Based on the findings of the Phase I review, Sutcliffe Investigations do not consider there to be any identifiable significant environmental issues regarding the site. However, there is limited information of the ground for geotechnical properties and as such we would therefore recommend the following sequential works are undertaken: • Submission of this Phase I PRA Report for the benefit of validating the outline planning application. The Coal Authority may be consulted as part of the planning process requiring an assessment of risk associated with Coal Mining Assets. • Commission a Phase II Ground Investigation designed to discharge any contaminated land conditions that may be assigned to the site and allow the design of economic foundation solutions. • Commission a Flood Risk Assessment.

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31013-SUT-ZZ-00-DR-G-720-0004 Plan Detailing Potential Areas of Concern

1 Introduction

1.1 Terms of Reference

Sutcliffe Investigations were instructed by Clover & Thomas Investments to undertake a Phase I Preliminary Risk Assessment (PRA) of the site known as Maelor Works, Marchweil, Wrexham, LL13 0UW (*Figure 1*).

1.2 Proposed Development

There is no defined development proposal at this stage of the scheme, however this report is assessing the site and any potential contamination linkages from the viewpoint of developing the site with private housing, with associated gardens and infrastructure.

1.3 Legislative Context

The presence of contaminants which may pose a risk to human health and / or the environment is a planning consideration. As part of the planning regime it needs to be considered whether the site is “*suited for its proposed end use*”. Planning is concerned with the site’s proposed end use, not its current use, where the amount of contamination is required to be low relative to the level of risk.

Section 57 of the Environment Act 1995, adds Part 2A (ss. 78A to 18YC) to the Environmental Protection Act 1990 and contains the legislative framework for identifying and dealing with contaminated land. Where development is undertaken on land which may be affected by contamination, the National Planning Policy Framework, paragraphs 120 to 122 considers pollution and remediation. This links the contaminated land regime within the development process.

For there to be a significant risk requiring further investigation a perceived source (contaminant), a receptor (humans, living organisms or property) and a pathway between them must all be present, resulting in a complete contaminant linkage.

In order to assess whether this is the case, background research is required to obtain relevant information about the site and its surroundings and to assess the findings qualitatively. The scope of the assessment examined whether there is the potential for current and historic soil and/or groundwater contamination to be present, both at and in the vicinity of the site, and to assess significance in terms of the potential to pose a risk to human health, controlled waters, building infrastructure and the wider environment and identify any associated potential liabilities.

Part 2A of the Environmental Protection Act 1990 (“Part 2A”) provides the legislative framework for the contaminated land regime in England, Wales and Scotland. It provides for contaminated land to be identified and dealt with in a risk-based manner.

The *Contaminated Land (Wales) Regulations 2006* (SI 2006/2989) set out provisions for procedural matters under Part 2A. The 2006 regulations have recently been modified with the introduction of *The Contaminated Land (Wales) (Amendment) Regulations 2012*, which came into force on 6th April 2012. This includes an amendment to Regulation 3(c) to take account of the updated definition of “controlled waters” in Section 78A(9) of the *Environmental Protection Act 1990*. Section 78A(2) of Part 2A of the EPA 1990 defines contaminated land as “land which appears to the local authority in whose area it is situated to be in such a condition, by reason of substances in, on or under the land, that:

- significant harm is being caused or there is a significant possibility of such harm being caused; or
- pollution of controlled waters is being, or is likely to be caused”.

Contaminated Land Statutory Guidance published in April 2012 provides for a new four category test which is intended to clarify when land does or does not need to be remediated, where Category 1 is deemed as being high risk and Category 4 as being low risk.

1.4 Previous Studies

It is known from a review of information available of the Planning Portal that the site has been subject to previous development and has undergone some localised remediation following the cessation of works on site by Wales and West Utilities.

1.5 Objectives & Scope of Works

The Phase 1 PRA is required to assess the ground based environmental and geotechnical risks, development constraints and liabilities associated with the development of the site, required in support of an application for outline planning.

This report will inform the study of any potential contaminated land issues to be identified, assessed and actioned and has been designed to provide sufficient information to satisfy the requirements of National Planning Policy Framework (NPPF) in order to satisfy the aims and objectives of the project.

The report will culminate in the presentation of a Preliminary Conceptual Site Model (CSM) and will include clear robust recommendations for any additional works. These works will be designed to fully assess and mitigate risks, development constraints and abnormalities that may be required in support of a detailed planning application and design of detailed foundation options.

This report constitutes a preliminary investigation as defined in BS10175 and contains the following:

- Summary of the information obtained from an Envirocheck Report (*Report Reference: 243108924*), which is presented in *Appendix A*.
- A preliminary risk assessment of potential environmental risks associated with the proposed redevelopment of the site to identified receptors, following the methodology of CLR11 and their recommendations on contamination reports, i.e.:
 - *Department for Environment, Food and Rural Affairs and the Environment Agency, 2002. "Model procedures for the management of land contamination" (CLR11).*
 - *Environment Agency, March 2011, "Model Procedures for the Management of Land Contamination – GPLC3 – reporting Checklists".*
- Recommendations for further investigation/actions if required.

The scope of works was to undertake a Phase I PRA using available information, and to place the site in its environmental context and has included the following:

- a review of available historic maps to determine the land-use history in the context of potentially contaminative activities;
- a review of environmental data relating to the site and its surroundings using a proprietary third-party environmental database;
- desk-based assessment of site geology, hydrogeology and hydrology from published mapping and web-based sources to determine the site's environmental setting and sensitivity;
- a web-based search of the Environment Agency (EA) website and other freely available sources of information to identify any potential issues relating to the site and surrounding areas; and
- provision of a qualitative contaminated land risk assessment based on Source-Pathway-Receptor as per current best practice contained in CLR11¹.

A site inspection was undertaken by a Sutcliffe engineer – Adrian Lewis, on the 29th May 2020. No sampling or testing of soils or waters will be undertaken as part of this environmental review. All other information in this report has been obtained via public sources.

¹ *Model Procedures for the Management of Contaminated Land*, Contaminated Land Report 11 (CLR11), EA, September 2004

2 Environmental Review

2.1 Introduction

The information presented within this chapter was compiled based on a site inspection, completed by a suitably qualified Sutcliffe Engineer, and a review of an Envirocheck Report (*Report Reference: 243108924*), presented in *Appendix A*.

2.2 Site Location and Setting

The site address is located at Maelor Works, Marchweil, Wrexham, LL13 0UW at National Grid Reference (NGR) 338087, 348086 (*Figure 1*).

The site is approximately 5.22km south east from the centre of Wrexham and is surrounded on its northern and western boundaries by a solar farm, with agricultural land to the east and south. Location plans of varying scales are presented as *Figures 1 & 2* and an Aerial Photograph is presented as *Figure 3*.

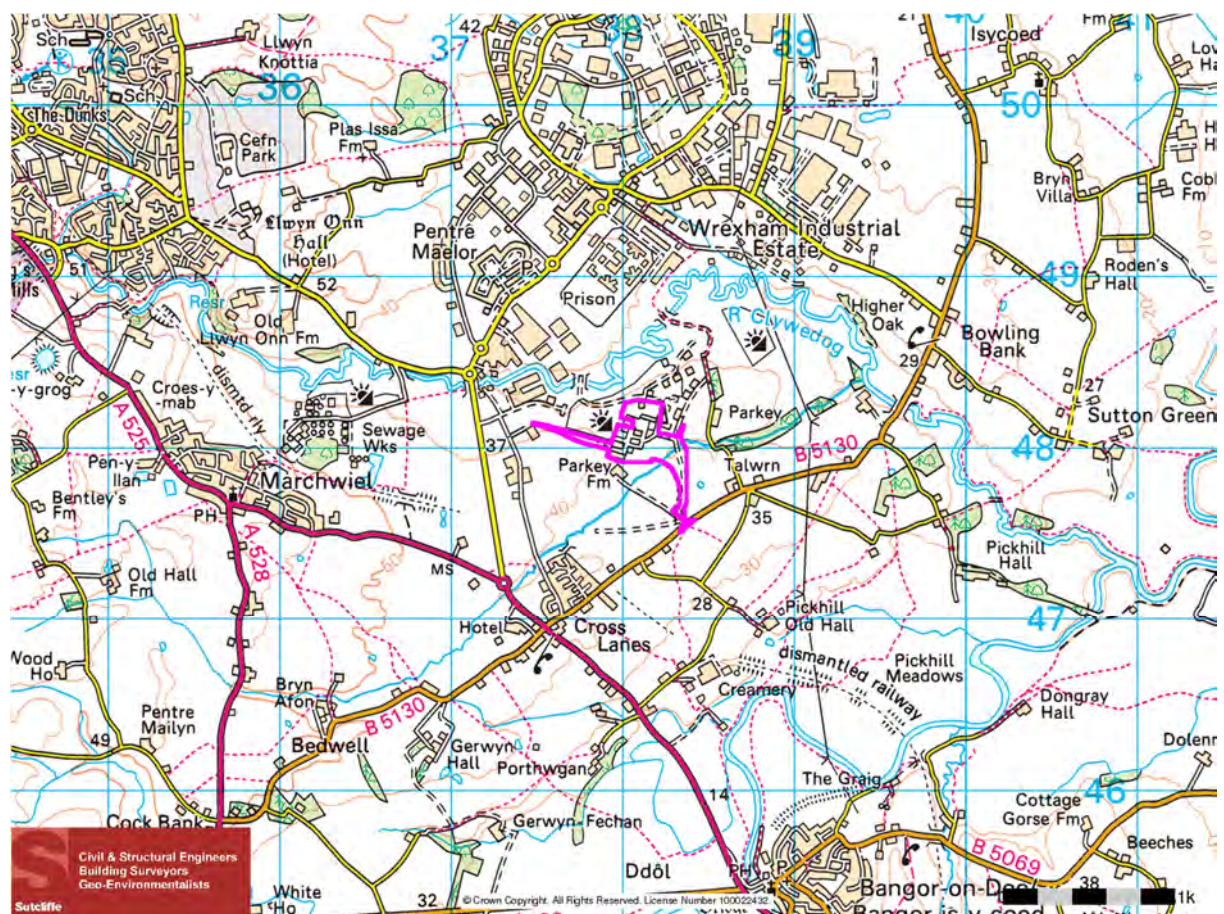


Figure 1: General Location of Site

2.3 Site Description and Walkover

The site is irregular in shape, with the main area of the site being formed of the former National Grid Gas Works. The site is accessed via the B5130 to the south of the site. The site is relatively flat with boundary fences noted around the site area. The site is largely vacant with several unoccupied buildings noted presumably relic structures from when the site was operated as a gas works. However, a proportion of the site is operated by FloGas, a bulk supplier of LPG gas cannisters.

Site usage by FloGas include approximately 2No. buildings and areas allocated for the main supply of gas including Governors for of gas.

A photographic log of the site is presented as *Appendix B*.

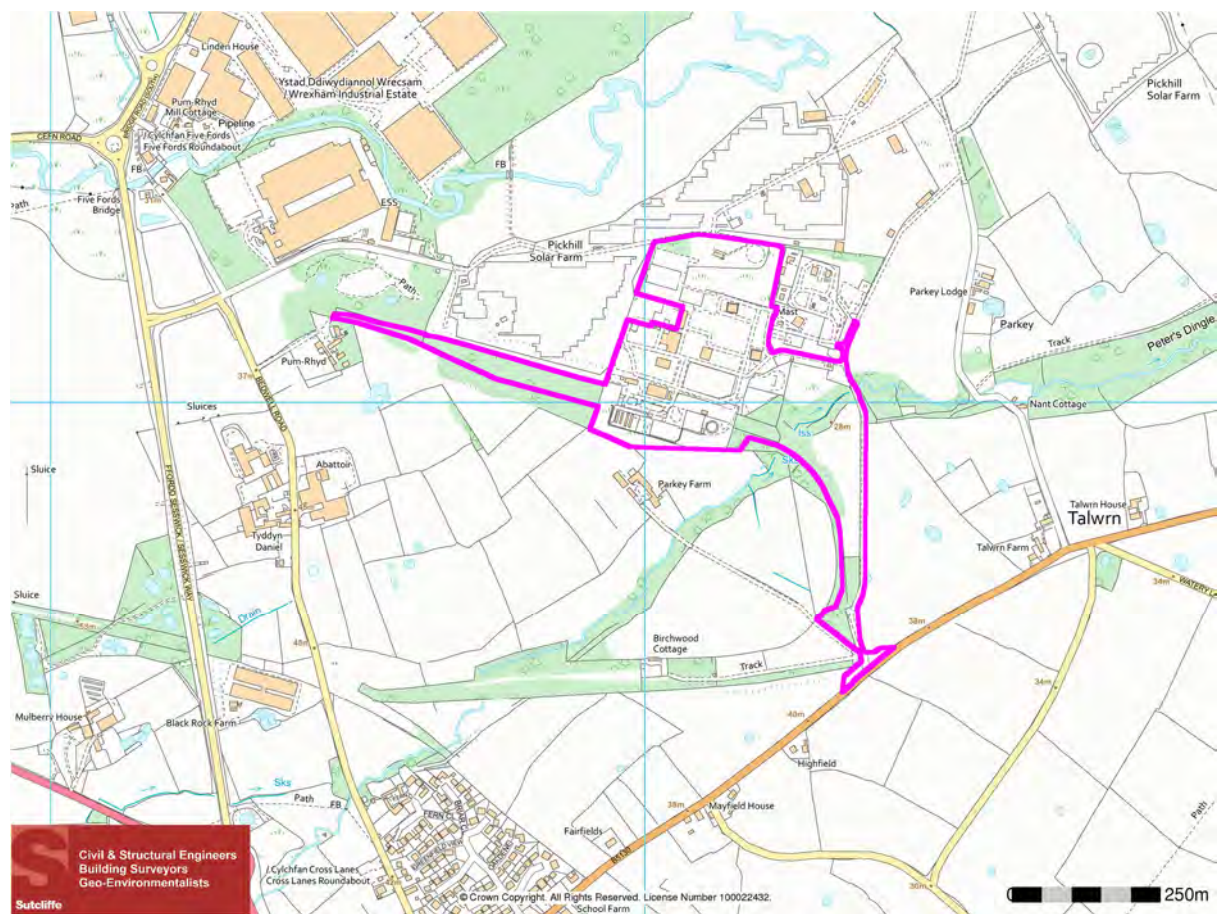


Figure 2: General Site Layout of the Site



Figure 3: Aerial Photograph

2.4 Adjacent Land Uses

Table 2.1 summarises the adjacent land uses.

Table 2.1: Adjacent Land Uses

Direction	Adjacent Land Use
North	Solar Farm
East	Agricultural
South	Agricultural
West	Solar Farm

2.5 Site History

Historical maps were obtained and reviewed by Sutcliffe Investigations to determine the historical development of the target site. These are presented in *Appendix A*. This enabled an assessment to be made of the potential for contamination associated with former activities, both on-site and in the surrounding areas.

Onsite

The site is shown as agricultural land from the earliest mapping available, that was then developed as a small part of the extensive former Royal Ordnance Factory (ROF) Wrexham, the majority of which lay to the north of the site, including the presence of railway lines associated with the factory that ran through the western arm of the site and through the south of the gas works area and turning to the south to run parallel with the entrance road linking with the B5130. While there is a gap in the mapping during this time period it is known that ROF Wrexham was constructed in 1939 for the manufacture of cordite, with the associated development showing on post-war mapping. Following closure of the ROF, the site was redeveloped as a gas works. Following closure of the gasworks in the 1970s, the site has been used for a variety of gas distribution related activities, with some new office buildings constructed over the footprint of the former gasworks. Other parts of the site have been used for the storage of containerised gas (FloGas) and portions of the site have been sold to a separate gas utility company (Wales and West Utilities). Large parts of the northern and south eastern sectors of the site have essentially been disused since the closure of the gasworks operations.

Offsite

The earliest historical mapping indicates that the surrounding area of the site was largely field land with a number of associated farm buildings being noted between 100 – 250m north of the site. The Wrexham & Ellesmere railway line was noted approximately 250m south west of the site from 1899-1964.

Over the following years little change was evident to the east, south and west of the site, with some minor expansion of residential properties noted, with the area remaining largely under agricultural use. The area to the north of the site has seen the most development, with first the construction of ROF Wrexham in the late 1930's followed by Wrexham Industrial Estate being built in its place from the 1960's onwards.

2.6 Environmental Database

A commercial database search (provided by Envirocheck) was obtained to provide further information regarding the site and the surroundings. Relevant information and records are summarised below:

Contaminated Land Entries

The database has no contaminated land entries within 500m of the site.

Environmental Permitted Activities

According to the database there are 4No. Local Authority Integrated Pollution Prevention and Controls or Local Authority Pollution Prevention and Controls within 500m of the site. The nearest of which relates to Wales & West Utilities on site.

Hazardous Substances Sites

According to the database, there are 2No. COMAH-registered sites on site, one relates to British Gas with the record ceased to be supplied under COMAH Regulations and the second relates to FloGas, who are located immediately adjacent to the north east of the site. There is also a record of 1 Planning Hazardous Substances Consents and NIHHS sites on the site, both relate to the former gas works.

Substantiated Pollution Incident Register

According to the database, there have been 3No. substantiated pollution incidents within 500m of the site. The nearest of which is noted as being 240m north of the site, and was recorded on the 28th July 2004, with significant impact to water (Category 2) and no impact (Category 4) to land or air. The pollutant was noted identified. Two other pollution incidents were noted 308m north of the site and 393m north west of the site.

Landfill Sites

According to the Envirocheck Report there are;

- No Registered Landfill sites within 250m of the site.
- No Historic Landfill sites have been noted within 250m of the site.
- No records of BGS/DoE Non-operational Landfill sites have been noted within 250m of the site.
- No records of landfills from Local Authority and Historical mapping records have been noted within 250m of the site.

Infilled Land

A total of 3No. potentially infilled land (water) features have been identified within 250m of the site, the nearest of which is recorded 60m north east of the site and relates to unknown filled ground.

Waste Management Facilities

The database has recorded no Registered Waste Transfer Sites and 1No. Registered Waste Treatment or Disposal Sites within 500m of the site, it is noted 291m north west of the site and relates to Maelor Abattoir for the purpose of incineration.

The database has recorded no Licensed Waste Management Facilities within 500m of the site.

Radioactive Materials

According to the Envirocheck Report there are 2No historic authorisations for radioactive substances on the site, these both relate to National Grid Transco Ltd and have either been revoked or superseded.

Fuel Stations

According to the database there are no petrol or fuel station entries within 500m of the site.

Contemporary Industrial Land Uses

According to the database there are 5No. entries located within 250m of the site. The nearest relates to Flo Gas Plc immediately north east of the site.

Underground Pipelines and Transmission Assets

A search of the Linesearch database was undertaken on 27th May 2020. This database lists pipelines owned and/or operated by over 40 pipeline and transmission operators, but not all operators are registered.

According to the database, National Grid Gas and Wales & West Utilities have assets registered on the site or within a 25m search radius (*Appendix C*).

2.7 Historical Contamination Potential

Site

Historical maps have indicated that the site has historically formed part of ROF Wrexham and was subsequently occupied by a gas works and gas storage facility.

Based on this there is potential for significant contamination to have arisen at the site as a result of the current and former usage on site is considered to be a moderate risk.

Surrounding Area

With the exception of ROF Wrexham no identifiable significant potentially contaminative activities were identified as having taken place in the immediate surrounding area.

Therefore, the potential for off-site sources of contamination to impact the site is considered low.

3 Environmental Setting

3.1 Introduction

Desk-based research of the local geology, hydrogeology, hydrology and ecology was carried out in order to establish the potential for migration of contamination onto or away from the site, and to assess the surface water and groundwater sensitivity of the surrounding area. Information was obtained from a number of sources, namely:

- *inspection of the British Geological Survey (BGS) Geology of Britain Viewer²;*
- *examination of the EA's on-line aquifer classification³;*
- *inspection of the MAGIC interactive map service⁴;*
- *a review of online web-based information searches;*
- *review of previous site investigation reports pertaining to the site; and*
- *a review of publicly available information.*

3.2 Geology & Soils

Soils Chemistry – Rural

The environmental database also presents an estimation of the rural background soil chemistry within the site area.

- Arsenic - <15mg/kg
- Cadmium - <1.8mg/kg
- Chromium – 60-90mg/kg
- Lead - <100mg/kg
- Nickel – 15-30mg/kg

Reference to the data presented suggests that the majority of metals concentrations are generally anticipated to be below current tier 1 assessment criteria in relation to human health effects.

² <http://www.bgs.ac.uk/discoveringGeology/geologyOfBritain/viewer.html>

³ <http://maps.Environment-agency.gov.uk/wiyby/wiybyController>

⁴ <http://magic.defra.gov.uk/>

Artificial Ground

The geology maps indicate that the site is formed of Landscaped Ground (Undivided) across the north and south, with an area of Made Ground (Undivided) noted running through the centre of the site.

Superficial Deposits

The superficial deposits for the site are noted as Devensian Till.

Solid Geology

According to the BGS Geology of Britain Viewer and the relevant British Geological Survey (BGS) Solid and Drift Sheets 121 Wrexham (1993) at a scale of 1:50,000 the following geological succession has been identified (Appendix A).

Table 3.1: Geology

Strata	Description	Age	Rock Type
Solid Geology	Kinnerton Sandstone Formation	Early Triassic	Sandstone
Solid Geology	Salop Formation	Westphalian	Mudstone, Sandstone and Conglomerate

No faults are noted within 500m of the site.

British Geological Society (BGS) Logs / Records

The BGS have recorded no surface mineral workings within a 1km radius of the site.

Ground Stability

Table 3.2 below summarises the natural hazards information presented in the Envirocheck Report.

Table 3.2: Potential Natural Hazards

Natural Hazard	Hazard Potential
Shrink - Swell Clays	Very Low
Landslides	Very Low
Soluble Rocks	Negligible
Compressible Deposits	Negligible
Collapsible Deposits	Very Low
Running Sands	Very Low

3.4 Coal Mining & Brine Subsidence

The site is not in a high-risk development area for coal mining or brine subsidence. The site does however bound the coal mining reporting area. Given the proximity of high-risk development area, the Coal Authority may well be consulted as part of the Planning Process and may in turn request a full assessment of the risk associated with Coal Mining Assets beneath the site area.

3.5 Radon

According to the Envirocheck Report, the site is within an intermediate radon affected area, as 1-3% of homes are above the action level. No radon protection measures are necessary in the construction of new dwellings or extensions.

3.6 Hydrogeology

The Bedrock is classified as a Principal Aquifer across the majority of the development area; these are defined as;

“Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formally classified as minor aquifers”.

A small area of the western end of the site is classified as a Secondary A Aquifer.

The Superficial Deposits are classified as a Secondary Undifferentiated Aquifer. The stratum is defined as;

“Has been 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.”.

The site is located within an Outer Zone (Zone 2) and Total Catchment (Zone 3) Groundwater Source Protection Zone (SPZ).

There are 4No. unique groundwater abstraction points listed in the Envirocheck Report within 2000m of the site. The nearest of which is noted 665m east of the site and relates to Calypso Soft Drinks.

3.7 Hydrology

The following is of note:

- The nearest surface water feature is noted on site which is a stream.
- There are 28 recorded pollution incidents to controlled waters listed in the Envirocheck Report. The nearest is noted as being 145m north east of the site, the pollutant was algae with a water impact of category 3 (minor impact).
- There are 3 surface water abstractions listed within the Envirocheck Report within 2000m of the site. The nearest of which is 1190m south of the site.
- There is 1 biological quality record noted 934m north of the site. This relates to Clywedog (Dee). The biological grade from 2005 – 2007 is A (Very Good) and from 2008 – 2009 B (good).
- There are 4 chemical quality records noted the nearest of which is 62m from the site. All chemical quality records relate to Clywedog and are graded at B from 2000.

3.8 Flood Risk

According to the Envirocheck Report the site is at risk from extreme flooding from rivers or sea without defences.

3.9 Sensitive Land Uses

Ecological Receptors

The Envirocheck database was queried to locate Sites of Special Scientific Interest (SSSI), Special Protection Areas (SPAs), Special Areas of Conservation (SACs), Ramsar Sites, National Nature Reserves, Areas of Outstanding Natural Beauty (AONB), National Parks and Local Nature Reserves within 1km of the site.

- There are no Special Areas of Conservation within 1000m of the site.

- There are no Special Protection Areas within 1000m of the site.
- There are no Ramsar Areas within 1000m of the site.
- There are 19 records of Ancient Woodlands within 1000m of the site. The nearest of which is again 38m from the site.
- There are no Local Nature Reserves within 1000m of the site.

Significance of Environmental Setting

The significance of the environmental setting is considered by Sutcliffe Investigations to be as follows:

- **Groundwater [MODERATE SENSITIVITY]** – The site is situated in an area of moderate sensitivity with respect to groundwater resources due to the presence of a Principal Aquifer and Secondary Undifferentiated Aquifer beneath the site. Along with a source protection zone covering the site and the presence of a number of water abstraction points within 2000m of the site.
- **Surface Water [MODERATE SENSITIVITY]** – With respect to surface water resources, the site is considered to be located in a moderate sensitivity setting, with a surface water course identified on site.
- **Flood Risk [MODERATE SENSITIVITY]** – There is an area at risk of extreme flooding from rivers or sea without defences, this is however localised around the surface water course.
- **Sensitive Land Uses [LOW SENSITIVITY]** – With respect to sensitive land uses such as protected habitats, protected sites, protected buildings and sensitive receptors, the site is considered to be located in a low sensitive setting.

4 Preliminary Qualitative Risk Assessment

4.1 Conceptual Site Model (CSM)

A conceptual model is an essential element of any site-specific environmental risk assessment. In this context, they are often simple representations of the hypothesised relationships between sources, pathways and receptors. For the purpose of this report, a basic conceptual model has been developed based on the principles of CLR11 and interpretation of information gathered during the Phase I review. Thus, this allows the identification of potential contaminant linkages and whether these linkages have the potential to comprise significant harm and/or pollution of controlled waters in relation to the site. Based on this interpretation, the implications for potential liability associated with soil or water contamination at the site can be evaluated.

- **SOURCES** – the identification of contaminants within the soils and groundwater that represent potential pollution sources;
- **PATHWAYS** – the identification of the potential exposure mechanisms and migration pathways from the potential sources; and
- **RECEPTORS** – the identification of the potential receptors that could be sensitive to harm if exposed to these pollution sources.

Collectively, each of these scenarios would be considered a potential pollutant linkage that may require further assessment.

A preliminary conceptual model is presented below (*Table 4.5*) in accordance with the guidance outlined within CLR11.

Identification of Potential Sources

Based on the information from the desk study, historical maps, published information, and a site walkover a summary of potential contaminant sources is provided in *Table 4.1*.

Table 4.1: Potential Sources

Reference	Potential Sources (Onsite)	Potential Contaminants
S1 – Onsite	Former Gas Works/ Gas Storage Facility	All metals, fuel, hydrocarbons & oils, VOCs, SVOCs and localised ground gas.
S2 – Off Site	Former ROF Wrexham	All metals, fuel, hydrocarbons & oils and localised ground gas and cordite.

Potential Exposure Pathways

Exposure pathways are the potential routes and mechanisms by which potential on-site sources could be linked to the identified potential receptors and thereby expose them to potential harm.

The following potential exposure pathways have been identified at the site:

Table 4.2: Potential Pathway

Ref	Pathway	Description
P1	Direct contact with potential contaminants.	Dermal absorption, ingestion and inhalation of contaminants via direct contact.
P2	Ingestion of potential contaminants.	Construction workers may come into contact during the site works, however this will be for a short time and therefore limited exposure will occur. PPE can be used and worn as a precaution to reduce the risk.
P3	Inhalation of potential contaminants.	
P4	Leaching and migration of contaminants.	Leaching of possible contaminants could migrate into the underlying Principal Aquifer via shallow groundwater. On site drainage is also at risk from shallow contamination, if present.
P5	Vertical and lateral migration of ground gases / vapours.	There is the potential for contaminants to be present on the site, which could generate ground gas & vapours on site.

Potential Receptors

Based on the site's environmental setting and the proposed future end use of the area following redevelopment, the following potential receptors have been identified:

Table 4.3: Potential Receptors

Ref	Receptor	Description
R1	Current & future site users	Site users; personnel, general workers and maintenance workers,
R2	Construction Workers	Contractors working on the development of the site. Construction workers, maintenance workers or other personnel who may be directly exposed to contaminated materials in the course of their activities).
R3	Controlled Waters	Principal and Secondary Strata and on site drainage
R4	Adjacent Site Users	Adjacent site users. Third-party land (i.e. the possibility of contamination migrating off-site onto third party land via contaminated groundwater, surface water run-off).
R5	Infrastructure / Buried services	Proposed buildings and buried services

NOTE: ground workers (i.e. If the site was redeveloped, any associated activities may bring site personnel and construction workers into contact with potentially contaminative materials, however, it is considered that the risks to workers will be short term and could be controlled by safe working procedures.

Potential Contaminant Linkages

In order for there to be a plausible contaminant linkage there must be a source, receptor and pathway and a feasible linkage between them (a contaminant linkage). Consequently, even where a contaminant is identified, if there is no pathway for the contamination to reach a receptor, or no receptor then there can be no significant risk and remedial actions are not required. Central to this risk assessment process is the development of a 'conceptual model'. This is a descriptive and/or pictorial representation of the area of potential contamination, the surrounding environment and the processes acting on the contaminants by which they can move and come into contact with receptors (e.g. by leaching and migration into groundwater).

Production of a conceptual model requires an assessment of risk to be made. Risk is a combination of the likelihood of an event occurring and the magnitude of its consequences. Therefore, in order to assess risk both the likelihood and the consequences of an event must be taken into account. This report adopts the

methodology for risk evaluation presented in CIRIA report C552 'Contaminated Land Risk Assessment – A Guide to Good Practice', 2001. The method is qualitative and involves the classification of the following:

- the magnitude of the potential severity or consequence of the risk occurring;
- the magnitude of the likelihood or probability of the risk occurring; and
- once the likelihood of an event occurring and its severity have been classified, a risk category can be assigned using *Table 4.4*

		Table 4.4: Risk Assessment Matrix			
		Consequence			
		Severe	Medium	Mild	Minor
Likelihood of Occurrence	High	Very High	High	Moderate	Moderate/Low
	Likely	High	Moderate	Moderate/Low	Low
	Low	Moderate	Moderate/Low	Low	Very Low
	Unlikely	Moderate/Low	Low	Very Low	Very Low

Sutcliffe has devised a conceptual model based on the information obtained to date through the desk-based study and future residential usage of the site. This is detailed in tabular format in *Table 4.5* and pictorially in *Figure 4*.

Table 4.5: Preliminary Conceptual Site Model									
1. Hazard Identification		2. Hazard Assessment				3. Risk Estimation		4. Risk Evaluation	5. Managing the Risk
Contaminant Source		Pathway		Receptor		Consequence of risk being realised	Probability of risk being realised	Classification	Action required
S1	Potentially contaminated soil on Site	P1	Dermal contact	R1/2	Site users	Medium	Low	Moderate / Low	It is possible that harm could arise to a designated receptor from an identified hazard. Investigation is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term.
		P2	Ingestion of soil / soil dust	R1/2	Site users	Medium	Low	Moderate / Low	
		P3	Inhalation of vapours / soil gas	R1/2	Site users	Severe	Low	Moderate	
		P4	Leaching and migration of contaminants	R3/5	Principal aquifer	Severe	Low	Moderate	
		P5	Lateral migration of soil gas / vapours	R1	Site users	Severe	Low	Moderate	
				R4	Property	Severe	Low	Moderate	
S2	Potentially contaminated soil off Site	P3	Inhalation of vapours / soil gas	R1/2	Site users	Severe	Low	Moderate	
		P4	Leaching and migration of contaminants	R3/5	Principal aquifer	Severe	Low	Moderate	
		P5	Lateral migration of soil gas / vapours	R1	Site users	Severe	Low	Moderate	
				R4	Property	Severe	Low	Moderate	

Potential contaminant linkages that have been identified as moderate or higher will need to be assessed further. This can be in the form of additional research into the actual plausibility of the contaminant linkage or by the actual site measurements. This can be in the form of soil sampling and vapour monitoring to assess the actual conditions.

5 Conclusions and Recommendations

5.1 Introduction

Sutcliffe Investigations were instructed by Clover & Thomas Investments, to provide a Phase I PRA report. The purpose of the report is to generate preliminary environmental assessment data for appraising the site with a future view of a submission with a planning application for redevelopment of the site.

This comprised a review of the Phase I PRA data, collection of environmental information and reports undertaken on the site.

5.2 Environmental Risk Assessment Findings

The site is irregular in shape and is bordered by agricultural land and a solar farm. The site currently consists of a semi - vacant plot of land with the remains of the former gas storage facility still present on site. FloGas operate a proportion of the site for the refilling and distribution of LPG gas canisters.

The development history of the site has identified a potential significant source of environmental concern. The site is underlain by a Principal & Secondary A Aquifer for the bedrock, with a Secondary Undifferentiated Aquifer for the superficial deposits.

Taking the above into account, it is considered that there is a moderate potential for significant contamination to be present, likely to be localised contamination that may represent a risk to long term human health and also with the potential for leaching of contaminants into controlled waters may be present. Consequently, the environmental risk setting for the site is considered to be moderate.

5.3 Classification and Land Use Risk

The classification of risk is as follows:

- Class 1 Area: Potential for High levels of contamination and migration of contamination off the site;
- Class 2 Area: Potential for Medium levels of contamination and migration of contamination off site;
- Class 3 Area: Potential for Low levels of contamination and migration of contamination off site; and
- Class 4 Area: Potential for limited contamination.

The Phase I PRA has highlighted potential significant areas of concern and therefore, the site is deemed to be Class 2 – Medium Risk.

5.3 Geotechnical Uncertainty

The site has been subject to previous development and therefore, the potential for relic foundations and obstructions cannot be discounted.

5.4 Conclusions and Recommendations

Based on the findings of the Phase I PRA review, Sutcliffe Investigations do consider there to be areas of identifiable environmental issues regarding the sites current layout and former and current use. Based on this a plan has been generated following a site visit and based upon a review of the historical information available to identify areas of concern that will need to be targeted for investigation before any future development of the site is to be considered acceptable. This is shown in *Drawing 31013- -SUT-ZZ-00-DR-G-720-0004*.

However, there is limited information of the ground for geotechnical properties and as such we would therefore recommend the following sequential works are undertaken:

- Submission of this Phase I PRA Report for the benefit of validating the outline planning application. The Coal Authority may be consulted as part of the planning process requiring an assessment of risk associated with Coal Mining Assets.
- Commission a Phase II Ground Investigation designed to identify any areas of contamination that may be present in higher risk areas of the site and to provide a general overview of the site with a view to discharge any contaminated land conditions that may be assigned to the site and allow the design of economic foundation solutions.
- Commission a Flood Risk Assessment

Appendix A: Envirocheck Report (*Report Reference: 243108924*)

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

243108924_1_1

Customer Reference:

31013LG

National Grid Reference:

337700, 347710

Slice:

A

Site Area (Ha):

14.3

Search Buffer (m):

1000

Site Details:

Site at
Marchwiell
Wrexham

Client Details:

MR W Baldwin
Sutcliffe Projects Ltd
18-20 Harrington Street
Liverpool
L2 9QA

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	23
Hazardous Substances	25
Geological	26
Industrial Land Use	28
Sensitive Land Use	34
Data Currency	35
Data Suppliers	40
Useful Contacts	41

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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Report Version v53.0

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 3		2	3	13
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 8				4
Local Authority Integrated Pollution Prevention And Control	pg 9			1	
Local Authority Pollution Prevention and Controls	pg 9	1	1	1	
Local Authority Pollution Prevention and Control Enforcements	pg 9			1	
Nearest Surface Water Feature		Yes			
Pollution Incidents to Controlled Waters	pg 9		5	7	8
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances	pg 13	2			
River Quality	pg 13		1		
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points	pg 14				2
Substantiated Pollution Incident Register	pg 15		1	2	
Water Abstractions					
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 16	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 17	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 17	Yes	n/a	n/a	n/a
Source Protection Zones	pg 17	2			1
Extreme Flooding from Rivers or Sea without Defences	pg 17	Yes	Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 17	Yes	Yes	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 18	4	10	10	13

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 23			1	
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 23	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 23		3	3	3
Registered Landfill Sites	pg 23			1	
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 24			1	
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 25	2			
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)	pg 25	1			
Planning Hazardous Substance Consents	pg 25	1			
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 26	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 26	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 26	Yes	n/a	n/a	n/a
Mining Instability			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 26	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 27	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 27	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 27	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 27	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 27	Yes	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 28	1	4	4	4
Fuel Station Entries					
Points of Interest - Commercial Services	pg 29			1	2
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 29	8	5	1	4
Points of Interest - Public Infrastructure	pg 30			9	26
Points of Interest - Recreational and Environmental					
Gas Pipelines	pg 33		1		
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	pg 34		3	2	1
Areas of Adopted Green Belt					
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: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NW (E)	0	1	338250 347850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16NW (NE)	0	1	337950 348250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SE (SE)	0	1	337850 347500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SE (SE)	0	1	337900 347550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SW (N)	0	1	337600 348100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SE (E)	0	1	338350 347950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SE (N)	0	1	337650 348100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16SW (NE)	0	1	338000 348100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A16SE (E)	0	1	338300 347950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A16SE (NE)	0	1	338350 348000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NE (NW)	0	1	337650 347750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SE (N)	0	1	337700 348050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15SE (NE)	0	1	337900 348050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15SE (NE)	0	1	337800 347900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A16SW (E)	0	1	338200 347900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SW (NE)	0	1	338200 347950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NW (E)	0	1	338050 347800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15SW (N)	8	1	337600 348050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A15SW (N)	16	1	337600 348150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SW (NW)	23	1	337550 348050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SE (N)	26	1	337650 348150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A15NE (N)	35	1	337750 348250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A15SE (N)	40	1	337700 348150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NW (W)	70	1	337450 347800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NW (E)	70	1	338150 347800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SW (NW)	94	1	337450 348000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NE (NW)	100	1	337703 347711
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A15SE (N)	100	1	337703 348200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NW (W)	159	1	337350 347700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NW (E)	172	1	338050 347711
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NW (NW)	210	1	337550 347850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A15NE (N)	215	1	337850 348450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NW (E)	223	1	338000 347700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A15NE (N)	240	1	337900 348500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NE (N)	246	1	337703 348400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NE (N)	258	1	337850 348500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16NW (N)	270	1	338000 348550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NW (E)	274	1	337950 347650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NE (N)	285	1	337703 348500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A16NW (NE)	287	1	338250 348550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	318	1	338050 348600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	320	1	338000 348600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A11NE (S)	323	1	337703 347650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NE (SE)	327	1	337900 347600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NE)	345	1	338300 348600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	368	1	338050 348650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NE (SE)	368	1	338300 346950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SE (SE)	383	1	337850 347550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NW (W)	398	1	337400 347711
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15NW (N)	401	1	337550 348550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SE)	411	1	338150 347100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SE (SE)	444	1	337800 347500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(N)	468	1	338100 348750
1	Discharge Consents Operator: Tetra Pak Property Type: Undefined Or Other Location: Maelor Ind Estate Wrexham Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0077201 Permit Version: 1 Effective Date: 24th October 1973 Issued Date: 24th October 1973 Revocation Date: 23rd February 1995 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Clywedog Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A15NE (N)	221	2	337720 348320
2	Discharge Consents Operator: Tetra Pak Wrexham Ltd, Fao D G Jones Property Type: Undefined Or Other Location: Wrexham Tetra Pak Wrexham Ltd. Bedw, Tetra Pak Wrexham Ltd. Bedwell R, Bedwell Road Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0146401 Permit Version: 1 Effective Date: 23rd December 1985 Issued Date: 23rd December 1985 Revocation Date: 21st August 1995 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Clywedog Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A15NW (NW)	246	2	337300 348320

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Discharge Consents Operator: J K Industries Property Type: Civil Engineering Location: Firestone Site Wrexham Ind Estate, Wrexham Ind Estate Wrexham Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0034001 Permit Version: 1 Effective Date: 20th May 1966 Issued Date: 20th May 1966 Revocation Date: 2nd February 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Clywedog Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A15NE (N)	277	2	337790 348430
4	Discharge Consents Operator: Tetra Pack Wrexham Ltd, Fao D G Jones Property Type: Undefined Or Other Location: Wrexham Ind Estate Bedwell Road Mae, Bedwell Road Maelor Estate Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0083701 Permit Version: 1 Effective Date: 1st June 1978 Issued Date: 1st June 1978 Revocation Date: 21st August 1995 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Clywedog Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A15NW (N)	281	2	337470 348430
5	Discharge Consents Operator: Welsh Development Agency Property Type: Undefined Or Other Location: Wrexham Ind. Estate Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0093101 Permit Version: 1 Effective Date: 19th May 1982 Issued Date: 19th May 1982 Revocation Date: 21st June 1996 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Clywedog Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A14NE (NW)	374	2	337200 348400
6	Discharge Consents Operator: Forthminster West Midlands Ltd Property Type: Undefined Or Other Location: Wrexham -Development At Cross Lane, -Development At Cross Lane March, Marchwiell Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0091401 Permit Version: 1 Effective Date: 17th June 1981 Issued Date: 17th June 1981 Revocation Date: 2nd February 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Bedwell Brook (Trib.Of Clywedo) Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A11SE (S)	594	2	337650 347420

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: Forthminster North Wales Ltd Property Type: Undefined Or Other Location: Marchwiel Cross Lanes Bedwell Rd.Ho, Cross Lanes Bedwell Rd.Housing D, Bedwell Rd.Housing Devlpt. Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0085201 Permit Version: 1 Effective Date: 7th February 1979 Issued Date: 7th February 1979 Revocation Date: 2nd February 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Bedwell Brook Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A11SE (S)	630	2	337610 347400
7	Discharge Consents Operator: Wrexham Borough Council Property Type: Sewerage Network - Sewers - Water Company Location: Five Fords Sso Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0005701 Permit Version: 1 Effective Date: 25th November 1968 Issued Date: 25th November 1968 Revocation Date: 5th March 1986 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Clywedog Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A14NW (NW)	630	2	336900 348400
7	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewerage Network - Sewers - Water Company Location: Five Fords Sso Authority: Natural Resources Wales Catchment Area: River Dee Reference: CM0005702 Permit Version: 1 Effective Date: 25th November 1968 Issued Date: 25th November 1968 Revocation Date: 17th November 2003 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Clywedog Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A14NW (NW)	630	2	336900 348400
8	Discharge Consents Operator: Jones G.E. & Co. Property Type: Undefined Or Other Location: Five Fords Farm Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0162701 Permit Version: 1 Effective Date: 27th October 1988 Issued Date: 27th October 1988 Revocation Date: 23rd December 1992 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: To Land Status: Consent expired Positional Accuracy: Located by supplier to within 100m	A14NW (NW)	790	2	336700 348300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works - Water Company Location: Sesswick Stw Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0110101 Permit Version: 3 Effective Date: 14th November 1989 Issued Date: 14th November 1989 Revocation Date: 24th January 1995 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Bedwell Brook Status: Consent expired Positional Accuracy: Located by supplier to within 10m	A11SW (SW)	799	2	337480 347280
9	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works - Water Company Location: Sesswick Stw Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0110101 Permit Version: 2 Effective Date: 30th January 1985 Issued Date: 30th January 1985 Revocation Date: 13th November 1989 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Not Supplied Environment: Receiving Water: Bedwell Brook Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A11SW (SW)	799	2	337480 347280
9	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works - Water Company Location: Sesswick Stw Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0110101 Permit Version: 1 Effective Date: 19th August 1982 Issued Date: 19th August 1982 Revocation Date: 29th January 1985 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Not Supplied Environment: Receiving Water: Bedwell Brook Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A11SW (SW)	799	2	337480 347280
10	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works - Water Company Location: Abenbury Stw Authority: Natural Resources Wales Catchment Area: River Dee Reference: CM0110201 Permit Version: 2 Effective Date: 30th January 1985 Issued Date: 30th January 1985 Revocation Date: 19th April 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Not Supplied Environment: Receiving Water: River Cylwedog Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	A14NW (NW)	918	2	336600 348420

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works - Water Company Location: Abenbury Stw Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0110201 Permit Version: 1 Effective Date: 19th August 1982 Issued Date: 19th August 1982 Revocation Date: 29th January 1985 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Not Supplied Environment: Receiving Water: Cylwedog Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A14NW (NW)	918	2	336600 348420
10	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works Location: Abenbury Wwtw, Cefn Road, Abenbury, Wrexham, LI13 0pa Authority: Natural Resources Wales Catchment Area: CLYWEDOG - DEE TO GWENFRO Reference: Cm0110201 Permit Version: 3 Effective Date: 20th April 2005 Issued Date: 20th April 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Cylwedog Status: Effective Positional Accuracy: Located by supplier to within 10m	A13NE (NW)	957	2	336554 348403
10	Discharge Consents Operator: Dwr Cymru Cyfyngedig Property Type: Sewage Disposal Works Location: Abenbury Wwtw, Cefn Road, Abenbury, Wrexham, LI13 0pa Authority: Natural Resources Wales Catchment Area: CLYWEDOG - DEE TO GWENFRO Reference: Cm0110201 Permit Version: 3 Effective Date: 20th April 2005 Issued Date: 20th April 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Cylwedog Status: Effective Positional Accuracy: Located by supplier to within 10m	A13NE (NW)	957	2	336554 348403
11	Discharge Consents Operator: Robinwood Activity Centre Ltd Property Type: HOLIDAY ACCOM/CAMP SITE/CARAVAN SITE/HOTEL/HOSTEL Location: Residential Activity Centre Development, Bangor Road, Cross Lanes, Wrexham, LI13 0tf Authority: Natural Resources Wales Catchment Area: CLYWEDOG - DEE TO GWENFRO Reference: Cg0417501 Permit Version: 3 Effective Date: 1st January 2018 Issued Date: 23rd October 2017 Revocation Date: Not Supplied Discharge Type: Sewage And Trade Combined - Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: Bedwell Brook Status: Effective Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	988	2	337326 347147

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Integrated Pollution Prevention And Control Name: Black Rock Farm Poultry Unit Location: Cross Lanes, Wrexham, Wrexham, LL13 0TF Authority: Natural Resources Wales Permit Reference: AB3190ZZ Original Permit Ref: Cp3437wx Effective Date: 31st January 2018 Status: Effective Application Type: Bespoke App. Sub Type: Not Supplied Positional Accuracy: Located by supplier to within 10m Activity Code: 6.9 A(1) (A) (I) Activity Description: Not Supplied Primary Activity: Y	A11SW (SW)	629	2	337343 347526
13	Integrated Pollution Prevention And Control Name: Maelor Foods Limited Location: Maelor Foods Limited, Pickhill Lane, Cross Lanes, Wrexham, Wrexham, LL13 0UE Authority: Natural Resources Wales Permit Reference: AB3591ZQ Original Permit Ref: Not Supplied Effective Date: 29th August 2017 Status: Effective Application Type: Bespoke App. Sub Type: Not Supplied Positional Accuracy: Located by supplier to within 10m Activity Code: 6.8 PART A (1) D) (I) Activity Description: Not Supplied Primary Activity: N Activity Code: 6.8 A(1) (B) Activity Description: Not Supplied Primary Activity: Y Activity Code: 5.4 PART A (1) A) (I) Activity Description: Not Supplied Primary Activity: N	A8SE (SE)	833	2	338542 346706
14	Integrated Pollution Prevention And Control Name: The First Milk Cheese Company Ltd Location: Sdi Plant, The First Milk Cheese Company Ltd, Sdi Plant, Pickhill Lane, Cross Lanes, Wrexham, LL13 0UE Authority: Natural Resources Wales Permit Reference: VP3837FV Original Permit Ref: Up3031lw Effective Date: 9th February 2012 Status: Surrender Effective Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Automatically positioned to the address Activity Code: 6.8 A(1) (D) (I) Activity Description: Animal Vegetable & Food; Treating Etc Animal Raw Materials (Not Milk) For Food >75T/D Primary Activity: Y Activity Code: 5.3 A(1) (C) (I) Activity Description: Other Waste Disposal; Non-Hazardous Waste >50T/D By Biological Treatment Primary Activity: N	A8SE (SE)	874	2	338612 346684
14	Integrated Pollution Prevention And Control Name: The First Milk Cheese Company Ltd Location: Maelor Creamery, Pickhill Lane, Cross Lanes, Wrexham, Clwyd, LL13 0UE Authority: Natural Resources Wales Permit Reference: UP3031LW Original Permit Ref: Up3031lw Effective Date: 10th January 2008 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 5.3 A(1) (C) (I) Activity Description: Other Waste Disposal; Non-Hazardous Waste >50T/D By Biological Treatment Primary Activity: N Activity Code: 6.8 A(1) (D) (I) Activity Description: Animal Vegetable & Food; Treating Etc Animal Raw Materials (Not Milk) For Food >75T/D Primary Activity: Y	A8SE (SE)	874	2	338612 346684

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	Local Authority Integrated Pollution Prevention And Control Name: Animal Waste Services Ltd Location: Tyddyn Daniel, Bedwell Road, Marchwiel, Wrexham, LI13 0ts Authority: Wrexham County Borough Council, Environmental Health Department Permit Reference: WCBC/IPPC/07/AWS Dated: Not Supplied Process Type: Waste Management Description: Incinerator Status: Permit Issued Positional Accuracy: Manually positioned to the address or location	A11NW (W)	361	3	337371 347795
16	Local Authority Pollution Prevention and Controls Name: Wales & West Utilities Location: Maelor Office, Marchwiel, Wrexham, LI13 0uw Authority: Wrexham County Borough Council, Environmental Health Department Permit Reference: Wcbc/Dcl/01/00 Dated: 20th April 1998 Process Type: Local Authority Air Pollution Control Description: PG1/15 Odourising natural gas & liquified petroleum gas Status: Authorised Positional Accuracy: Manually positioned to the address or location	A16SW (NE)	0	3	338109 348133
17	Local Authority Pollution Prevention and Controls Name: Tetra Pak (Wrexham) Limited Location: Bedwell Road, Cross Lanes, WREXHAM, Clwyd, LL13 0UT Authority: Wrexham County Borough Council, Environmental Health Department Permit Reference: WCBC-PG6-17-TP(V3) Dated: 13th January 1994 Process Type: Local Authority Air Pollution Control Description: PG6/17 Printing of flexible packaging Status: Authorised Positional Accuracy: Manually positioned to the address or location	A15NW (NW)	169	3	337400 348300
18	Local Authority Pollution Prevention and Controls Name: Animal Waste Services Ltd Location: Tyddyn Daniel, Marchwiel, WREXHAM, Clwyd, LL13 0TS Authority: Wrexham County Borough Council, Environmental Health Department Permit Reference: WCBC/IPPC/07/AWS Dated: 3rd October 1996 Process Type: Local Authority Air Pollution Control Description: PG5/3 Animal carcase incineration processes under 1 tonne an hour Status: Application exempt from APC Positional Accuracy: Automatically positioned to the address	A11NW (W)	360	3	337372 347796
19	Local Authority Pollution Prevention and Control Enforcements Location: Tyddyn Daniel, Bedwell Road, Marchwiel, Wrexham, LI13 0ts Type: Air Pollution Control Enforcement Notice Reference: WCBC/IPPC/07/AWS Date Issued: 26th March 2007 Enforcement Date: Not Supplied Details: Not Supplied Positional Accuracy: Manually positioned to the address or location	A11NW (W)	361	3	337371 347795
	Nearest Surface Water Feature	A16SE (NE)	0	-	338345 348017
20	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Algae Note: Not Supplied Incident Date: 14th May 1996 Incident Reference: 28418 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A11NE (NE)	145	4	337900 347800
21	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Bedwell Road Authority: Environment Agency, Welsh Region Pollutant: Oils - Diesel (Including Agricultural) Note: Not Supplied Incident Date: 26th February 1996 Incident Reference: 27898 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A15SW (NW)	179	4	337300 348100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Parkey Lodge Farm, Pickhill, WREXHAM Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Pond; Natural Occurrence Incident Date: 22nd August 1997 Incident Reference: 33287 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Natural Causes Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A16SE (NE)	204	4	338550 348200
23	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Fairfield Meat Factory Authority: Environment Agency, Welsh Region Pollutant: Sewage - Treated Effluent Note: Not Supplied Incident Date: 4th April 1996 Incident Reference: 27804 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (E)	224	4	338000 347700
24	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Tetra, Pac Factory Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 6th June 1996 Incident Reference: 28661 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A15NW (NW)	233	4	337300 348300
24	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewerage Location: Tetrapak Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Mechanical Failure Incident Date: 28th August 1995 Incident Reference: 25516 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A15NW (NW)	264	4	337300 348345
24	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewerage Location: Tetrapak Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Mechanical Failure Incident Date: 27th August 1995 Incident Reference: 25515 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A15NW (NW)	268	4	337300 348350
25	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Grounds Of Tetra Pak, WREXHAM Authority: Environment Agency, Welsh Region Pollutant: Crude Sewage Note: Blockage; Afon Clywedog Incident Date: 25th June 1998 Incident Reference: 36160 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NE (NW)	273	4	337250 348300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Bedwell Road Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Poor Management Incident Date: 21st April 1997 Incident Reference: 31934 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A11NW (W)	339	4	337300 347850
27	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Upstream Of, Teif Terrace Authority: Environment Agency, Welsh Region Pollutant: Sewage - Septic Tank Effluent Note: Blocked Sewer Incident Date: 17th June 1996 Incident Reference: 28685 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NE (NW)	373	4	337250 348445
27	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Other Location: Up Stream Of, Tetrapack Authority: Environment Agency, Welsh Region Pollutant: Sewage - Septic Tank Effluent Note: Blocked Sewer Incident Date: 17th June 1996 Incident Reference: 28685 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NE (NW)	377	4	337250 348450
28	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Marchwiell At, Side Of Layby, WREXHAM Authority: Environment Agency, Welsh Region Pollutant: Miscellaneous - Fire water / Foam Note: Accidental Spillage/Leakage Incident Date: 20th September 1996 Incident Reference: 29996 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (W)	495	4	337000 348000
29	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Other Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Sewage - Septic Tank Effluent Note: Inadequate Design/Capacity Incident Date: 14th August 1991 Incident Reference: 3123 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A11SE (S)	592	4	337700 347400
30	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: Bridge Road, Industrial Estate Authority: Environment Agency, Welsh Region Pollutant: Miscellaneous - Fire water / Foam Note: Not Supplied Incident Date: 7th November 1995 Incident Reference: 26679 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A11SW (SW)	687	4	337500 347400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Rear Of, Glan Yr Afon Cottage Authority: Environment Agency, Welsh Region Pollutant: Mud/Clay/Soil Note: Afon Clywedog Incident Date: 19th March 1998 Incident Reference: 35143 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (NW)	817	4	336700 348400
32	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Dairy Crest Authority: Environment Agency, Welsh Region Pollutant: Chemicals - Other Organic Note: Mechanical Failure Incident Date: 1st May 1991 Incident Reference: 2927 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Bypass Of Treatment Facilities Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8SE (SE)	889	4	338550 346650
32	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, Welsh Region Pollutant: Coal Solids Note: Mechanical Failure Incident Date: 24th April 1991 Incident Reference: 2674 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Bypass Of Treatment Facilities Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8SE (SE)	894	4	338550 346645
33	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Dairy Crest, Pick Hill, MARCHWIEL Authority: Environment Agency, Welsh Region Pollutant: Oils - Petrol Note: Accidental Spillage/Leakage Incident Date: 13th October 1991 Incident Reference: 2080 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Burst Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (SE)	927	4	338500 346600
34	Pollution Incidents to Controlled Waters Property Type: Process Location: Dairy Crest Authority: Environment Agency, Welsh Region Pollutant: Farm Effluent/Slurry Note: Blocked Sewer Incident Date: 27th June 1992 Incident Reference: 4374 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Leakage Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8SE (SE)	950	4	338600 346600
35	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Adjacent To Cross Lanes Pub Authority: Environment Agency, Welsh Region Pollutant: Sewage Fungus Note: Bedwell Brook; Effluent Quality Incident Date: 24th September 1997 Incident Reference: 33760 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Inadequate Design/Capacity Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	975	4	337350 347150

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	Registered Radioactive Substances Name: National Grid Transco Ltd Location: North East Wales District Office, Marchwiel, WREXHAM, Clwyd, LL13 0UW Authority: Natural Resources Wales Permit Reference: AY8590 Dated: 15th July 1997 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Initial variation to an authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Automatically positioned to the address	A16SW (NE)	0	2	338109 348133
36	Registered Radioactive Substances Name: National Grid Transco Ltd Location: North East Wales District Office, Marchwiel, WREXHAM, Clwyd, LL13 0UW Authority: Natural Resources Wales Permit Reference: AW9498 Dated: 13th March 1997 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A16SW (NE)	0	2	338109 348133
	River Quality Name: Clywedog GQA Grade: River Quality B Reach: Conf.Redwither Bk. - O/F Five Fords Stw Estimated Distance (km): 4.8 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	A15NE (N)	62	4	337666 348269

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	River Quality Chemistry Sampling Points Name: Clywedog Reach: Confluence Redwither Brook To Overflow Five Fords Sewage Treatment Works Estimated Distance: 4.80 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied	A14NW (NW)	824	4	336710 348450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	River Quality Chemistry Sampling Points Name: Clywedog Reach: Outfall 5 Fords Sewage Treatment Works To Confluence Gwenfro Kings Mill Estimated Distance: 2.20 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied	A14NW (NW)	824	4	336710 348450
38	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 28th July 2004 Incident Reference: 254208 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Pollutant Not Identified: Not Identified	A15NW (N)	240	2	337560 348380
39	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 20th May 2004 Incident Reference: 238220 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Pollutant Not Identified: Not Identified	A15NW (N)	308	2	337410 348450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	Substantiated Pollution Incident Register Authority: Natural Resources Wales Incident Date: 10th December 2010 Incident Reference: 843517 Water Impact: Category 2 - Significant Incident Air Impact: Category 3 - Minor Incident Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Agricultural Materials And Wastes: Other Agricultural Material Or Waste	A14NE (NW)	393	2	337152 348369
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined: Low Vulnerability: Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial: >90% Patchiness: Superficial: >10m Thickness: Superficial: Low Recharge:	A11NE (NW)	0	2	337703 347711
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined: Low Vulnerability: Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Intergranular Dilution: 300-550 mm/year Baseflow Index: <40% Superficial: >90% Patchiness: Superficial: >10m Thickness: Superficial: Low Recharge:	A12NW (E)	0	2	338000 347711
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined: Low Vulnerability: Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial: >90% Patchiness: Superficial: >10m Thickness: Superficial: Low Recharge:	A15SE (N)	0	2	337703 348000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined: Low Vulnerability: Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial: >90% Patchiness: Superficial: >10m Thickness: Superficial: Low Recharge:	A15SW (NW)	0	2	337546 348000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	A16SW (NE)	0	2	338000 348000
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A11NE (NW)	0	2	337703 347711
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A11NW (NW)	0	2	337452 347865
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A11NE (NW)	0	2	337703 347711
41	Source Protection Zones Name: Not Supplied Source: Natural Resources Wales Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A11NE (NW)	0	2	337703 347711
42	Source Protection Zones Name: Not Supplied Source: Natural Resources Wales Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A11NE (NW)	0	2	337703 347711
43	Source Protection Zones Name: Not Supplied Source: Natural Resources Wales Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	(N)	765	2	338231 349036
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A11NE (S)	0	2	337740 347565
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A15SE (N)	60	2	337675 348210
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A11NE (S)	0	2	337745 347565
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A15SE (N)	86	2	337675 348215
	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
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A16SW (E)	0	5	338219 347907
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 120.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A16SW (NE)	0	5	338251 347953
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A16SE (NE)	0	5	338345 348017
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 236.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A16SE (NE)	0	5	338356 348021
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A12NW (E)	20	5	338182 347879
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 69.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A12NW (E)	41	5	338217 347714
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A12NW (E)	47	5	338172 347864
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 698.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A11SE (S)	58	5	337752 347555
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A12NW (E)	58	5	338172 347864

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 83.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A12NW (E)	108	5	338192 347795
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1631.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 1	A15NE (N)	129	5	337660 348314
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A16SE (E)	189	5	338557 348007
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 550.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A16SE (E)	195	5	338563 348011
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 115.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A14NE (NW)	243	5	337252 348241
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 80.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 1	(NE)	314	5	338269 348577
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 92.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A14NE (NW)	380	5	337202 348410
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 1	A14NE (NW)	380	5	337202 348410
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 255.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 1	A14NE (NW)	383	5	337162 348377

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 1	A14NE (NW)	383	5	337188 348401
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A14NE (NW)	472	5	337137 348477
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A11NW (W)	477	5	337411 347668
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A11NW (W)	483	5	337402 347664
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A11NW (W)	485	5	337398 347662
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 274.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A14NE (NW)	496	5	337120 348493
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A11SE (S)	539	5	337689 347462
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 2	A14NE (NW)	540	5	336988 348376
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 1	A14NE (NW)	540	5	336986 348375

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	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: Dee Primacy: 1	A11NW (W)	542	5	337321 347621
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 223.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A11SE (S)	542	5	337688 347460
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1127.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 1	A14NE (NW)	550	5	336988 348400
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 134.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A11SW (SW)	704	5	337529 347362
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A11SW (SW)	704	5	337530 347361
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A11SW (SW)	761	5	337498 347314
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 561.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A11SW (SW)	763	5	337496 347313
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 95.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A11SW (SW)	783	5	337397 347340
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 251.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A11SW (SW)	830	5	337276 347335

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	A11SW (SW)	830	5	337304 347322

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	Historical Landfill Sites Licence Holder: Mr Bryan Griffiths Location: School Farm, Wrexham, Cross Lanes Name: Cross Lanes Landfill Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD14769 First Input Date: 31st December 1980 Last Input Date: 1st October 1981 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 6955/0064 BGS Ref: Not Supplied Other Ref: WMBC L/31	A7NE (SE)	481	2	337937 347210
	Local Authority Landfill Coverage Name: Wrexham County Borough Council - Has supplied landfill data		0	6	337703 347711
82	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A16SW (NE)	60	11	338281 348207
83	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A15SE (N)	67	11	337761 347968
84	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A16NE (NE)	115	11	338339 348295
85	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A15SW (NW)	268	11	337347 347905
86	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A11NW (W)	323	11	337311 347862
87	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A11NW (W)	404	11	337396 347745
88	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1881	A11SE (S)	540	11	337868 347234
89	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A7NE (S)	739	11	337714 347104
90	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A11SE (S)	741	11	337643 347240
91	Registered Landfill Sites Licence Holder: B Griffiths Licence Reference: L31 Site Location: School Farm, Cross Lane, Marchwiel, Wrexham, Clwyd Licence Easting: 338050 Licence Northing: 347100 Operator Location: As Site Address Authority: Environment Agency Wales, North Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st December 1980 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Hardcore, Concrete, Builders Rubble Soil, Clay	A8NW (SE)	498	4	338050 347100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	Registered Waste Treatment or Disposal Sites Licence Holder: E Clutton & Sons Licence Reference: L54A Site Location: Maelor Abattoir Tyddyn Daniel, Bedwell Road, Marchwiel, Wrexham, Clwyd Operator Location: As Site Address Authority: Environment Agency Wales, North Area Site Category: Incineration Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Site now IPC authorisedAuthorised Dated: 1st July 1990 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Small Pets, Farm Animals & Offal	A11NW (NW)	291	4	337450 347850

Hazardous Substances

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
93	Control of Major Accident Hazards Sites (COMAH) Name: British Gas Location: Maelor Works, Wrexham Industrial Estate, WREXHAM, Clwyd, LL13 0UW Reference: Not Supplied Type: Upper Tier Status: Record Ceased To Be Supplied Under COMAH Regulations Positional Accuracy: Automatically positioned to the address	A16SW (NE)	0	7	338109 348133
93	Control of Major Accident Hazards Sites (COMAH) Name: Flogas Britain Limited Location: Maelor Works, Marchwiel, Wrexham, Clwyd, LL13 0UW Reference: Not Supplied Type: Lower Tier Status: Active Positional Accuracy: Automatically positioned to the address	A16SW (NE)	0	7	338109 348133
94	Notification of Installations Handling Hazardous Substances (NIHHS) Name: British Gas (Wales) PLC Location: Maelor Gas Works, Wrexham Industrial Estate, WREXHAM, Clwyd, LL13 0UW Status: Not Active Positional Accuracy: Automatically positioned to the address	A16SW (NE)	0	7	338109 348128
95	Planning Hazardous Substance Consents Name: British Gas Plc Location: Maelor Gas Works, Marchwiel Authority: Wrexham County Borough Council, Planning Department Application Ref: 6/0002/0934 Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 51.4 Application date: 30th November 1992 Decision: Deemed Consent Granted Positional Accuracy: Manually positioned to the address or location	A16SW (NE)	0	8	338043 348106

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Permian Rocks (Undifferentiated)	A11NE (NW)	0	1	337703 347711
	BGS 1:625,000 Solid Geology Description: Warwickshire Group	A11NW (NW)	0	1	337452 347861
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11NE (NW)	0	1	337703 347711
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A16NW (N)	131	1	338000 348500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A16NE (NE)	303	1	338320 348551
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NE (SE)	507	1	338345 346909
	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.	A11NE (NW)	0	9	337703 347711
	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	A11NE (NW)	0	1	337703 347711
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	14	1	338371 348022

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	55	1	337669 348237
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15SE (N)	0	1	337775 348004
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (NW)	0	1	337703 347711
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	19	1	338378 348018
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	62	1	337760 348270
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	207	1	337382 347875
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (NW)	0	1	337703 347711
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (NW)	0	1	337703 347711
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12NW (E)	0	1	338261 347821
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A15SE (N)	0	1	337652 348085
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (NW)	0	1	337703 347711
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	19	1	338378 348018
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	62	1	337760 348270
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A16NW (NE)	92	1	338068 348372
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (NW)	0	1	337703 347711
	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	A11NE (NW)	0	1	337703 347711
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A11NW (NW)	0	1	337550 347851
	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	A11NE (NW)	0	1	337703 347711
	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	A11NW (NW)	0	1	337550 347851

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	Contemporary Trade Directory Entries Name: Flo Gas Plc Location: Maelor Works, Marchwiel, Wrexham, LL13 0UW Classification: Gas Suppliers Status: Active Positional Accuracy: Automatically positioned to the address	A16SW (NE)	0	-	338109 348133
97	Contemporary Trade Directory Entries Name: Mita Logistics Location: Wrexham Industrial Estate, Bedwell Road, Cross Lanes, Wrexham, Clwyd, LL13 0UT Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A15NW (NW)	161	-	337455 348309
97	Contemporary Trade Directory Entries Name: Tetra Pak Ltd Location: Bedwell Road, Cross Lanes, Wrexham, Clwyd, LL13 0UT Classification: Packaging Materials Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A15NW (NW)	161	-	337455 348309
97	Contemporary Trade Directory Entries Name: Tetra-Pak Location: Bedwell Road, Cross Lanes, Wrexham, Clwyd, LL13 0UT Classification: Packaging & Wrapping Equipment & Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A15NW (NW)	161	-	337455 348309
97	Contemporary Trade Directory Entries Name: Tetra Pak Ltd Location: Bedwell Road, Cross Lanes, Wrexham, Clwyd, LL13 0UT Classification: Packaging & Wrapping Equipment & Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A15NW (NW)	161	-	337455 348309
98	Contemporary Trade Directory Entries Name: Secanim Location: Bedwell Road, Cross Lanes, Wrexham, LL13 0TS Classification: Animal By-Products Status: Active Positional Accuracy: Automatically positioned to the address	A15SW (NW)	270	-	337336 347909
99	Contemporary Trade Directory Entries Name: Farmers Fresh Wales Location: Maelor Abattoir, Bedwell Road, Cross Lanes, Wrexham, LL13 0TS Classification: Abattoirs Status: Active Positional Accuracy: Automatically positioned to the address	A11NW (NW)	298	-	337445 347844
99	Contemporary Trade Directory Entries Name: Fairfield Meat Company Location: Maelor Abattoir, Bedwell Road, Cross Lanes, Wrexham, LL13 0TS Classification: Abattoirs Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NW (NW)	298	-	337445 347844
100	Contemporary Trade Directory Entries Name: Cluttons Animal By-Products Ltd Location: Bedwell Road, Cross Lanes, Wrexham, Clwyd, LL13 0TS Classification: Animal By-Products Status: Inactive Positional Accuracy: Automatically positioned to the address	A11NW (W)	327	-	337386 347826
101	Contemporary Trade Directory Entries Name: Lloyd Frazer Ltd Location: Pickhill Lane, Cross Lanes, Wrexham, Clwyd, LL13 0UE Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A8SE (SE)	740	-	338545 346803
102	Contemporary Trade Directory Entries Name: Rent A Ramp Location: Linden Lea, Bedwell Road, Cross Lanes, Wrexham, Clwyd, LL13 0TR Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (S)	796	-	337655 347092

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
103	Contemporary Trade Directory Entries Name: First Milk Cheese Co Location: Maelor Creamery, Pickhill Lane, Cross Lanes, Wrexham, Clwyd, LL13 0UE Classification: Dairies Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (SE)	874	-	338612 346684
104	Contemporary Trade Directory Entries Name: Humphreys & Williams Location: Malan, Cross Lanes, Wrexham, Clwyd, LL13 0TN Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (S)	907	-	337634 346932
105	Points of Interest - Commercial Services Name: F Lloyd (Penley) Ltd Location: Five Fords Cottage Cefn Road, Abenbury, Wrexham, LL13 0PA Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14NE (NW)	364	10	337191 348374
106	Points of Interest - Commercial Services Name: Rent a Ramp Location: Linden Lea, Bedwell Road, Cross Lanes, Wrexham, LL13 0TR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (S)	797	10	337654 347092
107	Points of Interest - Commercial Services Name: Lloyd Frazer Ltd Location: Pickhill Lane, Cross Lanes, Wrexham, LL13 0UE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SE (SE)	923	10	338430 346593
108	Points of Interest - Manufacturing and Production Name: Tank Location: LL13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A16SW (NE)	0	10	337977 347968
108	Points of Interest - Manufacturing and Production Name: Tank Location: LL13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A16SW (NE)	0	10	337969 347968
108	Points of Interest - Manufacturing and Production Name: Tank Location: LL13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A16SW (NE)	0	10	337961 347973
108	Points of Interest - Manufacturing and Production Name: Tank Location: LL13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A16SW (NE)	0	10	337956 347981
108	Points of Interest - Manufacturing and Production Name: Tanks Location: LL13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A16SW (NE)	0	10	337952 347956
109	Points of Interest - Manufacturing and Production Name: Tank Location: LL13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A16NW (NE)	0	10	338055 348238
109	Points of Interest - Manufacturing and Production Name: Williams Farm - Solar Photovoltaics (DECC) Location: Williams Farm, Maelor Gas Works, Marchwiell, Wrexham, LL13 Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to address or location	A16NW (NE)	23	10	338006 348290

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	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	A16SW (NE)	0	10	337987 348105
110	Points of Interest - Manufacturing and Production Name: Works Location: LL13 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A16SW (NE)	0	10	337978 348103
111	Points of Interest - Manufacturing and Production Name: G N Jones Location: Parkey Farm, Cross Lanes, Wrexham, LL13 0UA Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A12NW (E)	93	10	338023 347831
112	Points of Interest - Manufacturing and Production Name: Tanks Location: LL13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15NW (N)	130	10	337487 348279
113	Points of Interest - Manufacturing and Production Name: Tanks Location: LL13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (NW)	246	10	337372 347917
113	Points of Interest - Manufacturing and Production Name: Tank Location: LL13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A15SW (NW)	249	10	337377 347912
113	Points of Interest - Manufacturing and Production Name: Tank Location: LL13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A15SW (NW)	251	10	337375 347910
114	Points of Interest - Manufacturing and Production Name: Tanks Location: LL13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SE (SE)	723	10	338541 346820
115	Points of Interest - Manufacturing and Production Name: Tank Location: LL13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A11SW (SW)	818	10	337460 347271
115	Points of Interest - Manufacturing and Production Name: Tank Location: LL13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A11SW (SW)	818	10	337462 347269
115	Points of Interest - Manufacturing and Production Name: Tanks Location: LL13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11SW (SW)	820	10	337456 347271
116	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A15SW (NW)	256	10	337275 347980

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
116	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SE (NW)	272	10	337257 347977
116	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SE (NW)	281	10	337248 347974
117	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SE (NW)	319	10	337208 347965
117	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SE (NW)	343	10	337182 347961
117	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SE (NW)	368	10	337156 347955
117	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SE (NW)	382	10	337142 347952
117	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SE (NW)	392	10	337133 347948
117	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10NE (W)	413	10	337170 347862
118	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SE (NW)	505	10	336971 348180
119	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10NE (W)	512	10	337130 347762
120	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10NE (W)	567	10	336970 347881
121	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SW (W)	611	10	336878 348008

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NW (NW)	612	10	336886 348308
122	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NW (NW)	618	10	336879 348308
123	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10NE (W)	667	10	336986 347687
123	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10NE (W)	709	10	336947 347666
124	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SW (W)	700	10	336814 347907
124	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SW (W)	761	10	336746 347920
124	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SW (W)	768	10	336739 347920
125	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NW (NW)	723	10	336766 348286
125	Points of Interest - Public Infrastructure Name: Sluices Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NW (NW)	725	10	336782 348357
125	Points of Interest - Public Infrastructure Name: Sluices Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NW (NW)	736	10	336771 348356
125	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NW (NW)	742	10	336756 348327
126	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SW (NW)	746	10	336729 348175

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
127	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10NW (W)	792	10	336887 347609
128	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10NW (W)	890	10	336782 347582
129	Points of Interest - Public Infrastructure Name: Slurry Lagoon Location: LL13 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A13NE (NW)	900	10	336590 348310
130	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10NW (W)	915	10	336687 347674
130	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10NW (W)	938	10	336643 347706
130	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10NW (W)	944	10	336637 347705
130	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10NW (W)	948	10	336615 347740
130	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10NW (W)	951	10	336611 347742
131	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13SE (W)	963	10	336512 348104
131	Points of Interest - Public Infrastructure Name: Sluice Location: LL13 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A13SE (W)	998	10	336482 348038
132	Gas Pipelines Name: FM04 - Shocklach to Maelor Nat Grid: Owned By National Grid Diameter (mm): 450 Building Proximity: 39 Distance (m): Status: Active Pipe Length (m): 6285.9 Pipe Number: Feeder 4	A16SE (E)	1	11	338414 347980

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
133	Ancient Woodland Name: Not Supplied Reference: 30644 Area(m²): 4673.51 Type: Ancient and Semi-Natural Woodland	A12NW (E)	38	2	338048 347780
134	Ancient Woodland Name: Not Supplied Reference: 33342 Area(m²): 3117.23 Type: Ancient and Semi-Natural Woodland	A16SE (E)	55	2	338432 347972
135	Ancient Woodland Name: Not Supplied Reference: 30643 Area(m²): 6475.94 Type: Ancient and Semi-Natural Woodland	A11NE (SE)	147	2	337869 347588
136	Ancient Woodland Name: Not Supplied Reference: 33343 Area(m²): 13754.78 Type: Ancient and Semi-Natural Woodland	(E)	274	2	338644 347989
137	Ancient Woodland Name: Not Supplied Reference: 37158 Area(m²): 2562.42 Type: Restored Ancient Woodland Site	A11SE (SE)	381	2	337789 347542
138	Ancient Woodland Name: Not Supplied Reference: 33344 Area(m²): 4355.22 Type: Ancient and Semi-Natural Woodland	(E)	740	2	339092 348212

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Wrexham County Borough Council - Public Protection Department	April 2016	Annually
Discharge Consents Natural Resources Wales Environment Agency - Welsh Region	April 2020 August 2014	Quarterly Quarterly
Enforcement and Prohibition Notices Environment Agency - Welsh Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - Welsh Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - Welsh Region Natural Resources Wales	April 2020 April 2020	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Wrexham County Borough Council - Environmental Health Department	April 2014	Variable
Local Authority Pollution Prevention and Controls Wrexham County Borough Council - Environmental Health Department	April 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Wrexham County Borough Council - Environmental Health Department	April 2014	Variable
Nearest Surface Water Feature Ordnance Survey	April 2020	
Pollution Incidents to Controlled Waters Environment Agency - Welsh Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	Annual Rolling Update Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	Annual Rolling Update Annual Rolling Update
Registered Radioactive Substances Natural Resources Wales Environment Agency - Welsh Region	January 2015 June 2016	Annually
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency Wales - North Area Natural Resources Wales	April 2020 April 2020	Quarterly Quarterly
Water Abstractions Environment Agency - Welsh Region Natural Resources Wales	April 2020 April 2020	Quarterly Quarterly
Water Industry Act Referrals Natural Resources Wales Environment Agency - Welsh Region	April 2020 October 2017	Quarterly Quarterly
Groundwater Vulnerability Map Natural Resources Wales	June 2018	As notified
Bedrock Aquifer Designations Natural Resources Wales	January 2018	Annually
Superficial Aquifer Designations Natural Resources Wales	January 2018	Annually

Agency & Hydrological	Version	Update Cycle
Source Protection Zones Natural Resources Wales	November 2016	Annual Rolling Update
Extreme Flooding from Rivers or Sea without Defences Natural Resources Wales	August 2019	Quarterly
Flooding from Rivers or Sea without Defences Natural Resources Wales	May 2020	Quarterly
Areas Benefiting from Flood Defences Natural Resources Wales	November 2019	Quarterly
Flood Water Storage Areas Natural Resources Wales	August 2019	Quarterly
Flood Defences Natural Resources Wales	November 2019	Quarterly
OS Water Network Lines Ordnance Survey	January 2020	Quarterly
Surface Water 1 in 30 year Flood Extent Natural Resources Wales	October 2013	Annually
Surface Water 1 in 100 year Flood Extent Natural Resources Wales	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Natural Resources Wales	October 2013	Annually
Surface Water Suitability Natural Resources Wales	October 2013	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Natural Resources Wales	July 2017	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Welsh Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency Wales - North Area Natural Resources Wales	November 2019 November 2019	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency Wales - North Area Natural Resources Wales	April 2020 April 2020	Quarterly Quarterly
Local Authority Landfill Coverage Wrexham County Borough Council	May 2000	Not Applicable
Local Authority Recorded Landfill Sites Wrexham County Borough Council	June 2003	Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency Wales - North Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency Wales - North Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency Wales - North Area	March 2003	Not Applicable
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Wrexham County Borough Council - Planning Department	February 2016	Variable
Planning Hazardous Substance Consents Wrexham County Borough Council - Planning Department	February 2016	Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2019	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	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	January 2019	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	January 2020	Quarterly
Fuel Station Entries Catalist Ltd - Experian	April 2020	Quarterly
Gas Pipelines National Grid	July 2014	
Points of Interest - Commercial Services PointX	March 2020	Quarterly
Points of Interest - Education and Health PointX	March 2020	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2020	Quarterly
Points of Interest - Public Infrastructure PointX	March 2020	Quarterly
Points of Interest - Recreational and Environmental PointX	March 2020	Quarterly
Underground Electrical Cables National Grid	October 2019	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural Resources Wales	August 2018	Bi-Annually
Areas of Adopted Green Belt Wrexham County Borough Council	February 2020	As notified
Areas of Unadopted Green Belt Wrexham County Borough Council	February 2020	As notified
Areas of Outstanding Natural Beauty Natural Resources Wales	June 2019	Bi-Annually
Environmentally Sensitive Areas The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Wrexham County Borough Council	August 2018	Bi-Annually
Marine Nature Reserves Natural Resources Wales	August 2018	Bi-Annually
National Nature Reserves Natural Resources Wales	June 2019	Bi-Annually
National Parks Natural Resources Wales	August 2018	Annually
Nitrate Vulnerable Zones Natural Resources Wales The National Assembly for Wales - GI Services (Department of Planning & Countryside)	July 2019 October 2005	Bi-Annually
Ramsar Sites Natural Resources Wales	July 2019	Bi-Annually
Sites of Special Scientific Interest Natural Resources Wales	March 2020	Bi-Annually
Special Areas of Conservation Natural Resources Wales	August 2018	Bi-Annually
Special Protection Areas Natural Resources Wales	August 2018	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
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	
Peter Brett Associates	

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	Natural Resources Wales Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
3	Wrexham County Borough Council - Environmental Health Department Crown Buildings, P O Box 1297, Wrexham, Clwyd, LL13 8ZE	Telephone: 01978 297038 Fax: 01978 292502 Website: www.wrexham.gov.uk
4	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Wrexham County Borough Council Lampet Street, Guildhall, Wrexham, Clwyd, LL11 1WL	Telephone: 01978 292000 Fax: 01978 292502 Website: www.wrexham.gov.uk
7	Health and Safety Executive 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
8	Wrexham County Borough Council - Planning Department Guildhall, Wrexham, LL11 1AY	Telephone: 01978 292000 Fax: 01978 292502 Website: www.wrexham.gov.uk
9	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
10	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
11	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9966 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk
-	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 Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

243108924_1_1

Customer Reference:

31013LG

National Grid Reference:

338970, 347660

Slice:

B

Site Area (Ha):

14.3

Search Buffer (m):

1000

Site Details:

Site at
Marchwiel
Wrexham

Client Details:

MR W Baldwin
Sutcliffe Projects Ltd
18-20 Harrington Street
Liverpool
L2 9QA

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	12
Hazardous Substances	-
Geological	13
Industrial Land Use	16
Sensitive Land Use	18
Data Currency	19
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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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Report Version v53.0

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 2			1	4
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
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 3		Yes		
Pollution Incidents to Controlled Waters	pg 4				4
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 4				1 (*10)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 7	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 8	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 8	Yes	n/a	n/a	n/a
Source Protection Zones	pg 8	2			1
Extreme Flooding from Rivers or Sea without Defences	pg 8	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 8	Yes		n/a	n/a
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 9		1		19

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					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 12	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 12				2
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 13	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 13	Yes	Yes		Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 14	Yes	n/a	n/a	n/a
Mining Instability			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 14	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 14		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 15	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 15	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 15	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					
Fuel Station Entries					
Points of Interest - Commercial Services					
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 16				11
Points of Interest - Public Infrastructure	pg 16				4
Points of Interest - Recreational and Environmental					
Gas Pipelines	pg 17		1		
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	pg 18		3	1	1
Areas of Adopted Green Belt					
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: Potential for Groundwater Flooding of Property Situated Below Ground Level	B9NW (W)	0	1	338850 347664
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B13SW (N)	0	1	338850 348100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B9NW (W)	0	1	338650 347650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	338500 347650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B9NE (SW)	0	1	338973 347664
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	338300 348200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NW)	0	1	338350 347950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	B13SE (N)	0	1	338973 348000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B13SW (NW)	0	1	338750 348150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	337950 348200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	337950 348050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	338000 347900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(W)	0	1	338250 347900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	338300 347900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	338250 347850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NW)	16	1	337850 348350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NW)	35	1	338050 348350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	70	1	338200 347800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	100	1	338000 347664
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	172	1	338100 347700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	223	1	338050 347664
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NW)	240	1	337950 348500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	246	1	338000 348550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	270	1	338050 348550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	274	1	338000 347650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	285	1	337950 348600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NW)	287	1	338300 348550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	318	1	338150 348600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	320	1	338050 348600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	327	1	337950 347600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	B13NW (N)	345	1	338900 348500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	368	1	338100 348650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	B9NE (E)	368	1	339000 347664
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	411	1	338350 347100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NW)	468	1	338150 348750
1	Discharge Consents Operator: Dr M S & Mrs M G Khalifa Property Type: Domestic Property (Single) Location: Talwrn House & Outbuildings, Pickhill, ., Wrexham, LI13 0ul Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Cg0396401 Permit Version: 1 Effective Date: 28th November 2001 Issued Date: 28th November 2001 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of Bedwell 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	B9NW (NW)	430	2	338800 347840

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Mr & Ms Henry Oliver & Sarah Ormrod Property Type: Domestic Property (Single) Location: Pickhill Old Hall Marchweil Wrexha, Marchweil Wrexham Authority: Natural Resources Wales Catchment Area: River Dee Reference: CG0328901 Permit Version: 1 Effective Date: 30th April 1992 Issued Date: 30th April 1992 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Into Land Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	B5NW (S)	785	2	338870 346940
3	Discharge Consents Operator: Maelor Foods Limited Property Type: Water Treatment Works Location: Ptp @ Maelor Foods Limited, Pickhill Lane, Cross Lanes, Wrexham, North Wales, LI13 0ue Authority: Natural Resources Wales Catchment Area: DEE - CHESTER WEIR TO CEIRIOG Reference: Wb3990ht Permit Version: 2 Effective Date: 28th June 2018 Issued Date: 28th June 2018 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib Of River Dee Status: Effective Positional Accuracy: Located by supplier to within 10m	B5SW (S)	901	2	338754 346716
3	Discharge Consents Operator: Maelor Poultry Limited Property Type: Livestock Production, Food Production Location: Ptp @ Maelor Poultry Limited, Pickhill Lane, Cross Lanes, Wrexham, North Wales, LI13 0ue Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Eprwb3990ht Permit Version: 1 Effective Date: 1st February 2016 Issued Date: 15th December 2015 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib Of River Dee Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	B5SW (S)	901	2	338754 346716
3	Discharge Consents Operator: Maelor Poultry Limited Property Type: Not Supplied Location: Ptp @ Maelor Poultry Limited, Pickhill Lane, Cross Lanes, Wrexham, North Wales, LI13 0ue Authority: Natural Resources Wales Catchment Area: DEE - CHESTER WEIR TO CEIRIOG Reference: Wb3990ht Permit Version: 1 Effective Date: 1st February 2016 Issued Date: 15th December 2015 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib Of River Dee Status: Effective Positional Accuracy: Located by supplier to within 10m	B5SW (S)	901	2	338754 346716
	Nearest Surface Water Feature	B13SW (NW)	196	-	338652 348010

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Pollution Incidents to Controlled Waters Property Type: Waste Handling Facilities Location: Creamery Authority: Environment Agency, Welsh Region Pollutant: Light Oil Note: Mechanical Failure Incident Date: 22nd January 1992 Incident Reference: 3401 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Overflow Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	B5SW (S)	826	3	338750 346800
5	Pollution Incidents to Controlled Waters Property Type: Warehouses Location: Pickhill Old, Hall Farmdown Stream Of, Dairy Crest Authority: Environment Agency, Welsh Region Pollutant: Agricultural: Carcasses Note: Not Supplied Incident Date: 23rd May 1992 Incident Reference: 4059 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	B5NW (S)	835	3	338900 346900
6	Pollution Incidents to Controlled Waters Property Type: Waste Handling Facilities Location: Maelor Creamery Authority: Environment Agency, Welsh Region Pollutant: Agricultural: Carcasses Note: Poor Operational Practise Incident Date: 12th September 1991 Incident Reference: 1976 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Bypass Of Treatment Facilities Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	B5NE (S)	856	3	338990 346950
7	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Down Stream Of Dairy Crest, Sw Drain Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Poor Operational Practise Incident Date: 27th June 1992 Incident Reference: 4580 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Effluent Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	B5SW (S)	881	3	338850 346800
8	Water Abstractions Operator: Maelor Foods Limited Licence Number: Wa/067/0007/0015 Permit Version: Not Supplied Location: Maelor Poultry, Pickhill Lane, Cross Lanes, Bangor On Dee, Wrexham Cbc, LI13 0ue Authority: Natural Resources Wales Abstraction: Slaughtering: 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: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B5SW (S)	847	2	338673 346737

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Dairy Crest Dairies Licence Number: 24/67/7/0199 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, Welsh Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: River Daily Rate (m3): 8092 Yearly Rate (m3): 1136500 Details: River Dee 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	B5SW (S)	1025	3	338800 346600
	Water Abstractions Operator: Dee Valley Water Plc Licence Number: 24/67/7/0182 Permit Version: 100 Location: River Dee At Twll, Bangor Authority: Environment Agency, Welsh Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: River Dee At Bangor Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th October 1975 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B1NW (S)	1190	3	338630 346360
	Water Abstractions Operator: Dee Valley Water Plc Licence Number: 24/67/7/0005 Permit Version: 100 Location: River Dee At Twll, Bangor Authority: Environment Agency, Welsh Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: River Dee At Twll; Bangor Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th January 1974 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B1NW (S)	1194	3	338630 346355
	Water Abstractions Operator: Dee Valley Water Plc Licence Number: 24/67/7/0221 Permit Version: 2 Location: River Dee At Twll, Bangor Authority: Natural Resources Wales Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th February 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B1NW (S)	1204	2	338650 346350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Dee Valley Water Plc Licence Number: 24/67/7/0220 Permit Version: 2 Location: River Dee At Twll, Bangor Authority: Natural Resources Wales Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: River Dee At Sesswick Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th February 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B1NW (S)	1204	2	338650 346350
	Water Abstractions Operator: Dee Valley Water Plc Licence Number: 24/67/7/0221 Permit Version: 1 Location: River Dee At Twll, Bangor Authority: Environment Agency, Welsh Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th July 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B1NW (S)	1204	3	338650 346350
	Water Abstractions Operator: Dee Valley Water Plc Licence Number: 24/67/7/0220 Permit Version: 1 Location: River Dee At Twll, Bangor Authority: Environment Agency, Welsh Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: River Dee At Sesswick Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th July 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B1NW (S)	1204	3	338650 346350
	Water Abstractions Operator: Hafren Dyfrdwy Cyfyngedig Licence Number: 24/67/7/0220 Permit Version: Not Supplied Location: Abstraction From The River Dee At Twll Near Bangor-On-Dee - 'Off-Peak', Caia Park, Cross Lanes, LL13 0tn Authority: Natural Resources Wales Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B1NW (S)	1204	2	338650 346350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Hafren Dyfrdwy Cyfyngedig Licence Number: 24/67/7/0220 Permit Version: Not Supplied Location: Abstraction From The River Dee At Twll Near Bangor-On-Dee - 'Off-Peak', Caia Park, Cross Lanes, LI13 0tn Authority: Natural Resources Wales Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B1NW (S)	1204	2	338650 346350
	Water Abstractions Operator: Hafren Dyfrdwy Cyfyngedig Licence Number: Wa/067/0007/0016 Permit Version: Not Supplied Location: Abstraction From The River Dee At Twll Near Bangor-On-Dee, Pumping Station, Whitchurch Road, Bangor On Dee, Wrexham, LI13 0ue Authority: Natural Resources Wales Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B1NW (S)	1204	2	338650 346350
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial: >90% Patchiness: >10m Thickness: >10m Superficial: Low Recharge: Low	(W)	0	2	338000 347664
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Intergranular Dilution: 300-550 mm/year Baseflow Index: <40% Superficial: >90% Patchiness: >10m Thickness: >10m Superficial: Low Recharge: Low	B9NE (SW)	0	2	338973 347664

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial: >90% Patchiness: >10m Superficial Thickness: Low Superficial Recharge: Low	(W)	0	2	338000 348000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial: >90% Patchiness: >10m Superficial Thickness: Low Superficial Recharge: Low	B13SW (N)	0	2	338836 348067
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	B9NE (SW)	0	2	338973 347664
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(NW)	0	2	337920 348487
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	B9NE (SW)	0	2	338973 347664
9	Source Protection Zones Name: Not Supplied Source: Natural Resources Wales Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	(W)	0	2	338436 347781
10	Source Protection Zones Name: Not Supplied Source: Natural Resources Wales Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	B9NW (W)	0	2	338725 347691
11	Source Protection Zones Name: Not Supplied Source: Natural Resources Wales Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	(NW)	765	2	338255 349038
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	B13SW (N)	0	2	338850 348040
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	B13SW (N)	0	2	338850 348040
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flood Defences None				
12	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 550.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	B13SW (N)	195	5	338847 348048
13	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 335.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	B13SE (N)	660	5	339019 348140
14	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	B13SE (N)	662	5	339019 348140
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	B13NE (N)	707	5	339044 348355
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	B13NE (N)	722	5	339048 348352
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 194.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	B13NE (N)	725	5	339123 348308
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	B9SE (S)	759	5	339105 347262
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 227.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	B5SW (S)	789	5	338796 346873
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 84.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	B5NE (S)	866	5	339072 346994

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 472.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	B5SW (S)	877	5	338877 346825
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	B5SW (S)	877	5	338877 346825
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 331.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	B5NE (S)	880	5	339209 347014
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	B13NE (N)	883	5	339226 348284
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 107.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	B5NE (S)	884	5	338963 346890
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	B5NE (S)	884	5	338968 346895
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 0.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	B13NE (N)	885	5	339228 348289
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 152.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	B13NE (N)	885	5	339228 348290
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	B5NE (S)	886	5	339149 347057

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	B5NE (SE)	933	5	339236 347137
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	B5NE (SE)	972	5	339291 347160

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Wrexham County Borough Council - Has supplied landfill data		0	6	338973 347664
32	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	B5NE (S)	741	9	338986 347112
33	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1964	B5SW (S)	886	9	338942 346869

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Permian Rocks (Undifferentiated)	B9NE (SW)	0	1	338973 347664
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil 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:	B9NE (SW)	0	1	338973 347664
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil 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:	B13SE (N)	131	1	338973 348000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil 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:	B9SE (S)	507	1	339011 347347
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil 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:	B9NE (E)	582	1	339000 347664
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel: 15 - 30 mg/kg Concentration:	B13SE (N)	630	1	339000 348000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel: 15 - 30 mg/kg Concentration:	B13SE (N)	643	1	339000 348145

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: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	B13SE (N)	643	1	339000 348145
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil 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:	B10SW (SE)	903	1	339317 347500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	B14NW (NE)	932	1	339332 348355
	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.	B13SE (N)	0	7	338973 348000
	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	B9NE (SW)	0	1	338973 347664
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B13SW (N)	14	1	338856 348052
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B14NW (NE)	55	1	339332 348355
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NE (SW)	0	1	338973 347664
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B13SW (N)	19	1	338856 348052
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B14NW (NE)	62	1	339332 348355
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NE (SW)	0	1	338973 347664

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (SW)	0	1	338973 347664
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (SW)	0	1	338973 347664
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B13SW (N)	19	1	338856 348052
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B14NW (NE)	62	1	339332 348355
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (SW)	0	1	338973 347664
	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	B9NE (SW)	0	1	338973 347664
	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	B9NE (SW)	0	1	338973 347664

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	Points of Interest - Manufacturing and Production Name: Tank Location: LL13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	B5NW (S)	715	8	338866 347029
35	Points of Interest - Manufacturing and Production Name: A W Parry & Sons Location: Pickhill, Marchwiell, Wrexham, LL13 0UL Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	B9NE (NE)	776	8	339167 347790
35	Points of Interest - Manufacturing and Production Name: A W Parry & Sons Location: Pickhill Farm, Cross Lanes, Wrexham, LL13 0UL Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	B9NE (NE)	776	8	339167 347790
36	Points of Interest - Manufacturing and Production Name: Tanks Location: LL13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	B5SW (S)	869	8	338693 346721
36	Points of Interest - Manufacturing and Production Name: Tank Location: LL13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	B5SW (S)	875	8	338683 346710
36	Points of Interest - Manufacturing and Production Name: Tank Location: LL13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	B5SW (S)	900	8	338693 346687
36	Points of Interest - Manufacturing and Production Name: Tank Location: LL13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	B5SW (S)	924	8	338703 346666
36	Points of Interest - Manufacturing and Production Name: Tank Location: LL13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	B5SW (S)	932	8	338706 346658
36	Points of Interest - Manufacturing and Production Name: Tanks Location: LL13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	B5SW (S)	934	8	338670 346641
36	Points of Interest - Manufacturing and Production Name: Tanks Location: LL13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	B5SW (S)	943	8	338709 346648
36	Points of Interest - Manufacturing and Production Name: Tank Location: LL13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	B5SW (S)	972	8	338723 346622
37	Points of Interest - Public Infrastructure Name: Slurry Bed Location: LL13 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	B5NW (S)	680	8	338839 347053

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	Points of Interest - Public Infrastructure Name: Slurry Bed Location: LL13 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	B5NW (S)	721	8	338901 347052
38	Points of Interest - Public Infrastructure Name: Slurry Lagoon Location: LL13 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	B9NE (NE)	714	8	339091 347825
38	Points of Interest - Public Infrastructure Name: Slurry Lagoon Location: LL13 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	B9NE (NE)	714	8	339092 347823
39	Gas Pipelines Name: FM04 - Shocklach to Maelor Nat Grid: Owned By National Grid Diameter (mm): 450 Building Proximity: 39 Distance (m): Status: Active Pipe Length (m): 6285.9 Pipe Number: Feeder 4	B9NE (N)	1	9	338980 347682

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	Ancient Woodland Name: Not Supplied Reference: 30644 Area(m²): 4673.51 Type: Ancient and Semi-Natural Woodland	(W)	38	2	338226 347869
41	Ancient Woodland Name: Not Supplied Reference: 33342 Area(m²): 3117.23 Type: Ancient and Semi-Natural Woodland	(NW)	55	2	338531 347987
42	Ancient Woodland Name: Not Supplied Reference: 30643 Area(m²): 6475.94 Type: Ancient and Semi-Natural Woodland	(W)	147	2	338066 347750
43	Ancient Woodland Name: Not Supplied Reference: 33343 Area(m²): 13754.78 Type: Ancient and Semi-Natural Woodland	B13SW (N)	274	2	338839 348018
44	Ancient Woodland Name: Not Supplied Reference: 33344 Area(m²): 4355.22 Type: Ancient and Semi-Natural Woodland	B13SE (N)	740	2	339097 348204

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Wrexham County Borough Council - Public Protection Department Chester City Council (now part of Cheshire West and Chester Council) - Environmental Health Department Cheshire West and Chester Council - Environmental Health Department	April 2016 August 2008 November 2013	Annually Not Applicable Annually
Discharge Consents Natural Resources Wales Environment Agency - Welsh Region	April 2020 August 2014	Quarterly Quarterly
Enforcement and Prohibition Notices Environment Agency - North West Region Environment Agency - Welsh Region	March 2013 March 2013	Annual Rolling Update Annual Rolling Update
Integrated Pollution Controls Environment Agency - North West Region Environment Agency - Welsh Region	October 2008 October 2008	Variable Variable
Integrated Pollution Prevention And Control Environment Agency - North West Region Environment Agency - Welsh Region Natural Resources Wales	April 2020 April 2020 April 2020	Quarterly Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Wrexham County Borough Council - Environmental Health Department Chester City Council (now part of Cheshire West and Chester Council) - Environmental Health Department Cheshire West and Chester Council - Environmental Health Department	April 2014 December 2008 July 2015	Variable Not Applicable Variable
Local Authority Pollution Prevention and Controls Wrexham County Borough Council - Environmental Health Department Chester City Council (now part of Cheshire West and Chester Council) - Environmental Health Department Cheshire West and Chester Council - Environmental Health Department	April 2014 December 2008 July 2015	Annual Rolling Update Not Applicable Annually
Local Authority Pollution Prevention and Control Enforcements Wrexham County Borough Council - Environmental Health Department Chester City Council (now part of Cheshire West and Chester Council) - Environmental Health Department Cheshire West and Chester Council - Environmental Health Department	April 2014 December 2008 July 2015	Variable Not Applicable Variable
Nearest Surface Water Feature Ordnance Survey	April 2020	
Pollution Incidents to Controlled Waters Environment Agency - Welsh Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - North West Region Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013 March 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - North West Region Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013 March 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Registered Radioactive Substances Natural Resources Wales Environment Agency - North West Region Environment Agency - Welsh Region	January 2015 June 2016 June 2016	Annually
Substantiated Pollution Incident Register Environment Agency - North West Region - South Area Environment Agency Wales - North Area Natural Resources Wales	April 2020 April 2020 April 2020	Quarterly Quarterly Quarterly

Agency & Hydrological	Version	Update Cycle
Water Abstractions Environment Agency - Welsh Region Natural Resources Wales	April 2020 April 2020	Quarterly Quarterly
Water Industry Act Referrals Natural Resources Wales Environment Agency - North West Region Environment Agency - Welsh Region	April 2020 October 2017 October 2017	Quarterly Quarterly Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office Natural Resources Wales	June 2018 June 2018	As notified As notified
Bedrock Aquifer Designations Natural Resources Wales	January 2018	Annually
Superficial Aquifer Designations Natural Resources Wales	January 2018	Annually
Source Protection Zones Natural Resources Wales	November 2016	Annual Rolling Update
Extreme Flooding from Rivers or Sea without Defences Natural Resources Wales	August 2019	Quarterly
Flooding from Rivers or Sea without Defences Natural Resources Wales	May 2020	Quarterly
Areas Benefiting from Flood Defences Natural Resources Wales	November 2019	Quarterly
Flood Water Storage Areas Natural Resources Wales	August 2019	Quarterly
Flood Defences Natural Resources Wales	November 2019	Quarterly
OS Water Network Lines Ordnance Survey	January 2020	Quarterly
Surface Water 1 in 30 year Flood Extent Natural Resources Wales	October 2013	Annually
Surface Water 1 in 100 year Flood Extent Natural Resources Wales	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Natural Resources Wales	October 2013	Annually
Surface Water Suitability Natural Resources Wales	October 2013	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Natural Resources Wales	July 2017	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North West Region Environment Agency - Welsh Region	October 2008 October 2008	Not Applicable Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North West Region - South Area Environment Agency Wales - North Area Natural Resources Wales	November 2019 November 2019 November 2019	Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North West Region - South Area Environment Agency Wales - North Area Natural Resources Wales	April 2020 April 2020 April 2020	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Cheshire County Council (now part of Cheshire East Council) - Environmental Planning Department Chester City Council (now part of Cheshire West and Chester Council) - Environmental Health Department Wrexham County Borough Council	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Cheshire County Council (now part of Cheshire East Council) - Environmental Planning Department Wrexham County Borough Council Chester City Council (now part of Cheshire West and Chester Council) - Environmental Health Department	February 2005 June 2003 May 2000	Not Applicable Not Applicable Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency - North West Region - South Area Environment Agency Wales - North Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - North West Region - South Area Environment Agency Wales - North Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - North West Region - South Area Environment Agency Wales - North Area	March 2003 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Cheshire West and Chester Council - Planning Department Wrexham County Borough Council - Planning Department Cheshire County Council (now part of Cheshire East Council) - Planning Department Chester City Council (now part of Cheshire West and Chester Council)	April 2016 February 2016 July 2008 October 2008	Variable Variable Annual Rolling Update Not Applicable
Planning Hazardous Substance Consents Cheshire West and Chester Council - Planning Department Wrexham County Borough Council - Planning Department Cheshire County Council (now part of Cheshire East Council) - Planning Department Chester City Council (now part of Cheshire West and Chester Council)	April 2016 February 2016 July 2008 October 2008	Variable Variable Annual Rolling Update Not Applicable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2019	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	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	January 2019	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	January 2020	Quarterly
Fuel Station Entries Catalist Ltd - Experian	April 2020	Quarterly
Gas Pipelines National Grid	July 2014	
Points of Interest - Commercial Services PointX	March 2020	Quarterly
Points of Interest - Education and Health PointX	March 2020	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2020	Quarterly
Points of Interest - Public Infrastructure PointX	March 2020	Quarterly
Points of Interest - Recreational and Environmental PointX	March 2020	Quarterly
Underground Electrical Cables National Grid	October 2019	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural Resources Wales	August 2018	Bi-Annually
Areas of Adopted Green Belt Cheshire West and Chester Council - Planning Department Chester City Council (now part of Cheshire West and Chester Council) Wrexham County Borough Council	February 2020 February 2020 February 2020	As notified As notified As notified
Areas of Unadopted Green Belt Cheshire West and Chester Council - Planning Department Chester City Council (now part of Cheshire West and Chester Council) Wrexham County Borough Council	February 2020 February 2020 February 2020	As notified As notified As notified
Areas of Outstanding Natural Beauty Natural England Natural Resources Wales	June 2019 June 2019	Bi-Annually Bi-Annually
Environmentally Sensitive Areas Natural England The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017 January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England Wrexham County Borough Council	April 2020 August 2018	Bi-Annually Bi-Annually
Marine Nature Reserves Natural Resources Wales	August 2018	Bi-Annually
National Nature Reserves Natural Resources Wales	June 2019	Bi-Annually
National Parks Natural England Natural Resources Wales	April 2017 August 2018	Bi-Annually Annually
Nitrate Vulnerable Zones Natural Resources Wales The National Assembly for Wales - GI Services (Department of Planning & Countryside)	July 2019 October 2005	Bi-Annually
Ramsar Sites Natural Resources Wales	July 2019	Bi-Annually
Sites of Special Scientific Interest Natural Resources Wales	March 2020	Bi-Annually
Special Areas of Conservation Natural Resources Wales	August 2018	Bi-Annually
Special Protection Areas Natural Resources Wales	August 2018	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
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	
Peter Brett Associates	

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	Natural Resources Wales Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
3	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Wrexham County Borough Council Lampet Street, Guildhall, Wrexham, Clwyd, LL11 1WL	Telephone: 01978 292000 Fax: 01978 292502 Website: www.wrexham.gov.uk
7	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
8	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9966 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk
-	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 Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

243108924_1_1

Customer Reference:

31013LG

National Grid Reference:

337750, 348870

Slice:

C

Site Area (Ha):

14.3

Search Buffer (m):

1000

Site Details:

Site at
Marchwiell
Wrexham

Client Details:

MR W Baldwin
Sutcliffe Projects Ltd
18-20 Harrington Street
Liverpool
L2 9QA

Report Section	Page Number
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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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Report Version v53.0

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 2			3	2
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 4				1
Local Authority Integrated Pollution Prevention And Control	pg 4				1
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 4		Yes		
Pollution Incidents to Controlled Waters	pg 4				3
Prosecutions Relating to Authorised Processes	pg 4				1
Registered Radioactive Substances					
River Quality	pg 5		1		
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 5				11
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 7	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 8	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 8	Yes	n/a	n/a	n/a
Source Protection Zones	pg 9	2			1
Extreme Flooding from Rivers or Sea without Defences	pg 9	Yes	Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 9		Yes	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 9		1	9	26

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					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 14				2
Local Authority Landfill Coverage	pg 14	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 14			3	16
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 16	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 16	Yes	Yes	Yes	
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 16	Yes	n/a	n/a	n/a
Mining Instability			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 16	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 16		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 17	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 17	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 17	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 18				23
Fuel Station Entries					
Points of Interest - Commercial Services	pg 20				5
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 20				4
Points of Interest - Public Infrastructure					
Points of Interest - Recreational and Environmental	pg 21				1
Gas Pipelines					
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	pg 22		2	1	1
Areas of Adopted Green Belt					
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: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	338300 347950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C4SW (E)	0	1	338150 348850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	337550 348200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	338350 348000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	337650 348150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	338050 348250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SE)	0	1	338300 348000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SE)	0	1	338350 348050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	338150 348450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	337750 348250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	337900 348100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	337750 348000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SE)	0	1	338200 347950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	338200 348000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	338150 347950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	8	1	337600 348100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C3NE (NW)	16	1	337650 348950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	23	1	337550 348100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	26	1	337650 348200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SE)	35	1	337950 348550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	40	1	337700 348200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	70	1	337550 348050

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	94	1	337450 348050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	100	1	337747 348250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	159	1	337400 348000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	210	1	337550 347900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	215	1	337850 348500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SE)	240	1	337900 348550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C3SE (NW)	246	1	337700 348900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	258	1	337850 348550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C4SW (SE)	270	1	338000 348600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C3SE (SE)	285	1	337747 348874
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C4SW (SE)	287	1	338250 348600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C4SW (E)	318	1	338100 348750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	C4SW (SE)	320	1	338000 348650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C4SW (E)	345	1	338200 348874
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	C4SW (SE)	368	1	338050 348700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	C3SE (S)	401	1	337747 348850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C4SW (E)	468	1	338100 348800
1	Discharge Consents Operator: J K Industries Property Type: Civil Engineering Location: Firestone Site Wrexham Industrial E, Wrexham Industrial Estate Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0033901 Permit Version: 1 Effective Date: 20th May 1966 Issued Date: 20th May 1966 Revocation Date: 2nd February 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Clywedog Receiving Water: Clywedog Status: Consent expired Positional Accuracy: Located by supplier to within 10m	C4SW (SE)	338	2	338110 348620

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Lend Lease Construction (Emea) Limited Property Type: General Construction Work Location: Ss/Ph Unit@North Wales Prison Proje, North Wales Prison Project, Bridge Road, Wrexham Industrial Estate, Wrexham, LI13 9qa Authority: Natural Resources Wales Catchment Area: Not Supplied Reference: Eprab3790hg Permit Version: 1 Effective Date: 18th March 2016 Issued Date: 18th March 2016 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: River Clywedog Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	C4SW (SE)	409	2	338144 348688
2	Discharge Consents Operator: Lend Lease Construction (Emea) Limited Property Type: General Construction Work Location: Ss/Ph Unit@North Wales Prison Proje, North Wales Prison Project, Bridge Road, Wrexham Industrial Estate, Wrexham, LI13 9qa Authority: Natural Resources Wales Catchment Area: CLYWEDOG - DEE TO GWENFRO Reference: Ab3790hg Permit Version: 1 Effective Date: 18th March 2016 Issued Date: 18th March 2016 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: River Clywedog Status: Surrendered Positional Accuracy: Located by supplier to within 10m	C4SW (SE)	409	2	338144 348688
3	Discharge Consents Operator: J K Industries Property Type: Rubber Tyre & Inner Tube Manufacture Location: Firestone Site Wrexham Ind Estate Authority: Natural Resources Wales Catchment Area: River Dee Reference: CM0033801 Permit Version: 1 Effective Date: 20th May 1966 Issued Date: 20th May 1966 Revocation Date: 2nd February 1994 Discharge Type: Unspecified Discharge: Not Supplied Environment: Receiving Water: Clywedog Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 100m	C4SW (E)	545	2	338260 348810
4	Discharge Consents Operator: Alan'S Skip Hire Wales Limited Property Type: Not Supplied Location: Wrexham Recycling Centere Rewither, Wrexham Recycling Centre, Redwither Road, Wrexham Industrail Estate, Wrexham, LI13 9rd Authority: Natural Resources Wales Catchment Area: CLYWEDOG - DEE TO GWENFRO Reference: Cg0402201 Permit Version: 1 Effective Date: 31st October 2002 Issued Date: 31st October 2002 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: The Redwither Brook Status: Effective Positional Accuracy: Located by supplier to within 10m	C4NE (NE)	999	2	338474 349230

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Integrated Pollution Prevention And Control Name: Cott Wrexham (Calypso) Manufacturing Site Location: Wrexham Soft Drinks, Unit D-F, Spectrum Business Park, Wrexham Industrial Estate, Wrexham, Wrexham, LL13 9QA Authority: Natural Resources Wales Permit Reference: AB3094FQ Original Permit Ref: Not Supplied Effective Date: 22nd May 2018 Status: Effective Application Type: Bespoke App. Sub Type: Not Supplied Positional Accuracy: Automatically positioned to the address Activity Code: 6.8 PART A (1) D) (II) Activity Description: Not Supplied Primary Activity: Y	C4NW (NE)	904	2	338233 349176
6	Local Authority Integrated Pollution Prevention And Control Name: Lloyds Animal Feeds (Western) Ltd Location: Bridge Road North, Wrexham Industrial Estate, Wrexham, LL13 9ps Authority: Wrexham County Borough Council, Environmental Health Department Permit Reference: WCBC/PG6/26(1)V2 Dated: Not Supplied Process Type: Production and Processing of Metals Description: 6/26 Status: Permit Issued Positional Accuracy: Manually positioned to the address or location	C2SE (SW)	534	3	337268 348641
	Nearest Surface Water Feature	(SE)	125	-	337953 348523
7	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Surface Runoff Location: Clywedog, Road Wrexham Industrial Estate, Marchwi Authority: Environment Agency, Welsh Region Pollutant: Oils - Petrol Note: Not Supplied Incident Date: 3rd November 1995 Incident Reference: 26678 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C2SE (W)	662	4	337200 348750
8	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Redwither, Pumping Station Authority: Environment Agency, Welsh Region Pollutant: Oils - Petrol Note: Not Supplied Incident Date: 21st June 1996 Incident Reference: 28800 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C4NE (E)	834	4	338500 349050
9	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Wrexham Industrial Estate, WREXHAM Authority: Environment Agency, Welsh Region Pollutant: Oils - Petrol Note: Vandalism Incident Date: 30th May 1997 Incident Reference: 32374 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C2NE (W)	976	4	337000 349000
10	Prosecutions Relating to Authorised Processes Location: Bridge Road, Wrexham Industrial Estate, WREXHAM, Clwyd, LL13 9PS Prosecution Text: Press Release HM389, Failure to comply with an improvement notice to prevent emissions of smoke from the factory vents. Prosecution Act: HSWA74 Hearing Date: 15th March 1996 Verdict: Guilty Fine: 10000 Costs: 9882 Positional Accuracy: Manually positioned to the road within the address or location	C3NE (N)	990	4	337692 349205

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Clywedog GQA Grade: River Quality B Reach: Conf.Redwithr Bk. - O/F Five Fords Stw Estimated Distance (km): 4.8 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	(SE)	62	4	337949 348473
11	Water Abstractions Operator: Calypso Soft Drinks Ltd Licence Number: Wa/067/0007/006 Permit Version: 1 Location: 144m Deep, 150mm Dia. Borehole Aw1 Authority: Natural Resources Wales Abstraction: Food And Drink: 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: Spectrum Business Park, Wrexham Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	C4NW (E)	665	2	338190 348940
11	Water Abstractions Operator: Calypso Soft Drinks Ltd Licence Number: 24/67/7/0222 Permit Version: 1 Location: 144m Deep, 150mm Dia. Borehole Aw1 Authority: Environment Agency, Welsh Region Abstraction: Food And Drink: 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: Spectrum Business Park Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th September 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	C4NW (E)	665	4	338190 348940
11	Water Abstractions Operator: Calypso Soft Drinks Ltd Licence Number: 24/67/7/0213 Permit Version: 100 Location: 144m Deep, 150mm Dia. Borehole Aw1 Authority: Environment Agency, Welsh Region Abstraction: Food And Drink: 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: 144M Deep 150mm Diameter Borehole Aw1 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th September 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	C4NW (E)	665	4	338190 348940
11	Water Abstractions Operator: Cott Beverages Limited Licence Number: Wa/067/0007/006 Permit Version: Not Supplied Location: Not Supplied Authority: Natural Resources Wales Abstraction: Food And Drink: Process Water Abstraction Type: Water may be abstracted from any point within an area 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: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	C4NW (E)	665	2	338190 348940

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Water Abstractions Operator: Refresco Drinks Uk Ltd Licence Number: Wa/067/0007/006 Permit Version: Not Supplied Location: Spectrum Business Park, Wrexham, Calypso Soft Drinks Ltd, Unit D-F, Spectrum Business Park, Wrexham Industrial Estate, Wrexham, Wrexham, Ll13 9qa Authority: Natural Resources Wales Abstraction: Food And Drink: Process Water Abstraction Type: Water may be abstracted from any point within an area 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: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	C4NW (E)	665	2	338190 348940
12	Water Abstractions Operator: Calypso Soft Drinks Ltd Licence Number: Wa/067/0007/006 Permit Version: 1 Location: 144m Deep, 150mm Dia., Ob1 Authority: Natural Resources Wales Abstraction: Food And Drink: 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: Spectrum Business Park, Wrexham Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	C4NW (NE)	820	2	338240 349090
12	Water Abstractions Operator: Calypso Soft Drinks Ltd Licence Number: 24/67/7/0222 Permit Version: 1 Location: 144m Deep, 150mm Dia., Ob1 Authority: Environment Agency, Welsh Region Abstraction: Food And Drink: 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: Spectrum Business Park Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th September 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	C4NW (NE)	820	4	338240 349090
12	Water Abstractions Operator: Calypso Soft Drinks Ltd Licence Number: 24/67/7/0213 Permit Version: 100 Location: 144m Deep, 150mm Dia., Ob1 Authority: Environment Agency, Welsh Region Abstraction: Food And Drink: 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: 144M Deep 150mm Diameter Ob1 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th September 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	C4NW (NE)	820	4	338240 349090

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	Water Abstractions Operator: Calypso Soft Drinks Ltd Licence Number: Wa/067/0007/006 Permit Version: 1 Location: Spectrum Business Park Borehole Aw2 Authority: Natural Resources Wales Abstraction: Food And Drink: 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: Spectrum Business Park, Wrexham Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	C4NE (NE)	925	2	338350 349180
13	Water Abstractions Operator: Calypso Soft Drinks Ltd Licence Number: 24/67/7/0222 Permit Version: 1 Location: 144 M Deep, 200mm Dia Bh Aw2 Authority: Environment Agency, Welsh Region Abstraction: Food And Drink: 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: Spectrum Business Park Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th September 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	C4NE (NE)	936	4	338360 349190
13	Water Abstractions Operator: Calypso Soft Drinks Ltd Licence Number: 24/67/7/0213 Permit Version: 100 Location: 144 M Deep, 200mm Dia Bh Aw2 Authority: Environment Agency, Welsh Region Abstraction: Food And Drink: 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: 144M Deep 200mm Diameter Borehole Aw2 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th September 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	C4NE (NE)	936	4	338360 349190
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial: >90% Patchiness: >10m Thickness: >10m Superficial Recharge: Low	(S)	0	2	337747 348000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Intergranular Dilution: 300-550 mm/year Baseflow Index: <40% Superficial: >90% Patchiness: >10m Superficial Thickness: Low Superficial Recharge:	(S)	0	2	338000 348000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial: >90% Patchiness: >10m Superficial Thickness: Low Superficial Recharge:	(S)	0	2	337971 348311
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial: >90% Patchiness: >10m Superficial Thickness: Low Superficial Recharge:	(S)	0	2	337728 348245
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial: >90% Patchiness: >10m Superficial Thickness: Low Superficial Recharge:	(SE)	0	2	338163 348464
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	C4SW (SE)	0	2	338044 348651
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	C3SE (SE)	0	2	337747 348874
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(SE)	0	2	338163 348464

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	Source Protection Zones Name: Not Supplied Source: Natural Resources Wales Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	C3SE (SE)	0	2	337940 348740
15	Source Protection Zones Name: Not Supplied Source: Natural Resources Wales Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	C3SE (SE)	0	2	337917 348756
16	Source Protection Zones Name: Not Supplied Source: Natural Resources Wales Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	C4NW (NE)	765	2	338191 349069
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	C4SW (E)	0	2	338130 348740
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	C4SW (SE)	60	2	338015 348610
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	C4SW (SE)	86	2	338015 348610
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1631.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 1	(SE)	129	5	337943 348532
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 80.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 1	C4SW (SE)	314	5	338281 348603
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 2	C4SW (SE)	317	5	338273 348595
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 1	C4SW (SE)	332	5	338211 348617

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 583.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 1	C4SW (SE)	339	5	338140 348681
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 2	C4SW (SE)	339	5	338211 348617
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 1	C4SW (SE)	339	5	338236 348605
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 131.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	C4SE (E)	411	5	338344 348724
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	C4SW (E)	463	5	338040 348784
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 274.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	C2SE (W)	496	5	337084 348719
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	C4SW (E)	504	5	338038 348787
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	C4SW (E)	508	5	338019 348828
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 71.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	C2SE (W)	546	5	337159 348676

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	C4SE (E)	583	5	338593 348743
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	C4SE (E)	604	5	338575 348813
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 1	C4SE (E)	636	5	338292 348900
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 2	C4SE (E)	636	5	338292 348897
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	C4SE (E)	652	5	338573 348842
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 286.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 1	C4SE (E)	663	5	338523 348860
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 459.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 1	C4NE (E)	670	5	338299 348932
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	C4SE (E)	685	5	338574 348853
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 422.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 1	C4SE (E)	689	5	338575 348856

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 189.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	C3NW (W)	701	5	337478 348952
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	C2SE (W)	716	5	337078 348743
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 94.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	C2SE (W)	728	5	337075 348756
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	C2SE (W)	817	5	337053 348848
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	C2SE (W)	817	5	337075 348863
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 177.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	C2NE (W)	819	5	337163 349013
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 86.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 1	C4NE (E)	834	5	338549 349043
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 2	C4NE (E)	834	5	338557 349028
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 132.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	C2NE (W)	882	5	337037 348914

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	C2NE (W)	882	5	337037 348914
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 376.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Redwither Brook Catchment Name: Dee Primacy: 1	C4NE (E)	897	5	338507 349156
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	C2NE (W)	918	5	336975 348918
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 166.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Dee Primacy: 1	C2NE (W)	920	5	336973 348918
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 276.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Redwither Brook Catchment Name: Dee Primacy: 1	C8SE (NE)	936	5	338324 349354

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	Licensed Waste Management Facilities (Locations) Licence Number: WP3094FB Location: ASH Wrexham Recycling Centre, Site One, Redwither Road, Wrexham Industrial Estate, Wrexham, Wrexham, LL13 9RD Operator Name: Alan's Skip Hire (Wales) Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Effective Issued: 3rd October 2017 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	C4NE (NE)	986	2	338386 349236
53	Licensed Waste Management Facilities (Locations) Licence Number: WP3094FB Location: ASH Wrexham Recycling Centre, Site One, Redwither Road, Wrexham Industrial Estate, Wrexham, Wrexham, LL13 9RD Operator Name: Alan's Skip Hire (Wales) Ltd Operator Location: Not Supplied Authority: Natural Resources Wales Site Category: Physical Treatment Facilities Licence Status: Effective Issued: 3rd October 2017 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	C4NE (NE)	986	2	338386 349236
	Local Authority Landfill Coverage Name: Wrexham County Borough Council - Has supplied landfill data		0	6	337747 348874
54	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	C3SE (SE)	444	-	337872 348690
55	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	C4SW (SE)	452	-	338042 348732
56	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	C4SE (E)	478	-	338481 348667
57	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	C3SW (W)	647	-	337285 348767
58	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	C3SE (NE)	676	-	337764 348896
59	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	C3SW (W)	678	-	337467 348827
60	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	C3SW (W)	683	-	337284 348805
61	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	C3SW (W)	686	-	337508 348834
62	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	C3SE (W)	705	-	337687 348893
63	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	C3SW (W)	710	-	337579 348853
64	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	C2SE (W)	759	-	337212 348860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	C4NW (NE)	773	-	337976 349047
66	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	C3NW (W)	776	-	337372 348918
67	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	C3NE (N)	827	-	337778 349061
68	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	C4NE (E)	850	-	338385 349098
69	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	C2NE (W)	859	-	337134 348937
70	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	C4NE (E)	881	-	338394 349128
71	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	C3NW (W)	895	-	337313 349029
72	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	C3NW (NW)	963	-	337398 349109

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Permian Rocks (Undifferentiated)	C4SW (SE)	0	1	337986 348681
	BGS 1:625,000 Solid Geology Description: Warwickshire Group	C3SE (SE)	0	1	337747 348874
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	C3SE (SE)	0	1	337747 348874
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	C4SW (E)	131	1	338000 348874
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	C4SE (E)	303	1	338369 348690
	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.	C3SE (SE)	0	7	337747 348874
	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	(SE)	0	1	338163 348464
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SE)	55	1	337944 348540
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SE (SE)	0	1	337747 348874
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(SE)	62	1	337944 348540
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SE (SE)	0	1	337747 348874

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3SE (SE)	0	1	337747 348874
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SE (SE)	0	1	337747 348874
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	337357 348440
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(SE)	62	1	337944 348540
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SE)	92	1	338163 348464
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3SE (SE)	0	1	337747 348874
	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	C4NW (NE)	0	1	338075 349076
	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	C4NW (NE)	0	1	338075 349076

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	Contemporary Trade Directory Entries Name: Lloyds Western Ltd Location: Bridge Road, Wrexham Industrial Estate, Wrexham, Clwyd, LL13 9PS Classification: Pet Foods & Animal Feeds Status: Active Positional Accuracy: Automatically positioned to the address	C2SE (SW)	534	-	337268 348641
74	Contemporary Trade Directory Entries Name: Lloyds Warehousing Location: Bridge Road, Wrexham Industrial Estate, Wrexham, Clwyd, LL13 9SQ Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	C3SW (W)	606	-	337397 348750
75	Contemporary Trade Directory Entries Name: Clwyd Precision Engineering & Plastics Ltd Location: Bridge Road, Wrexham Industrial Estate, Wrexham, LL13 9PS Classification: Polythene & Plastic Sheetting Supplies Status: Active Positional Accuracy: Automatically positioned to the address	C3SW (W)	618	-	337307 348743
75	Contemporary Trade Directory Entries Name: Clwyd Precision Engineering Location: Bridge Road, Wrexham Industrial Estate, WREXHAM, Clwyd, LL13 9PS Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	C3SW (W)	618	-	337301 348742
75	Contemporary Trade Directory Entries Name: Clwyd Plastics Ltd Location: Bridge Road, Wrexham Industrial Estate, Wrexham, LL13 9PS Classification: Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	C3SW (W)	618	-	337307 348743
76	Contemporary Trade Directory Entries Name: W & J Tod Ltd Location: Unit R1 Bridge Rd, Wrexham Indust Est, Wrexham, Clwyd, LL13 9PS Classification: Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	C3SW (SW)	622	-	337522 348770
77	Contemporary Trade Directory Entries Name: Lloyds Warehousing Location: Bridge Road, Wrexham Industrial Estate, Wrexham, LL13 9SQ Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	C3SW (W)	658	-	337383 348801
77	Contemporary Trade Directory Entries Name: F Lloyd Penley Ltd Location: Bridge Road, Wrexham Industrial Estate, Wrexham, LL13 9SQ Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	C3SW (W)	658	-	337383 348801
78	Contemporary Trade Directory Entries Name: Bonaprene Fluidpower Location: Clywedog Road South, Wrexham Industrial Estate, Wrexham, Clwyd, LL13 9XS Classification: Hydraulic Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	C2SE (W)	698	-	337052 348702
78	Contemporary Trade Directory Entries Name: Bonaprene Products Ltd Location: Clywedog Road South, Wrexham Industrial Estate, Wrexham, Clwyd, LL13 9XS Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	C2SE (W)	698	-	337052 348702
78	Contemporary Trade Directory Entries Name: Polybush Location: Clywedog Road South, Wrexham Industrial Estate, Wrexham, Clwyd, LL13 9XS Classification: Plastics - Injection Moulding Status: Active Positional Accuracy: Manually positioned to the address or location	C2SE (W)	698	-	337052 348702

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
78	Contemporary Trade Directory Entries Name: Bonaprene Products Ltd Location: Clywedog Road South, Wrexham Industrial Estate, Wrexham, Clwyd, LL13 9XS Classification: Hydraulic Equipment & Accessories - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	C2SE (W)	698	-	337052 348702
78	Contemporary Trade Directory Entries Name: Bonaprene Products Ltd Location: Clywedog Road South, Wrexham Industrial Estate, Wrexham, Clwyd, LL13 9XS Classification: Hydraulic Equipment & Accessories - Sales & Service Status: Active Positional Accuracy: Automatically positioned to the address	C2SE (W)	698	-	337052 348702
79	Contemporary Trade Directory Entries Name: Refresco Location: Refresco, Spectrum Business Park, Wrexham, LL13 9QA Classification: Soft Drinks - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	C4NE (E)	805	-	338291 349068
80	Contemporary Trade Directory Entries Name: Apex Auto Centre Location: Unit 2, Apex Centre, Clywedog Road South, Wrexham Industrial Estate, Wrexham, LL13 9XS Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	C2SE (W)	809	-	337030 348824
80	Contemporary Trade Directory Entries Name: Riverside Office Furniture Location: Unit 3, Apex Centre, Clywedog Road South, Wrexham Industrial Estate, Wrexham, LL13 9XS Classification: Office Furniture & Equipment Status: Active Positional Accuracy: Automatically positioned to the address	C2SE (W)	814	-	337016 348820
80	Contemporary Trade Directory Entries Name: W R Refrigeration Ltd Location: Unit 3, Apex Centre, Clywedog Road South, Wrexham Industrial Estate, Wrexham, Clwyd, LL13 9XS Classification: Refrigeration Equipment - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	C2SE (W)	816	-	337013 348820
80	Contemporary Trade Directory Entries Name: Signature Kitchen Location: Unit 3, Apex Centre, Clywedog Road South, Wrexham Industrial Estate, Wrexham, Clwyd, LL13 9XS Classification: Kitchen Furniture Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	C2SE (W)	816	-	337013 348820
80	Contemporary Trade Directory Entries Name: R G Engineering Services Location: Unit 4, Apex Centre, Clywedog Road South, Wrexham Industrial Estate, Wrexham, Clwyd, LL13 9XS Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	C2SE (W)	819	-	337002 348816
80	Contemporary Trade Directory Entries Name: Britewater Ltd Location: Apex Centre, Clywedog Road South, Wrexham Industrial Estate, Wrexham, Clwyd, LL13 9XS Classification: Ventilators & Ventilation Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	C2SE (W)	821	-	337025 348835
80	Contemporary Trade Directory Entries Name: Wilsons Accident Repair Centre Ltd Location: Unit 7, Apex Centre, Clywedog Road South, Wrexham Industrial Estate, Wrexham, Clwyd, LL13 9XS Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	C2SE (W)	828	-	337003 348828

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	Contemporary Trade Directory Entries Name: Soleil Foodservice Ltd Location: Unit 4, Wilkinson Business Park, Clywedog Road South, Wrexham Industrial Estate, Wrexham, LL13 9AE Classification: Distribution Services Status: Active Positional Accuracy: Automatically positioned to the address	C2NE (W)	921	-	336996 348934
82	Contemporary Trade Directory Entries Name: Bright Steel Wire Ltd Location: Unit D, Spectrum Business Park, Wrexham Industrial Estate, Wrexham, Clwyd, LL13 9QA Classification: Wire Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	C4NW (NE)	930	-	338195 349206
83	Points of Interest - Commercial Services Name: Apex Auto Centre Location: Unit 2 Apex Centre, Clywedog Road South, Wrexham Industrial Estate, Wrexham, LL13 9XS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	C2SE (W)	812	8	337025 348824
83	Points of Interest - Commercial Services Name: Apex Auto Centre Location: Unit 2 Apex Centre, Clywedog Road South, Wrexham Industrial Estate, Wrexham, LL13 9XS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	C2SE (W)	813	8	337026 348825
83	Points of Interest - Commercial Services Name: Wilsons Location: Unit 7 Apex Centre, Clywedog Road South, Wrexham Industrial Estate, Wrexham, LL13 9XS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	C2SE (W)	828	8	337003 348828
83	Points of Interest - Commercial Services Name: Wilsons Accident Repair Centre Ltd Location: Unit 7 Apex Centre, Clywedog Road South, Wrexham Industrial Estate, Wrexham, LL13 9XS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	C2SE (W)	828	8	337003 348828
84	Points of Interest - Commercial Services Name: Soleil Foodservice Ltd Location: Unit 4 Wilkinson Business Park, Clywedog Road South, Wrexham Industrial Estate, Wrexham, LL13 9AE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	C2NE (W)	920	8	336995 348933
85	Points of Interest - Manufacturing and Production Name: Wrexham Industrial Estate Location: LL13 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	C3SW (W)	677	8	337528 348824
86	Points of Interest - Manufacturing and Production Name: Spectrum Industrial Estate Location: LL13 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	C4NW (NE)	932	8	338056 349213
87	Points of Interest - Manufacturing and Production Name: Wrexham Industrial Estate Location: LL13 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	C2NE (W)	956	8	336987 348970
87	Points of Interest - Manufacturing and Production Name: Wrexham Industrial Estate Location: LL13 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	C2NE (W)	963	8	336961 348962

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
88	Points of Interest - Recreational and Environmental Name: Playground Location: (Maes Brenin), LL13 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	C3NW (W)	874	8	337278 349000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
89	Ancient Woodland Name: Not Supplied Reference: 30644 Area(m ²): 4673.51 Type: Ancient and Semi-Natural Woodland	(SE)	38	2	338179 347878
90	Ancient Woodland Name: Not Supplied Reference: 33342 Area(m ²): 3117.23 Type: Ancient and Semi-Natural Woodland	(SE)	55	2	338422 348029
91	Ancient Woodland Name: Not Supplied Reference: 33343 Area(m ²): 13754.78 Type: Ancient and Semi-Natural Woodland	(SE)	274	2	338664 348074
92	Ancient Woodland Name: Not Supplied Reference: 33344 Area(m ²): 4355.22 Type: Ancient and Semi-Natural Woodland	(SE)	740	2	339092 348212

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Wrexham County Borough Council - Public Protection Department	April 2016	Annually
Discharge Consents Natural Resources Wales Environment Agency - Welsh Region	April 2020 August 2014	Quarterly Quarterly
Enforcement and Prohibition Notices Environment Agency - Welsh Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - Welsh Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - Welsh Region Natural Resources Wales	April 2020 April 2020	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Wrexham County Borough Council - Environmental Health Department	April 2014	Variable
Local Authority Pollution Prevention and Controls Wrexham County Borough Council - Environmental Health Department	April 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Wrexham County Borough Council - Environmental Health Department	April 2014	Variable
Nearest Surface Water Feature Ordnance Survey	April 2020	
Pollution Incidents to Controlled Waters Environment Agency - Welsh Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	Annual Rolling Update Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013	Annual Rolling Update Annual Rolling Update
Registered Radioactive Substances Natural Resources Wales Environment Agency - Welsh Region	January 2015 June 2016	Annually
River Quality Environment Agency - Head Office	November 2001	Not Applicable
Substantiated Pollution Incident Register Environment Agency Wales - North Area Natural Resources Wales	April 2020 April 2020	Quarterly Quarterly
Water Abstractions Environment Agency - Welsh Region Natural Resources Wales	April 2020 April 2020	Quarterly Quarterly
Water Industry Act Referrals Natural Resources Wales Environment Agency - Welsh Region	April 2020 October 2017	Quarterly Quarterly
Groundwater Vulnerability Map Natural Resources Wales	June 2018	As notified
Bedrock Aquifer Designations Natural Resources Wales	January 2018	Annually
Superficial Aquifer Designations Natural Resources Wales	January 2018	Annually
Source Protection Zones Natural Resources Wales Environment Agency - Head Office	November 2016 October 2019	Annual Rolling Update Quarterly

Agency & Hydrological	Version	Update Cycle
Extreme Flooding from Rivers or Sea without Defences Natural Resources Wales	August 2019	Quarterly
Flooding from Rivers or Sea without Defences Natural Resources Wales	May 2020	Quarterly
Areas Benefiting from Flood Defences Natural Resources Wales	November 2019	Quarterly
Flood Water Storage Areas Natural Resources Wales	August 2019	Quarterly
Flood Defences Natural Resources Wales	November 2019	Quarterly
OS Water Network Lines Ordnance Survey	January 2020	Quarterly
Surface Water 1 in 30 year Flood Extent Natural Resources Wales	October 2013	Annually
Surface Water 1 in 100 year Flood Extent Natural Resources Wales	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Natural Resources Wales	October 2013	Annually
Surface Water Suitability Natural Resources Wales	October 2013	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Natural Resources Wales	July 2017	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Welsh Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency Wales - North Area Natural Resources Wales	November 2019 November 2019	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency Wales - North Area Natural Resources Wales	April 2020 April 2020	Quarterly Quarterly
Local Authority Landfill Coverage Wrexham County Borough Council	May 2000	Not Applicable
Local Authority Recorded Landfill Sites Wrexham County Borough Council	June 2003	Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency Wales - North Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency Wales - North Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency Wales - North Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Wrexham County Borough Council - Planning Department	February 2016	Variable
Planning Hazardous Substance Consents Wrexham County Borough Council - Planning Department	February 2016	Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2019	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	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	January 2019	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	January 2020	Quarterly
Fuel Station Entries Catalist Ltd - Experian	April 2020	Quarterly
Gas Pipelines National Grid	July 2014	
Points of Interest - Commercial Services PointX	March 2020	Quarterly
Points of Interest - Education and Health PointX	March 2020	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2020	Quarterly
Points of Interest - Public Infrastructure PointX	March 2020	Quarterly
Points of Interest - Recreational and Environmental PointX	March 2020	Quarterly
Underground Electrical Cables National Grid	October 2019	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural Resources Wales	August 2018	Bi-Annually
Areas of Adopted Green Belt Wrexham County Borough Council	February 2020	As notified
Areas of Unadopted Green Belt Wrexham County Borough Council	February 2020	As notified
Areas of Outstanding Natural Beauty Natural Resources Wales	June 2019	Bi-Annually
Environmentally Sensitive Areas The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Wrexham County Borough Council	August 2018	Bi-Annually
Marine Nature Reserves Natural Resources Wales	August 2018	Bi-Annually
National Nature Reserves Natural Resources Wales	June 2019	Bi-Annually
National Parks Natural Resources Wales	August 2018	Annually
Nitrate Vulnerable Zones Natural Resources Wales The National Assembly for Wales - GI Services (Department of Planning & Countryside)	July 2019 October 2005	Bi-Annually
Ramsar Sites Natural Resources Wales	July 2019	Bi-Annually
Sites of Special Scientific Interest Natural Resources Wales	March 2020	Bi-Annually
Special Areas of Conservation Natural Resources Wales	August 2018	Bi-Annually
Special Protection Areas Natural Resources Wales	August 2018	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
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	
Peter Brett Associates	

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	Natural Resources Wales Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
3	Wrexham County Borough Council - Environmental Health Department Crown Buildings, P O Box 1297, Wrexham, Clwyd, LL13 8ZE	Telephone: 01978 297038 Fax: 01978 292502 Website: www.wrexham.gov.uk
4	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Wrexham County Borough Council Lampet Street, Guildhall, Wrexham, Clwyd, LL11 1WL	Telephone: 01978 292000 Fax: 01978 292502 Website: www.wrexham.gov.uk
7	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
8	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.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 Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

243108924_1_1

Customer Reference:

31013LG

National Grid Reference:

338850, 348800

Slice:

D

Site Area (Ha):

14.3

Search Buffer (m):

1000

Site Details:

Site at
Marchwiell
Wrexham

Client Details:

MR W Baldwin
Sutcliffe Projects Ltd
18-20 Harrington Street
Liverpool
L2 9QA

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	6
Hazardous Substances	-
Geological	7
Industrial Land Use	10
Sensitive Land Use	11
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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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Report Version v53.0

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 2				2
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
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 2				Yes
Pollution Incidents to Controlled Waters	pg 2				1
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 2		1		1
River Quality Biology Sampling Points	pg 3				1
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions					
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 3	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 4	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 4	Yes	n/a	n/a	n/a
Source Protection Zones	pg 4	2			1
Extreme Flooding from Rivers or Sea without Defences	pg 4	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 4		Yes	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 4				3

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					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 6	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)					
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 7	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 7	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 8	Yes	n/a	n/a	n/a
Mining Instability			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 8	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 8		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 8	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 8	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 8	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					
Fuel Station Entries					
Points of Interest - Commercial Services					
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 10				1
Points of Interest - Public Infrastructure					
Points of Interest - Recreational and Environmental					
Gas Pipelines					
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	pg 11		2	1	1
Areas of Adopted Green Belt					
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: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	338850 347850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D1SW (SE)	0	1	338950 348750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	338854 348000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	338300 348250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	0	1	338350 348000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	0	1	338950 348250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	338800 348350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	337950 348250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	337950 348100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	338000 347950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	0	1	338250 347950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	338300 348000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	338200 347950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NW)	16	1	338500 349200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(W)	35	1	338000 348550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(W)	240	1	337950 348550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	246	1	338450 349150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	270	1	338050 348600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	285	1	338050 348950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(W)	287	1	338300 348600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	318	1	338150 348750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	320	1	338050 348650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	D1SW (NE)	345	1	338854 348796
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	368	1	338100 348700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(W)	468	1	338150 348796
1	Discharge Consents Operator: Prysmian Cables & Systems Ltd Property Type: Not Supplied Location: Wrexham Ind Estate Wrexham, Wrexham Authority: Natural Resources Wales Catchment Area: CLYWEDOG - DEE TO GWENFRO Reference: CM0041701 Permit Version: 2 Effective Date: 4th October 1994 Issued Date: 4th October 1994 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Clywedog Status: Effective Positional Accuracy: Located by supplier to within 100m	D1SE (E)	976	2	339050 348820
1	Discharge Consents Operator: Bicc Cables Ltd Property Type: Insulated Wires & Cables Location: Wrexham Ind Estate Wrexham, Wrexham Authority: Natural Resources Wales Catchment Area: River Dee Reference: Cm0041701 Permit Version: 1 Effective Date: 25th April 1967 Issued Date: 25th April 1967 Revocation Date: 3rd October 1994 Discharge Type: Trade Effluent Discharge: Not Supplied Environment: Receiving Water: River Clywedog Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	D1SE (E)	976	2	339050 348820
	Nearest Surface Water Feature	D1SW (SW)	590	-	338755 348593
2	Pollution Incidents to Controlled Waters Property Type: Process Location: B I C C Authority: Environment Agency, Welsh Region Pollutant: Unknown Note: Not Supplied Incident Date: 19th June 1991 Incident Reference: 2821 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	D1SE (E)	998	3	339100 348800
	River Quality Name: Clywedog GQA Grade: River Quality B Reach: Conf.Redwither Bk. - O/F Five Fords Stw Estimated Distance (km): 4.8 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	D1NW (N)	62	3	338811 348911
	River Quality Name: Clywedog GQA Grade: River Quality B Reach: Conf.Dee - Conf.Red'R Bk. Estimated Distance (km): 4 Flow Rate: Flow less than 2.5 cumecs Flow Type: River Year: 2000	D1SW (N)	821	3	338858 348812

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	River Quality Biology Sampling Points Name: Clywedog (Dee) Reach: Confluence River Dee To Confluence Red'R Brook Estimated Distance: 4.00 Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 1995 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2000 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2002 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2003 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2004 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2005 GQA Grade: River Quality Biology GQA Grade A - Very Good Year: 2006 GQA Grade: River Quality Biology GQA Grade A - Very Good Year: 2007 GQA Grade: River Quality Biology GQA Grade A - Very Good Year: 2008 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2009 GQA Grade: River Quality Biology GQA Grade B - Good	D1NW (N)	934	3	338800 349000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial: >90% Patchiness: >10m Superficial Thickness: >10m Superficial Recharge: Low	(SW)	0	2	338000 348000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Intergranular Dilution: 300-550 mm/year Baseflow Index: <40% Superficial: >90% Patchiness: >10m Superficial Thickness: >10m Superficial Recharge: Low	(S)	0	2	338854 348000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial: >90% Patchiness: >10m Superficial Thickness: >10m Superficial Recharge: Low	(SW)	0	2	338000 348323

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	D1SW (S)	0	2	338800 348648
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	D1SW (NE)	0	2	338854 348796
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(NW)	0	2	338419 349140
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	D1SW (S)	0	2	338800 348648
4	Source Protection Zones Name: Not Supplied Source: Natural Resources Wales Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	D1SW (W)	0	2	338664 348836
5	Source Protection Zones Name: Not Supplied Source: Natural Resources Wales Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	D1SW (W)	0	2	338839 348798
6	Source Protection Zones Name: Not Supplied Source: Natural Resources Wales Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	(NW)	765	2	338288 349072
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	D1SW (N)	0	2	338855 348800
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	D1SW (N)	86	2	338854 348805
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
7	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 422.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 1	D1NW (NW)	689	5	338719 348923

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 941.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Afon Clywedog Catchment Name: Dee Primacy: 1	D1SW (N)	871	5	338871 348851
9	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 376.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Redwither Brook Catchment Name: Dee Primacy: 1	D1NW (N)	897	5	338831 348998

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Wrexham County Borough Council - Has supplied landfill data		0	6	338854 348796

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Permian Rocks (Undifferentiated)	D1SW (NE)	0	1	338854 348796
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	(NW)	0	1	338500 349000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	D1SW (NE)	131	1	338861 348809
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	D1SW (NE)	303	1	338854 348796
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 15 - 30 mg/kg	D1SE (E)	643	1	339000 348796
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 15 - 30 mg/kg	D1SE (SE)	643	1	339026 348664
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	D1SW (N)	880	1	338873 348869

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: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	D1SE (E)	932	1	339000 348808
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	D1SE (E)	996	1	339063 348853
	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.	D1SW (NE)	0	7	338854 348796
	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	D1SW (NE)	0	1	338854 348796
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1SW (NE)	55	1	338861 348809
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1SW (NE)	0	1	338854 348796
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D1SW (NE)	62	1	338861 348809
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1SW (NE)	0	1	338854 348796
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1SW (NE)	0	1	338854 348796
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1SW (NE)	0	1	338854 348796
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D1SW (NE)	62	1	338861 348809
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1SW (NE)	0	1	338861 348809
	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	D1SW (NE)	0	1	338854 348796

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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	D1SW (NE)	0	1	338854 348796

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Points of Interest - Manufacturing and Production Name: Land NW of Pickhill Bridge Farm - Solar Photovoltaics (DECC) Location: Pickhill Bridge Farm, Holt Road, Cross Lanes, Wrexham, LL13 Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to address or location	D1SW (SW)	665	8	338740 348686

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Ancient Woodland Name: Not Supplied Reference: 30644 Area(m²): 4673.51 Type: Ancient and Semi-Natural Woodland	(SW)	38	2	338213 347891
12	Ancient Woodland Name: Not Supplied Reference: 33342 Area(m²): 3117.23 Type: Ancient and Semi-Natural Woodland	(S)	55	2	338523 347998
13	Ancient Woodland Name: Not Supplied Reference: 33343 Area(m²): 13754.78 Type: Ancient and Semi-Natural Woodland	(S)	274	2	339069 348223
14	Ancient Woodland Name: Not Supplied Reference: 33344 Area(m²): 4355.22 Type: Ancient and Semi-Natural Woodland	(SE)	740	2	339129 348244

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Wrexham County Borough Council - Public Protection Department Chester City Council (now part of Cheshire West and Chester Council) - Environmental Health Department Cheshire West and Chester Council - Environmental Health Department	April 2016 August 2008 November 2013	Annually Not Applicable Annually
Discharge Consents Natural Resources Wales Environment Agency - Welsh Region	April 2020 August 2014	Quarterly Quarterly
Enforcement and Prohibition Notices Environment Agency - North West Region Environment Agency - Welsh Region	March 2013 March 2013	Annual Rolling Update Annual Rolling Update
Integrated Pollution Controls Environment Agency - North West Region Environment Agency - Welsh Region	October 2008 October 2008	Variable Variable
Integrated Pollution Prevention And Control Environment Agency - North West Region Environment Agency - Welsh Region Natural Resources Wales	April 2020 April 2020 April 2020	Quarterly Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Wrexham County Borough Council - Environmental Health Department Chester City Council (now part of Cheshire West and Chester Council) - Environmental Health Department Cheshire West and Chester Council - Environmental Health Department	April 2014 December 2008 July 2015	Variable Not Applicable Variable
Local Authority Pollution Prevention and Controls Wrexham County Borough Council - Environmental Health Department Chester City Council (now part of Cheshire West and Chester Council) - Environmental Health Department Cheshire West and Chester Council - Environmental Health Department	April 2014 December 2008 July 2015	Annual Rolling Update Not Applicable Annually
Local Authority Pollution Prevention and Control Enforcements Wrexham County Borough Council - Environmental Health Department Chester City Council (now part of Cheshire West and Chester Council) - Environmental Health Department Cheshire West and Chester Council - Environmental Health Department	April 2014 December 2008 July 2015	Variable Not Applicable Variable
Nearest Surface Water Feature Ordnance Survey	April 2020	
Pollution Incidents to Controlled Waters Environment Agency - Welsh Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - North West Region Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013 March 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - North West Region Environment Agency - Welsh Region Natural Resources Wales	March 2013 March 2013 March 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Registered Radioactive Substances Natural Resources Wales Environment Agency - North West Region Environment Agency - Welsh Region	January 2015 June 2016 June 2016	Annually
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually

Agency & Hydrological	Version	Update Cycle
Substantiated Pollution Incident Register Environment Agency - North West Region - South Area Environment Agency Wales - North Area Natural Resources Wales	April 2020 April 2020 April 2020	Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - Welsh Region Natural Resources Wales	April 2020 April 2020	Quarterly Quarterly
Water Industry Act Referrals Natural Resources Wales Environment Agency - North West Region Environment Agency - Welsh Region	April 2020 October 2017 October 2017	Quarterly Quarterly Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office Natural Resources Wales	June 2018 June 2018	As notified As notified
Bedrock Aquifer Designations Environment Agency - Head Office Natural Resources Wales	January 2018 January 2018	Annually Annually
Superficial Aquifer Designations Environment Agency - Head Office Natural Resources Wales	January 2018 January 2018	Annually Annually
Source Protection Zones Natural Resources Wales Environment Agency - Head Office	November 2016 October 2019	Annual Rolling Update Quarterly
Extreme Flooding from Rivers or Sea without Defences Natural Resources Wales	August 2019	Quarterly
Flooding from Rivers or Sea without Defences Natural Resources Wales	May 2020	Quarterly
Areas Benefiting from Flood Defences Natural Resources Wales	November 2019	Quarterly
Flood Water Storage Areas Natural Resources Wales	August 2019	Quarterly
Flood Defences Natural Resources Wales	November 2019	Quarterly
OS Water Network Lines Ordnance Survey	January 2020	Quarterly
Surface Water 1 in 30 year Flood Extent Natural Resources Wales	October 2013	Annually
Surface Water 1 in 100 year Flood Extent Natural Resources Wales	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Natural Resources Wales	October 2013	Annually
Surface Water Suitability Natural Resources Wales	October 2013	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Natural Resources Wales	July 2017	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North West Region Environment Agency - Welsh Region	October 2008 October 2008	Not Applicable Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North West Region - South Area Environment Agency Wales - North Area Natural Resources Wales	November 2019 November 2019 November 2019	Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North West Region - South Area Environment Agency Wales - North Area Natural Resources Wales	April 2020 April 2020 April 2020	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Cheshire County Council (now part of Cheshire East Council) - Environmental Planning Department Chester City Council (now part of Cheshire West and Chester Council) - Environmental Health Department Wrexham County Borough Council	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Cheshire County Council (now part of Cheshire East Council) - Environmental Planning Department Wrexham County Borough Council Chester City Council (now part of Cheshire West and Chester Council) - Environmental Health Department	February 2005 June 2003 May 2000	Not Applicable Not Applicable Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency - North West Region - South Area Environment Agency Wales - North Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - North West Region - South Area Environment Agency Wales - North Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - North West Region - South Area Environment Agency Wales - North Area	March 2003 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Cheshire West and Chester Council - Planning Department Wrexham County Borough Council - Planning Department Cheshire County Council (now part of Cheshire East Council) - Planning Department Chester City Council (now part of Cheshire West and Chester Council)	April 2016 February 2016 July 2008 October 2008	Variable Variable Annual Rolling Update Not Applicable
Planning Hazardous Substance Consents Cheshire West and Chester Council - Planning Department Wrexham County Borough Council - Planning Department Cheshire County Council (now part of Cheshire East Council) - Planning Department Chester City Council (now part of Cheshire West and Chester Council)	April 2016 February 2016 July 2008 October 2008	Variable Variable Annual Rolling Update Not Applicable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2019	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	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	January 2019	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	January 2020	Quarterly
Fuel Station Entries Catalist Ltd - Experian	April 2020	Quarterly
Gas Pipelines National Grid	July 2014	
Points of Interest - Commercial Services PointX	March 2020	Quarterly
Points of Interest - Education and Health PointX	March 2020	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2020	Quarterly
Points of Interest - Public Infrastructure PointX	March 2020	Quarterly
Points of Interest - Recreational and Environmental PointX	March 2020	Quarterly
Underground Electrical Cables National Grid	October 2019	

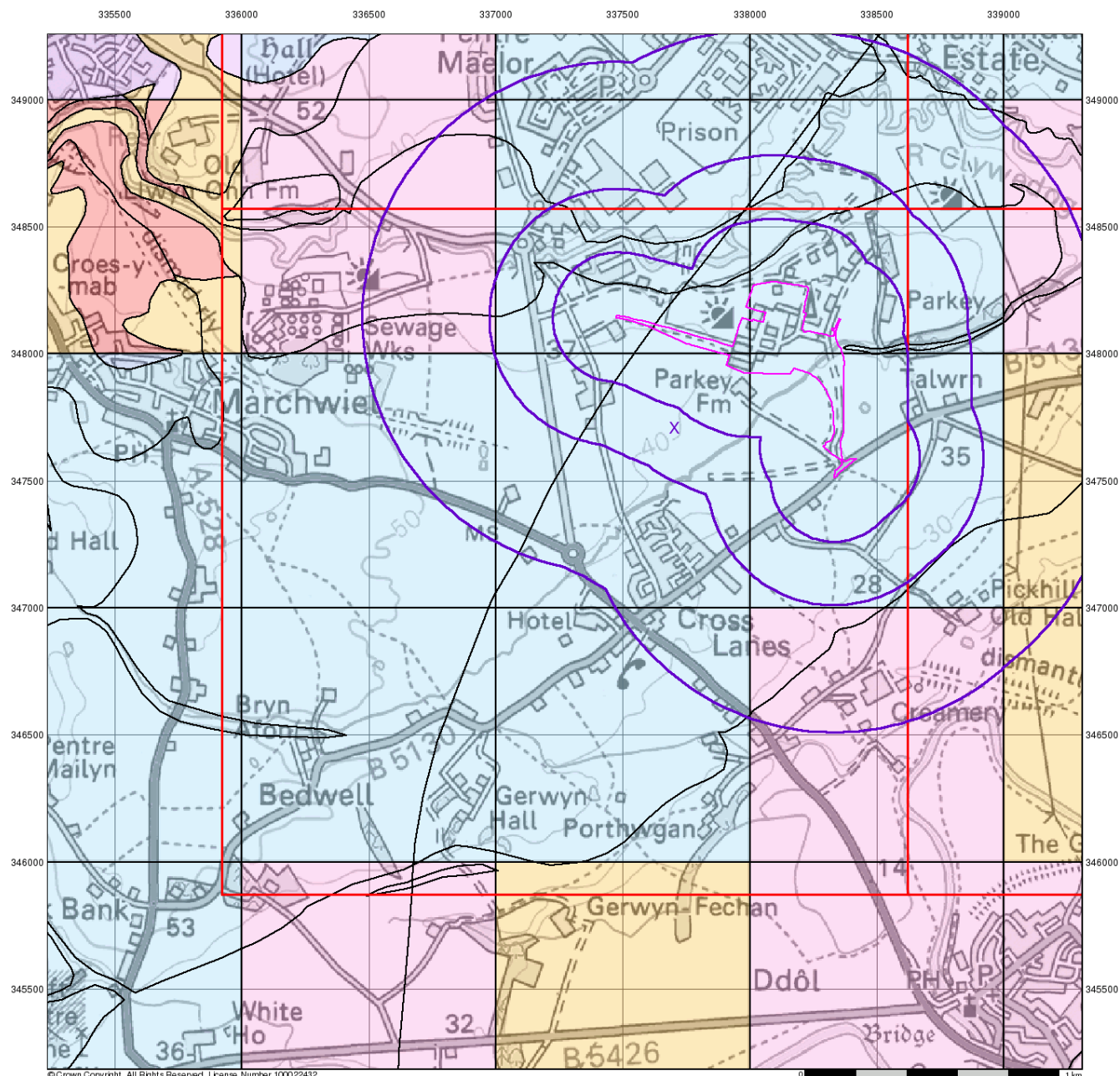
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England Natural Resources Wales	April 2020 August 2018	Bi-Annually Bi-Annually
Areas of Adopted Green Belt Cheshire West and Chester Council - Planning Department Chester City Council (now part of Cheshire West and Chester Council) Wrexham County Borough Council	February 2020 February 2020 February 2020	As notified As notified As notified
Areas of Unadopted Green Belt Cheshire West and Chester Council - Planning Department Chester City Council (now part of Cheshire West and Chester Council) Wrexham County Borough Council	February 2020 February 2020 February 2020	As notified As notified As notified
Areas of Outstanding Natural Beauty Natural England Natural Resources Wales	June 2019 June 2019	Bi-Annually Bi-Annually
Environmentally Sensitive Areas Natural England The National Assembly for Wales - GI Services (Department of Planning & Countryside)	January 2017 January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England Wrexham County Borough Council	April 2020 August 2018	Bi-Annually Bi-Annually
Marine Nature Reserves Natural Resources Wales	August 2018	Bi-Annually
National Nature Reserves Natural Resources Wales	June 2019	Bi-Annually
National Parks Natural England Natural Resources Wales	April 2017 August 2018	Bi-Annually Annually
Nitrate Vulnerable Zones Natural Resources Wales The National Assembly for Wales - GI Services (Department of Planning & Countryside)	July 2019 October 2005	Bi-Annually
Ramsar Sites Natural Resources Wales	July 2019	Bi-Annually
Sites of Special Scientific Interest Natural Resources Wales Natural England	March 2020 May 2020	Bi-Annually Bi-Annually
Special Areas of Conservation Natural Resources Wales Natural England	August 2018 June 2019	Bi-Annually Bi-Annually
Special Protection Areas Natural Resources Wales	August 2018	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
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	
Peter Brett Associates	

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	Natural Resources Wales Ty Cambria, 29 Newport Road, Cardiff, CF24 0TP	Telephone: 0300 065 3000 Email: enquiries@naturalresourceswales.gov.uk
3	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Wrexham County Borough Council Lampet Street, Guildhall, Wrexham, Clwyd, LL11 1WL	Telephone: 01978 292000 Fax: 01978 292502 Website: www.wrexham.gov.uk
7	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
8	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.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 Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



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Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers

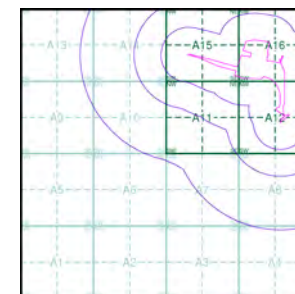
- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

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

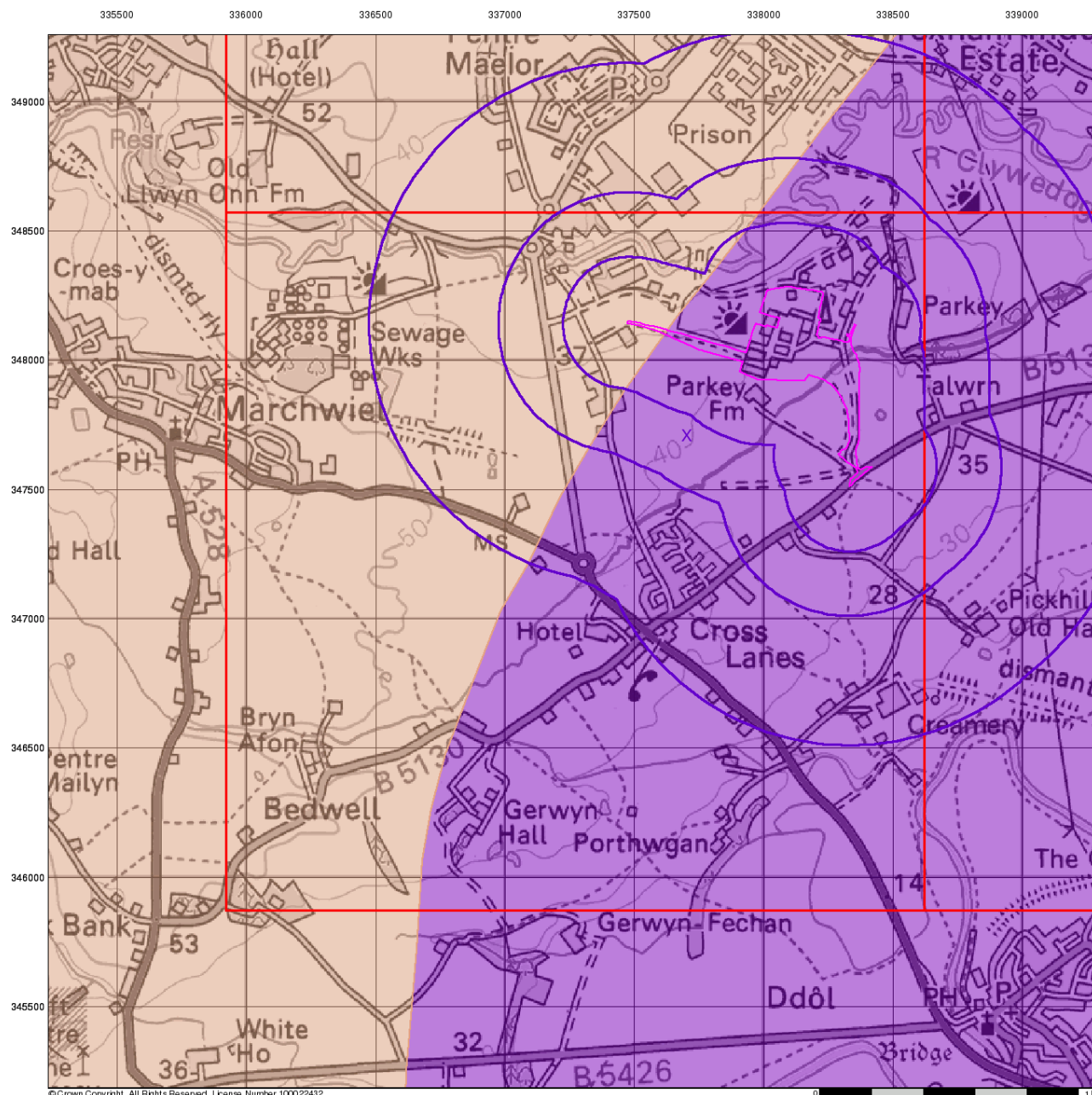
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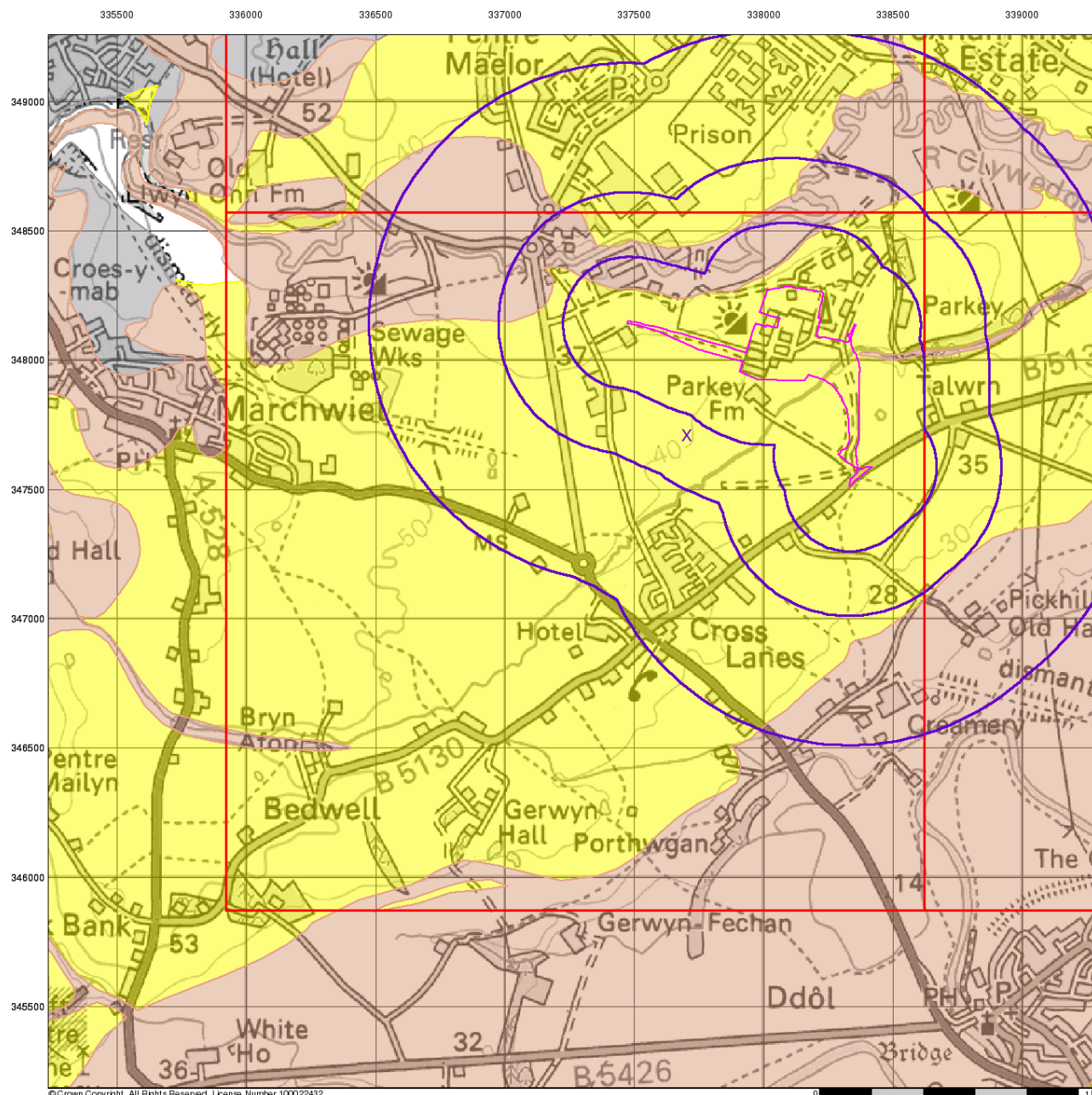
Site Details

Site at, Marchwiel, Wrexham



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Superficial Aquifer Designation

General

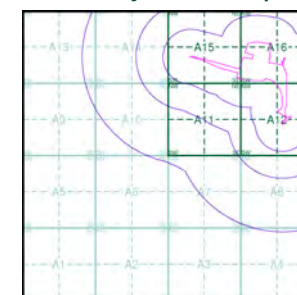
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

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

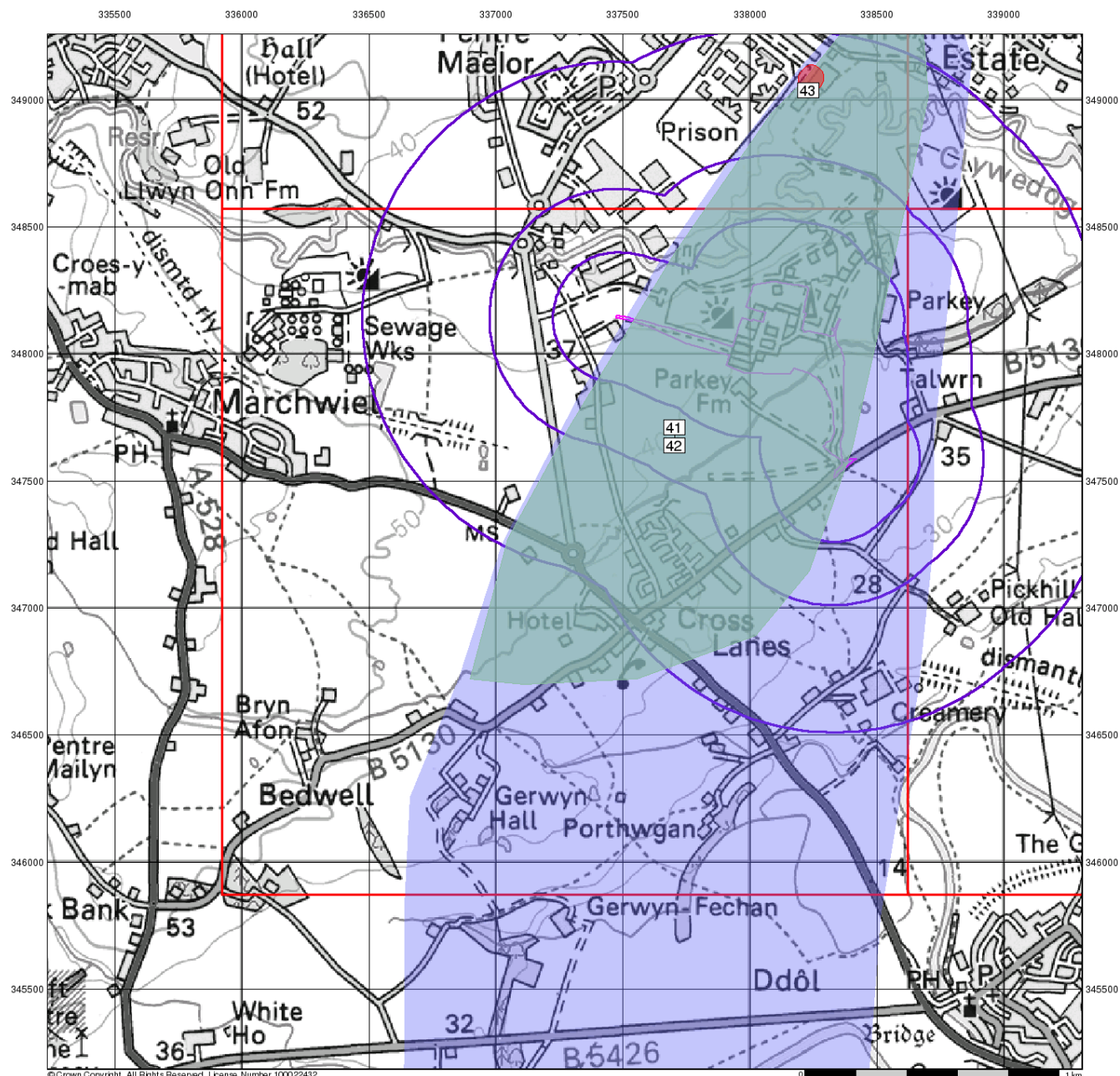
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 Search Buffer (m): 1000

Site Details

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Source Protection Zones

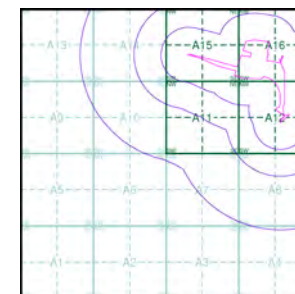
General

- ◇ 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



Order Details

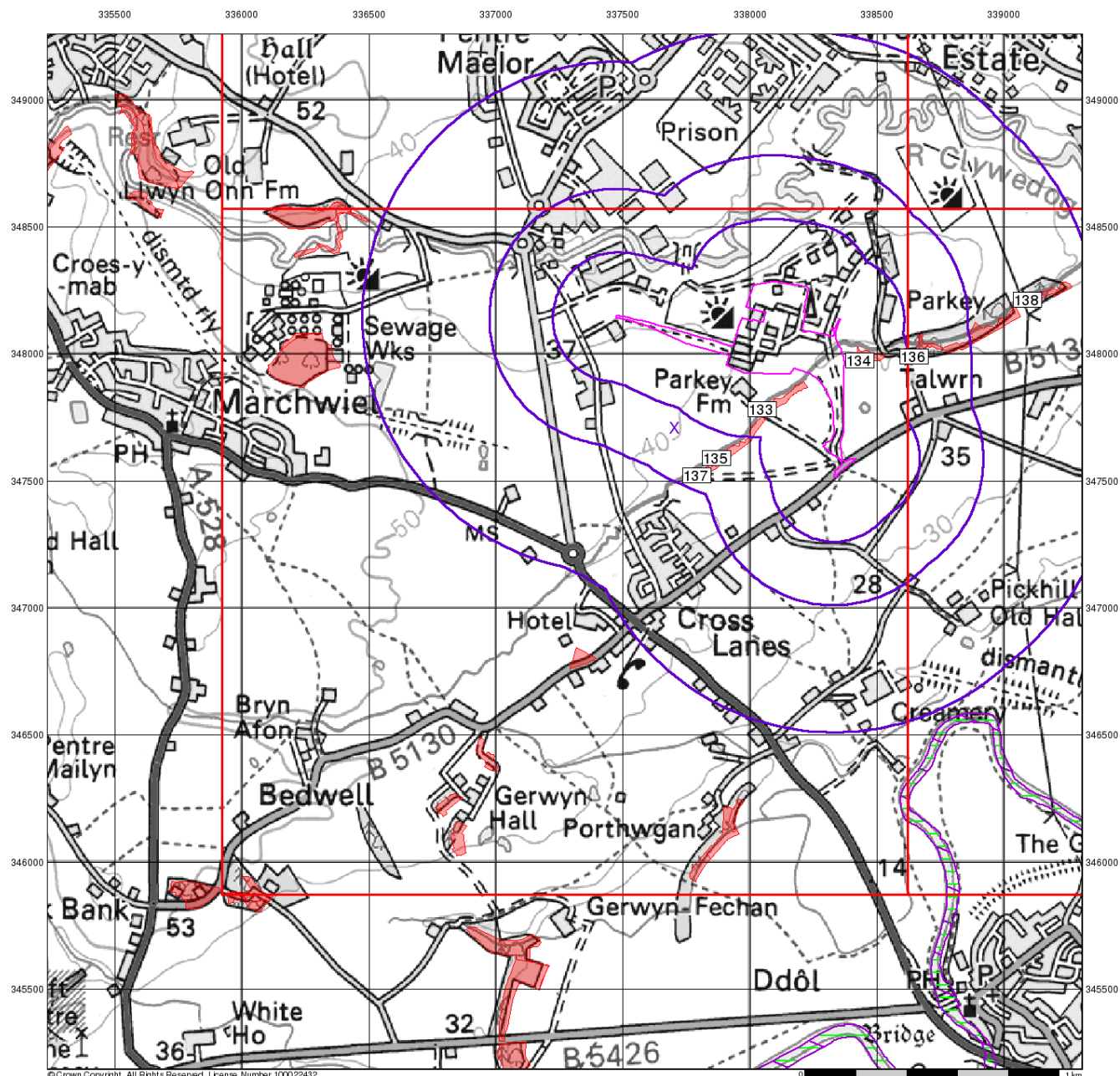
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Site Details

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Sensitive Land Uses

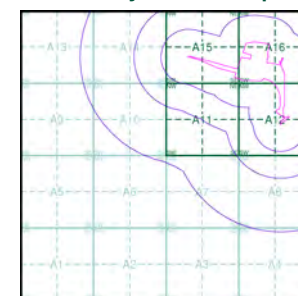
General

- ◇ 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

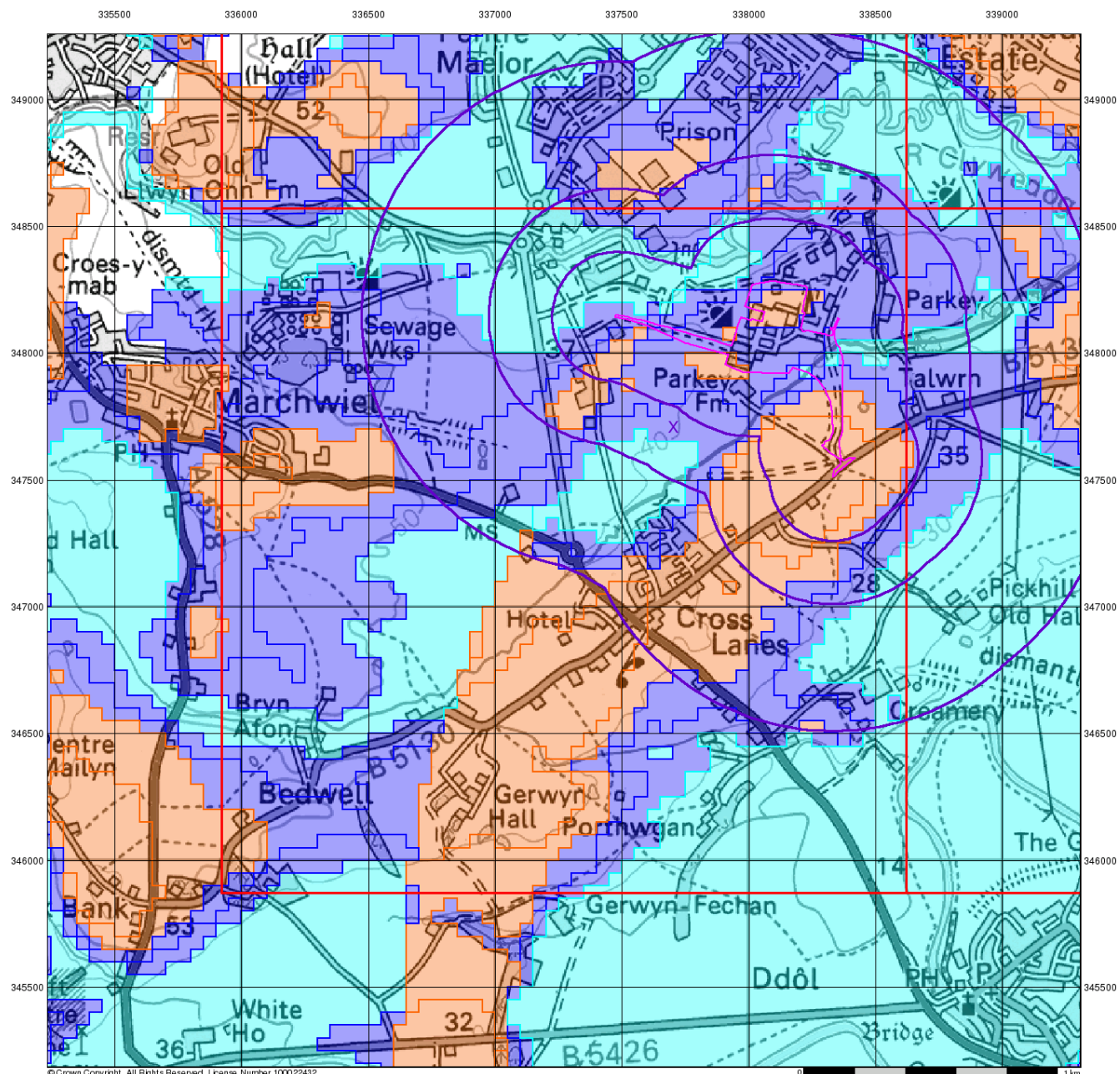
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 Site Area (Ha): 14.3
 Search Buffer (m): 1000

Site Details

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BGS Flood GFS Data

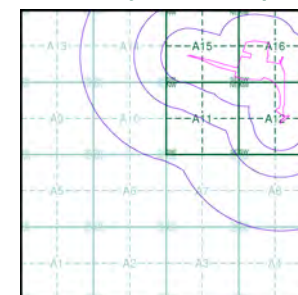
General

- 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

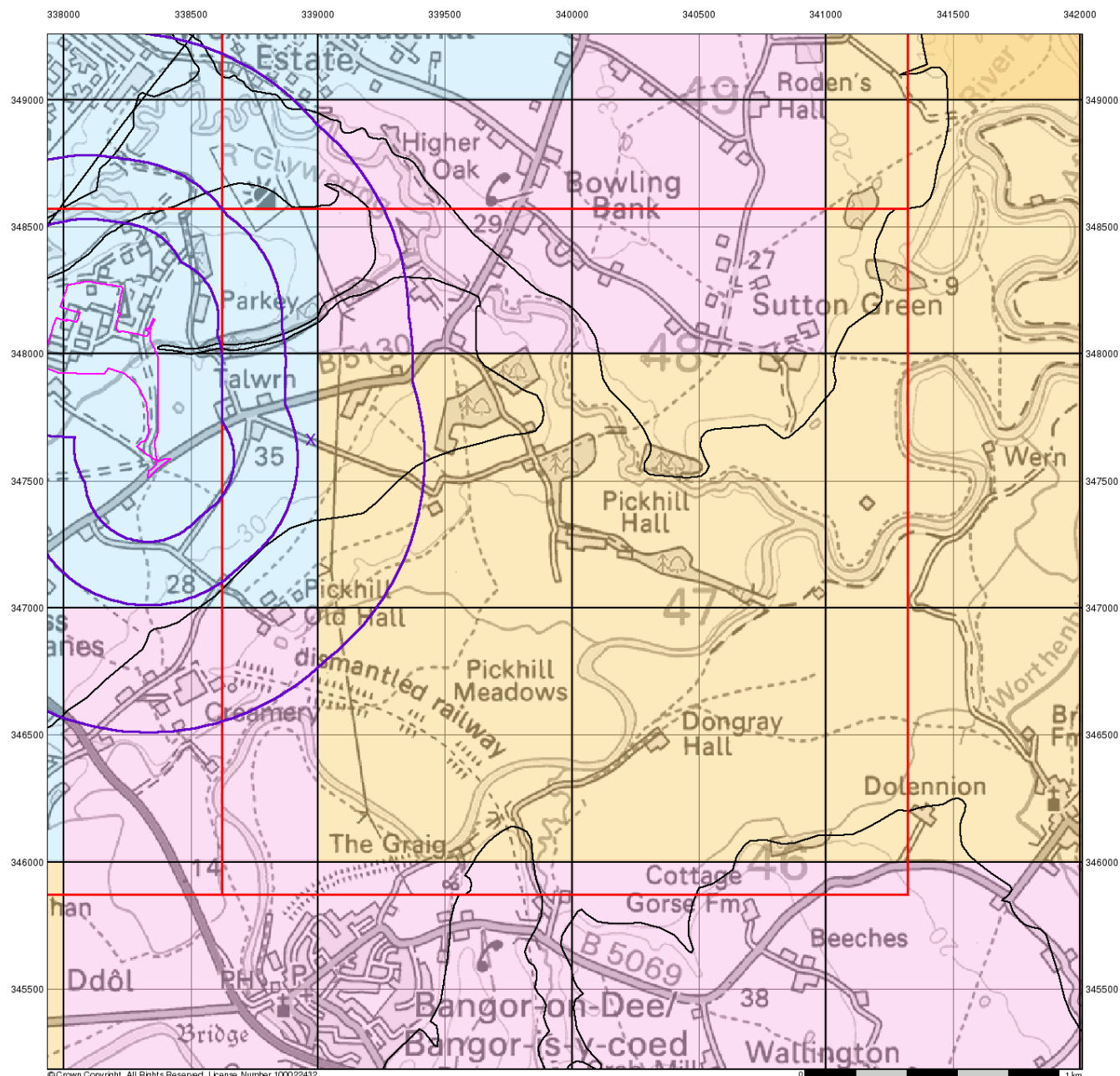
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0 1 km



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

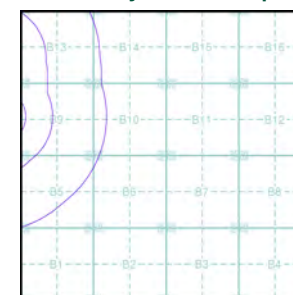
Superficial Aquifers

- 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 B



Order Details

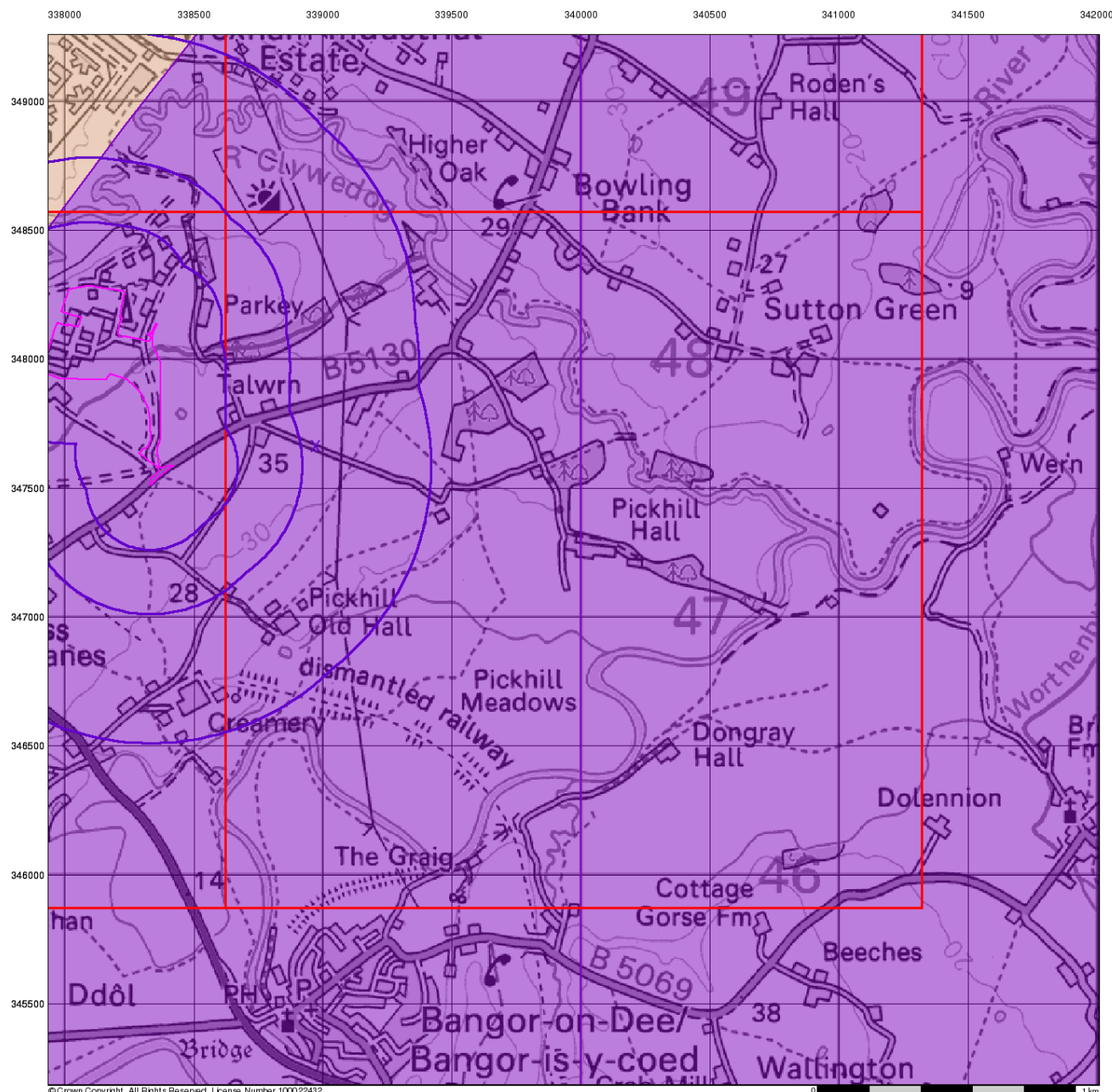
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 National Grid Reference: 338970, 347660
 Slice: B
 Site Area (Ha): 14.3
 Search Buffer (m): 1000

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0 1 km



Bedrock Aquifer Designation

General

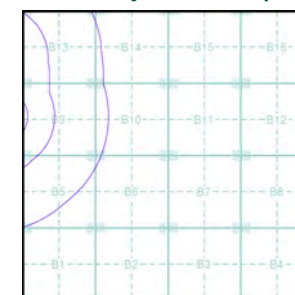
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

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 B



Order Details

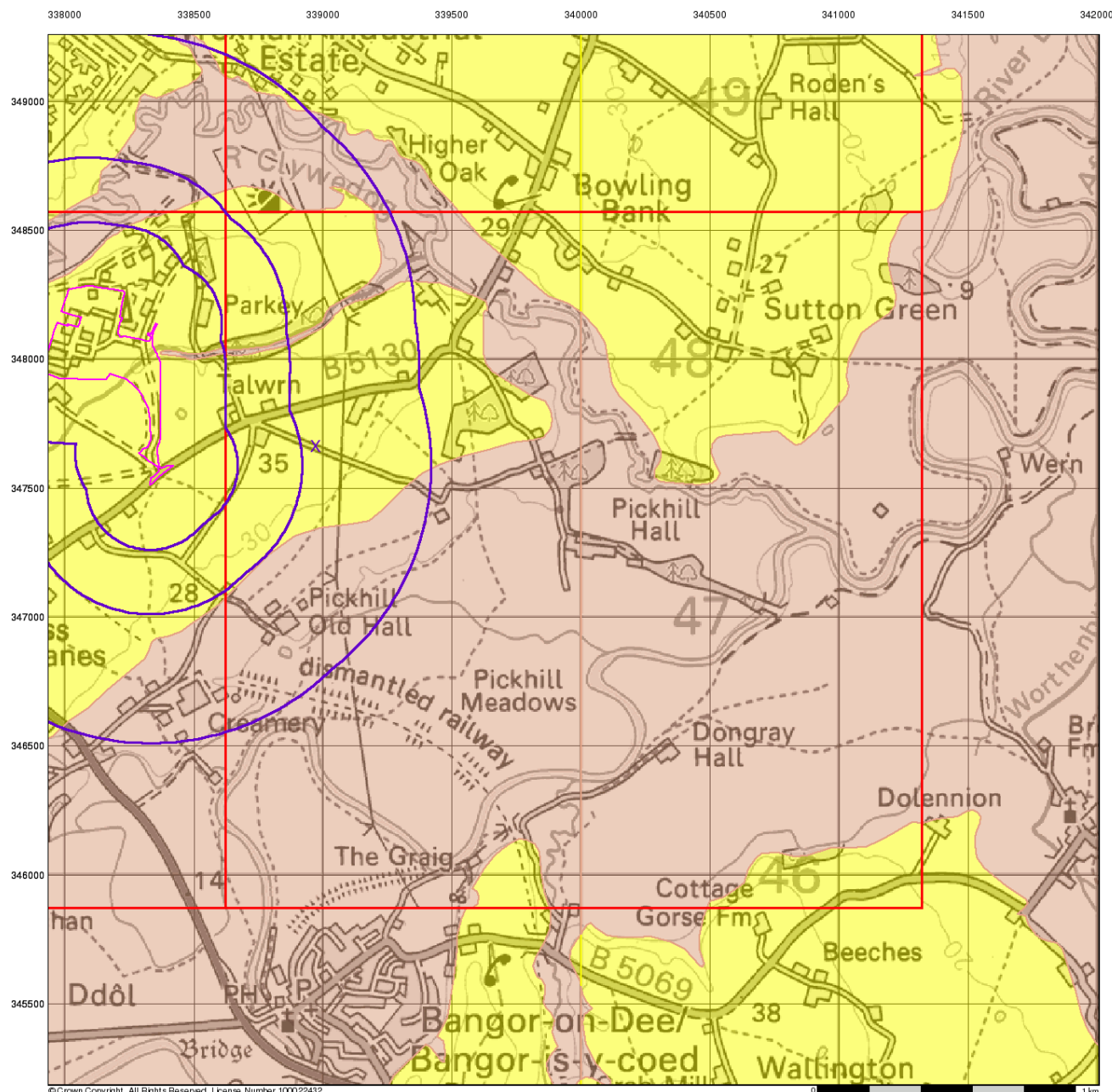
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 Customer Ref: 31013LG
 National Grid Reference: 338970, 347660
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 Site Area (Ha): 14.3
 Search Buffer (m): 1000

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0 1 km



Superficial Aquifer Designation

General

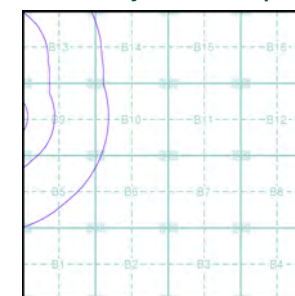
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

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 B



Order Details

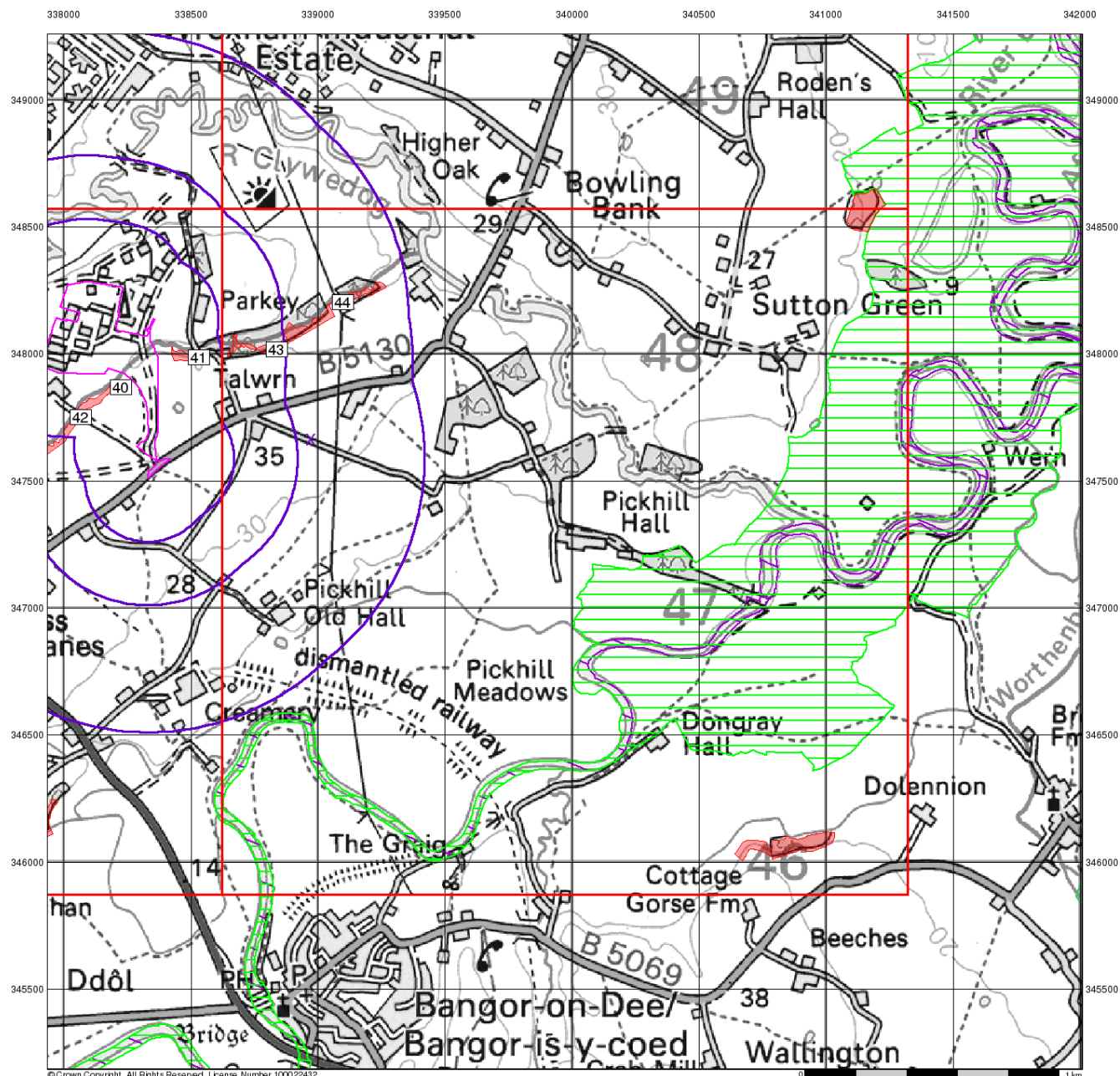
Order Number: 243108924_1_1
 Customer Ref: 31013LG
 National Grid Reference: 338970, 347660
 Slice: B
 Site Area (Ha): 14.3
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Sensitive Land Uses

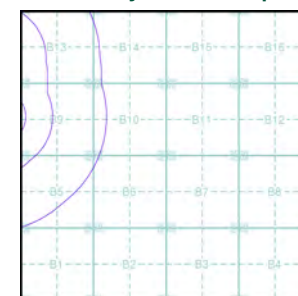
General

- ◇ 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
- 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 B



Order Details

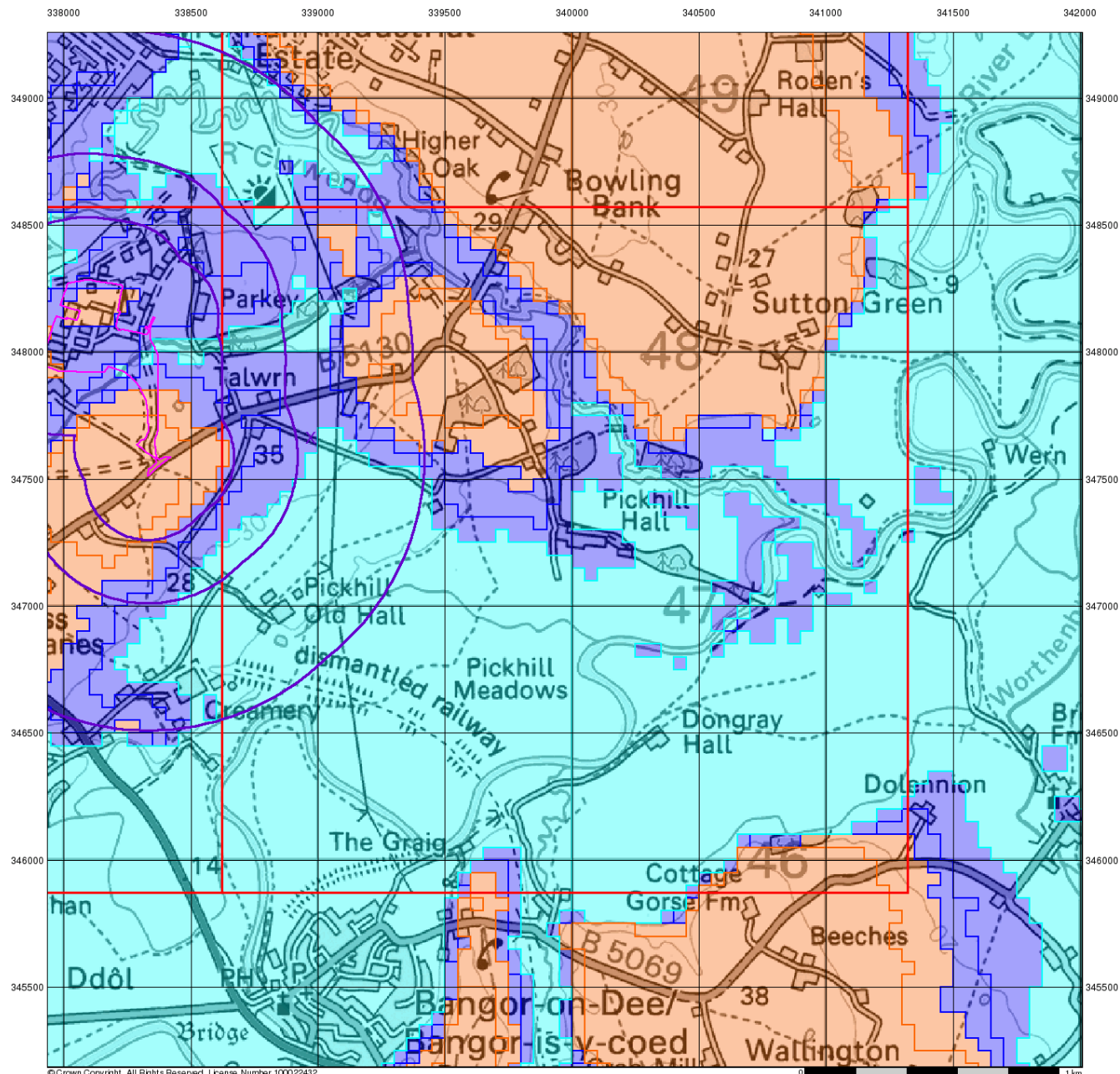
Order Number: 243108924_1_1
 Customer Ref: 31013LG
 National Grid Reference: 338970, 347660
 Slice: B
 Site Area (Ha): 14.3
 Search Buffer (m): 1000

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BGS Flood GFS Data

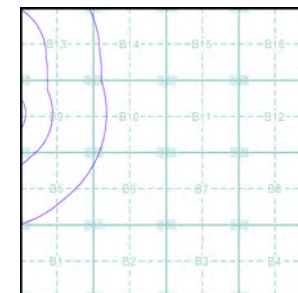
General

- 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 B



Order Details

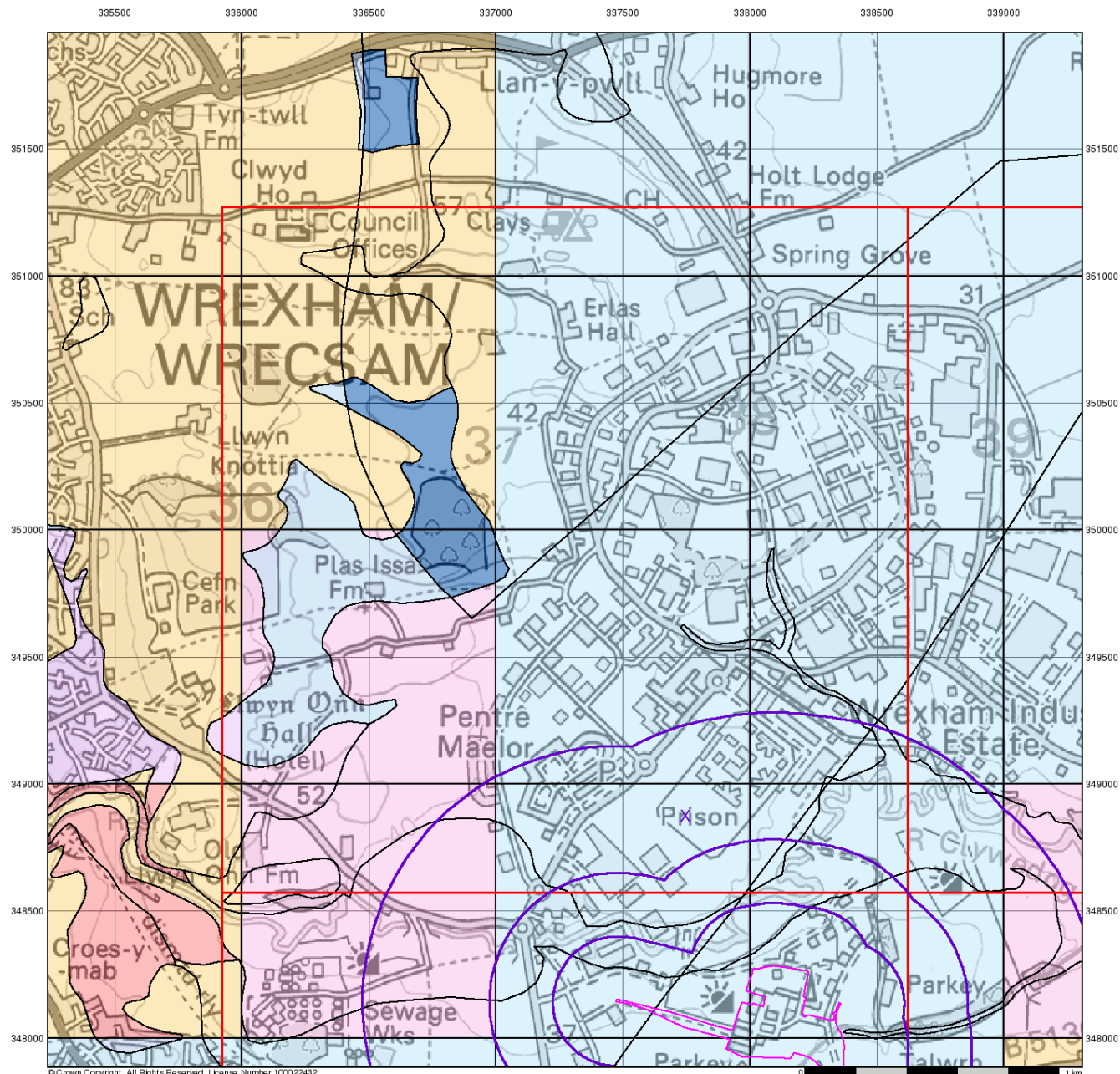
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 Customer Ref: 31013LG
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 Slice: B
 Site Area (Ha): 14.3
 Search Buffer (m): 1000

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Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers

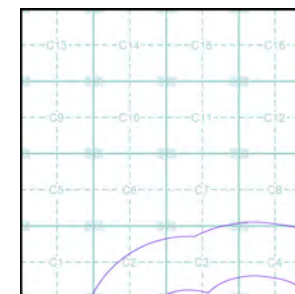
- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Superficial Aquifers

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

- Unproductive Aquifer
- Soluble Rock

Site Sensitivity Context Map - Slice C



Order Details

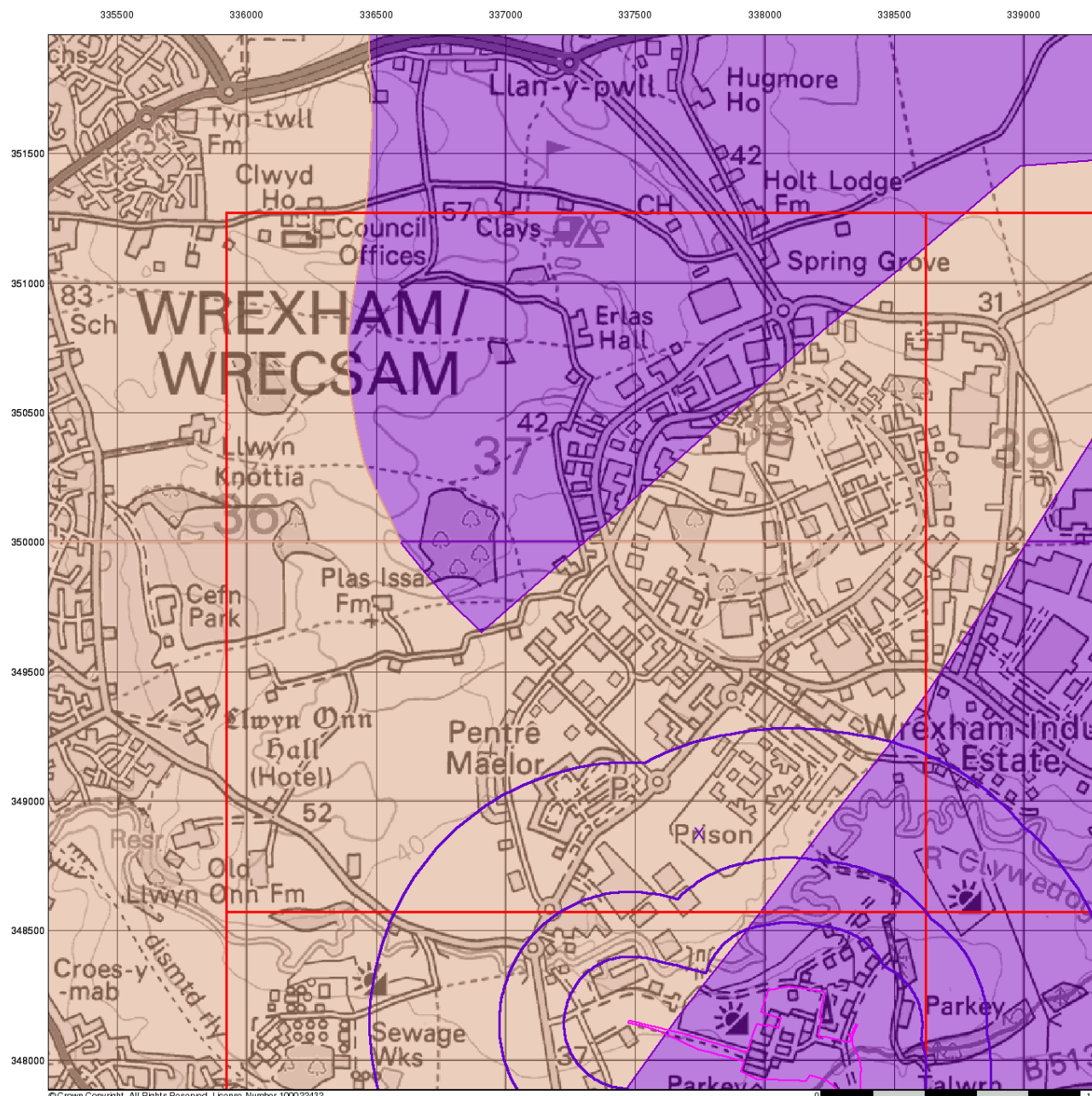
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 Slice: C
 Site Area (Ha): 14.3
 Search Buffer (m): 1000

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0 1 km



Bedrock Aquifer Designation

General

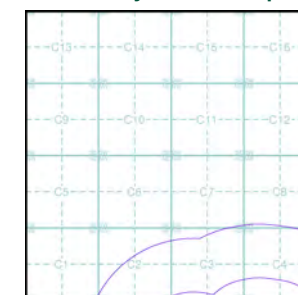
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice C



Order Details

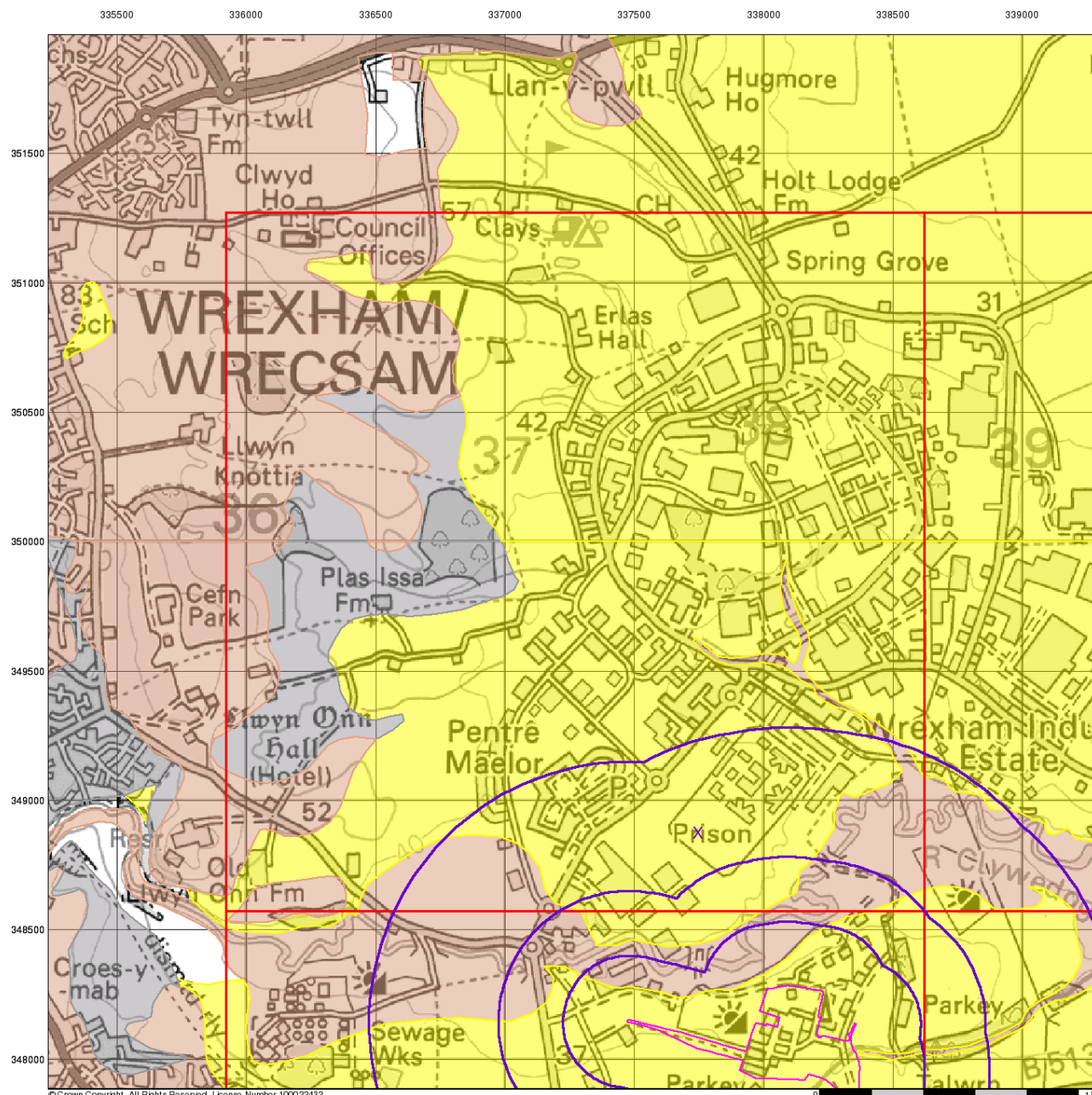
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 Search Buffer (m): 1000

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Superficial Aquifer Designation

General

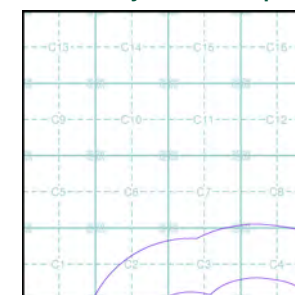
- ◇ Specified Site
- ◇ Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice C



Order Details

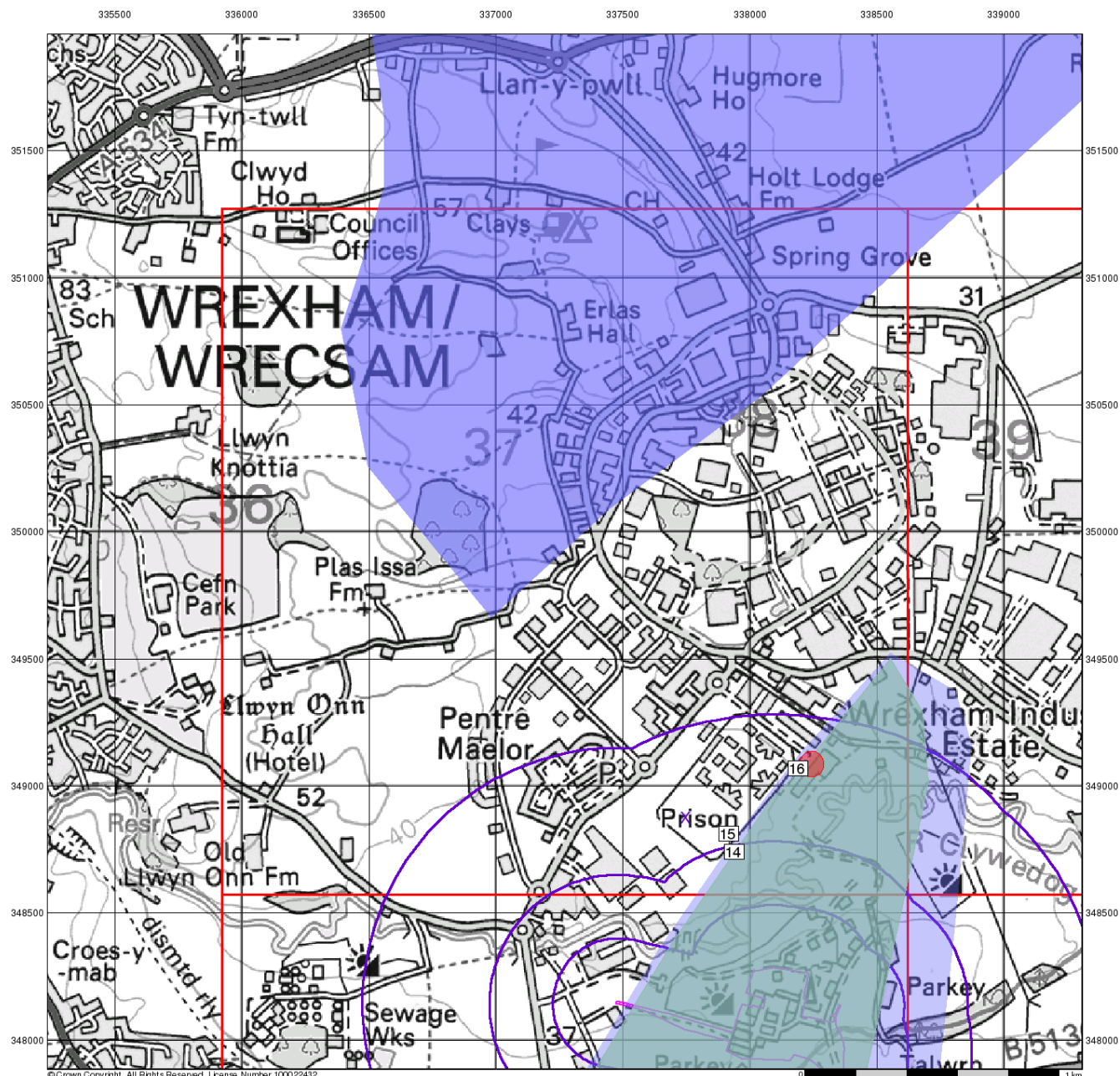
Order Number: 243108924_1_1
 Customer Ref: 31013LG
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 Site Area (Ha): 14.3
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Source Protection Zones

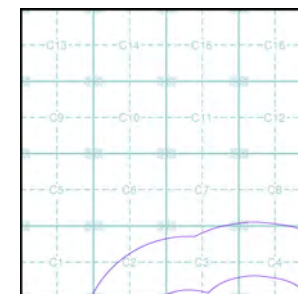
General

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



Order Details

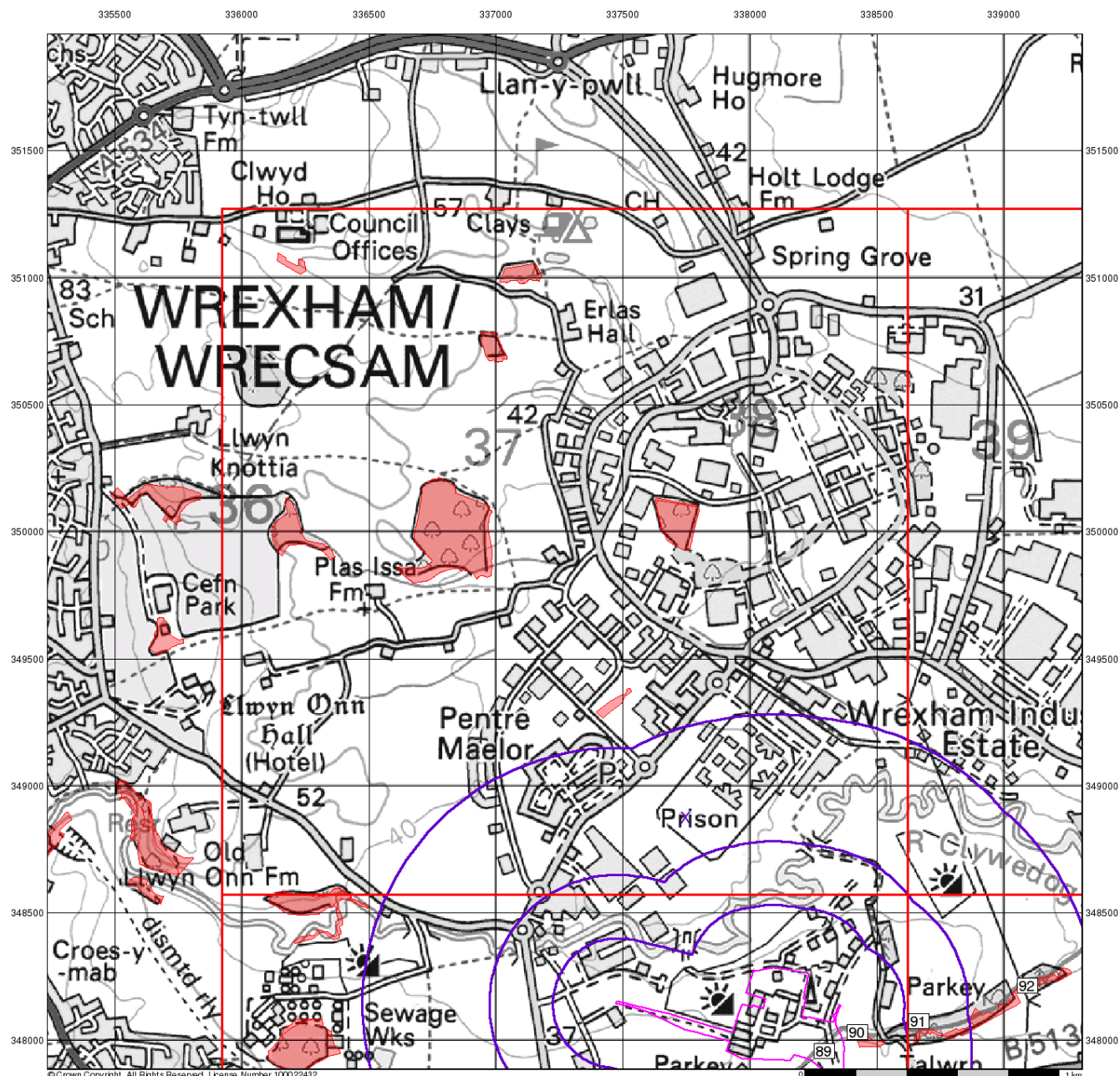
Order Number: 243108924_1_1
 Customer Ref: 31013LG
 National Grid Reference: 337750, 348870
 Slice: C
 Site Area (Ha): 14.3
 Search Buffer (m): 1000

Site Details

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Sensitive Land Uses

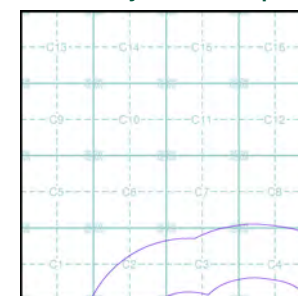
General

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



Order Details

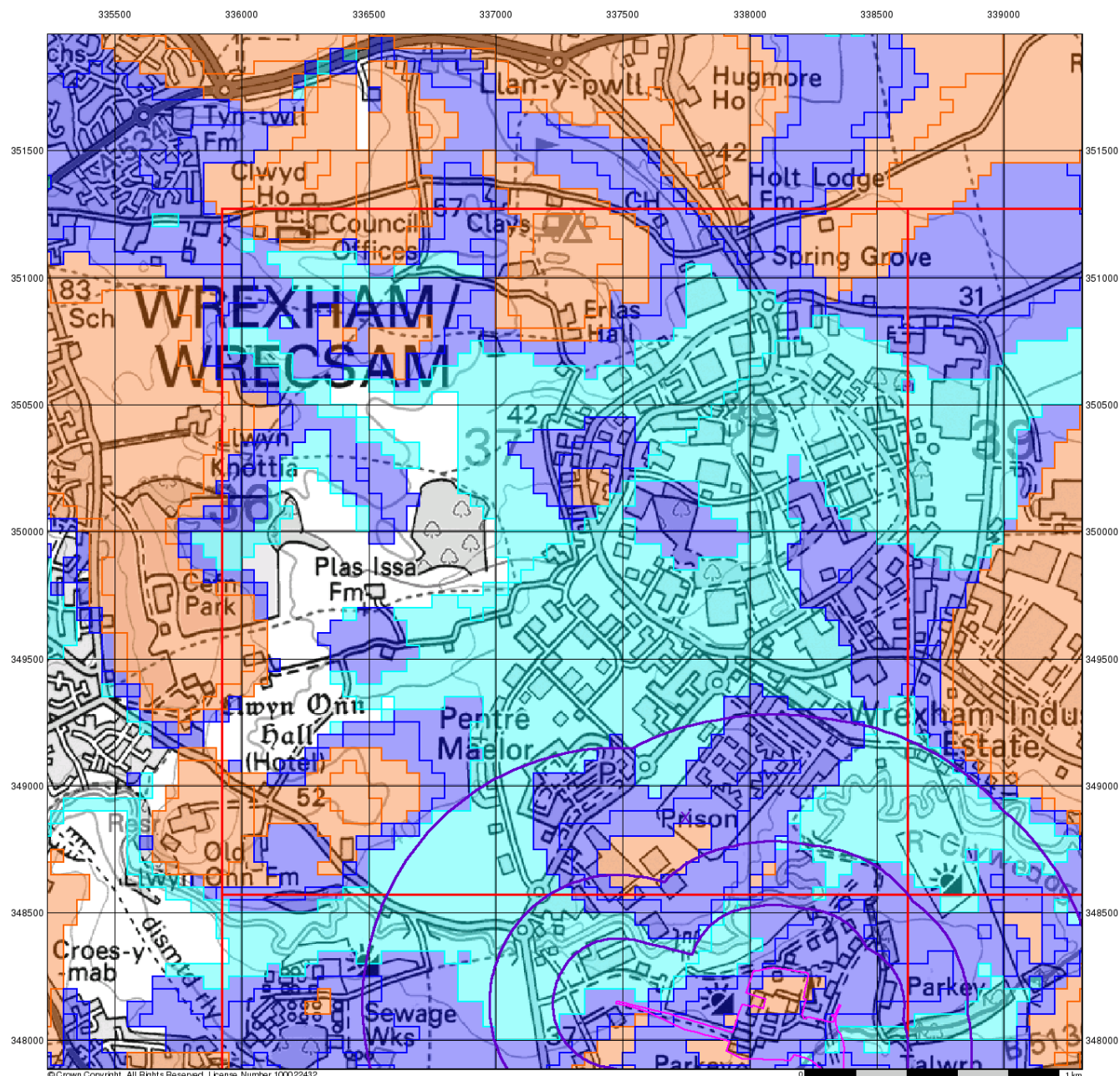
Order Number: 243108924_1_1
 Customer Ref: 31013LG
 National Grid Reference: 337750, 348870
 Slice: C
 Site Area (Ha): 14.3
 Search Buffer (m): 1000

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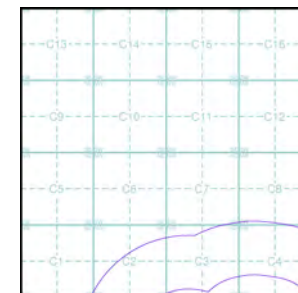
General

- 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 C



Order Details

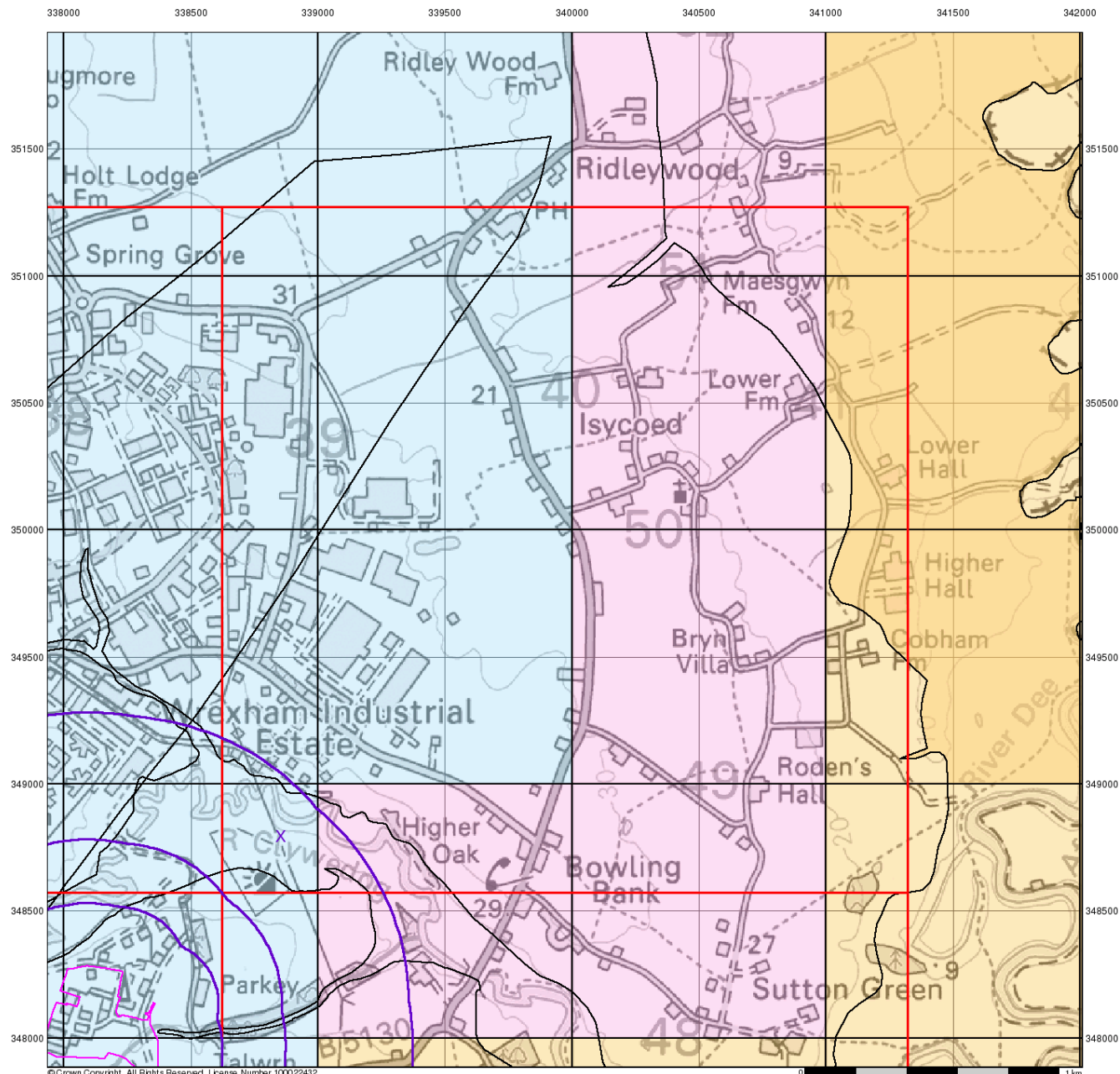
Order Number: 243108924_1_1
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Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers

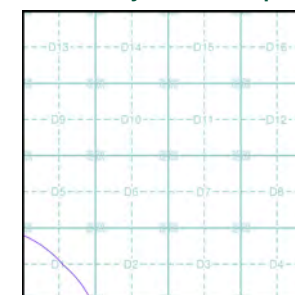
- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Superficial Aquifers

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

- Unproductive Aquifer
- Soluble Rock

Site Sensitivity Context Map - Slice D



Order Details

Order Number: 243108924_1_1
 Customer Ref: 31013LG
 National Grid Reference: 338850, 348800
 Slice: D
 Site Area (Ha): 14.3
 Search Buffer (m): 1000

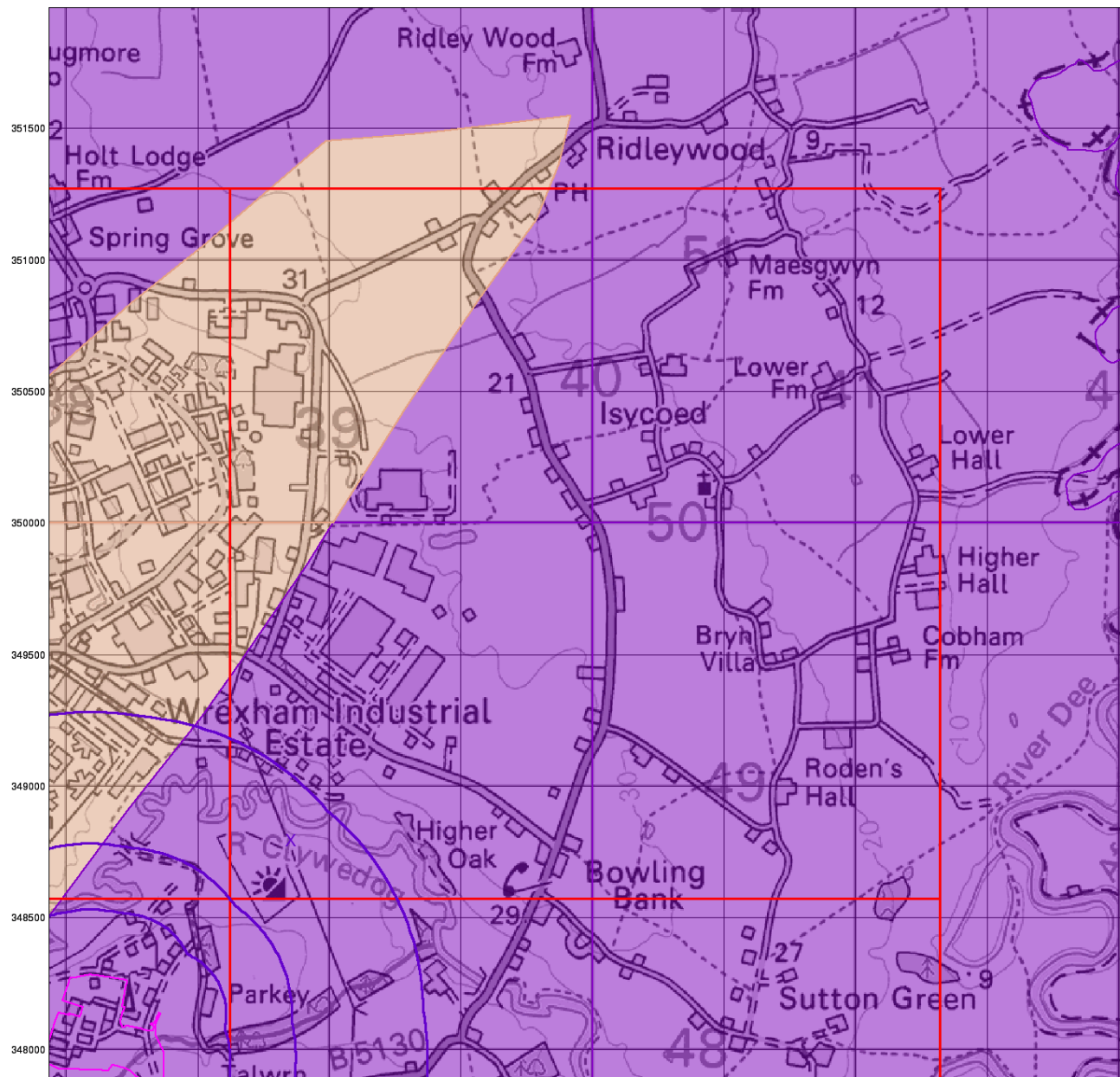
Site Details

Site at, Marchwiell, Wrexham

Landmark
 INFORMATION GROUP

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

338000 338500 339000 339500 340000 340500 341000 341500 342000



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0 1 km



Bedrock Aquifer Designation

General

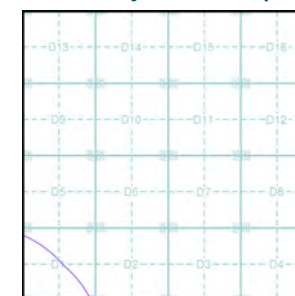
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice D



Order Details

Order Number: 243108924_1_1
Customer Ref: 31013LG
National Grid Reference: 338850, 348800
Slice: D
Site Area (Ha): 14.3
Search Buffer (m): 1000

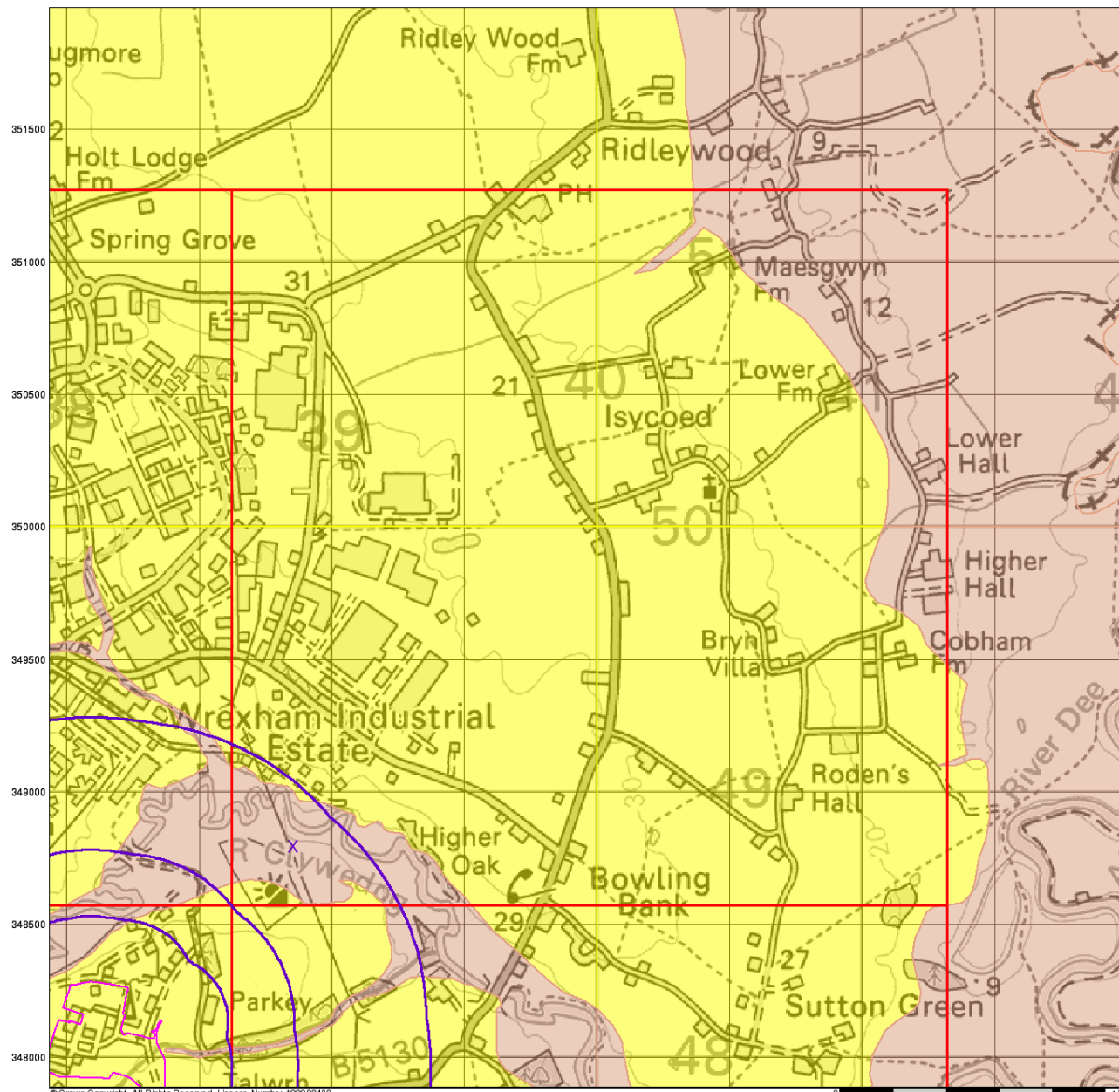
Site Details

Site at, Marchwiell, Wrexham



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

338000 338500 339000 339500 340000 340500 341000 341500 342000



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0 1 km



Superficial Aquifer Designation

General

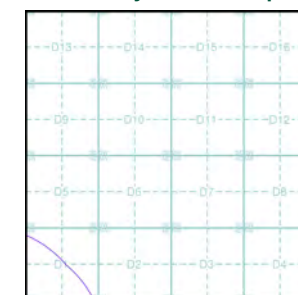
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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 D



Order Details

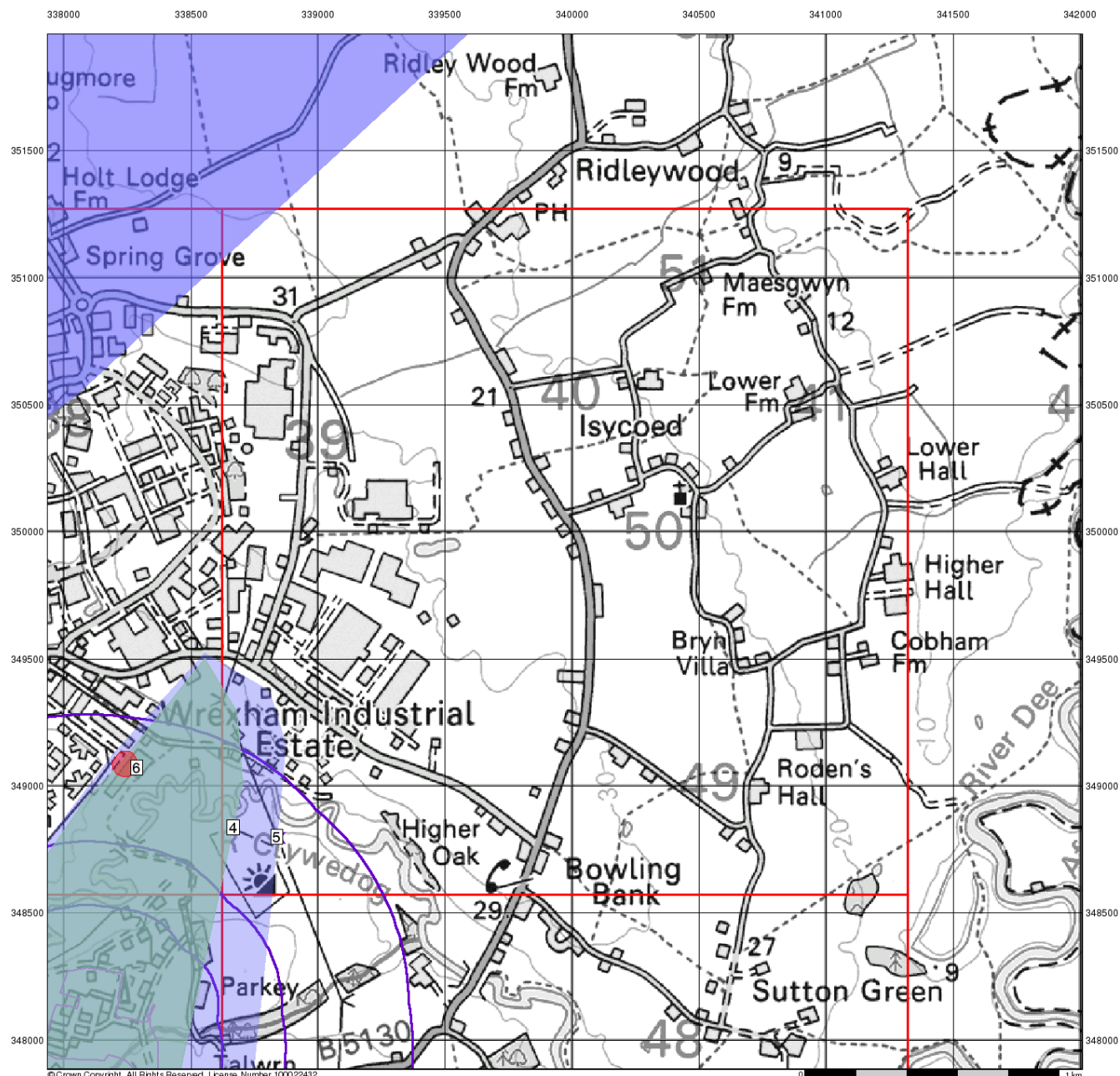
Order Number: 243108924_1_1
Customer Ref: 31013LG
National Grid Reference: 338850, 348800
Slice: D
Site Area (Ha): 14.3
Search Buffer (m): 1000

Site Details

Site at, Marchwiell, Wrexham



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Web: www.envirocheck.co.uk



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Source Protection Zones

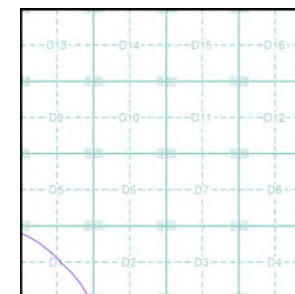
General

- ◇ Specified Site
- ◇ Specified Buffer(s)
- X Bearing Reference Point
- Slice
- 8 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 D



Order Details

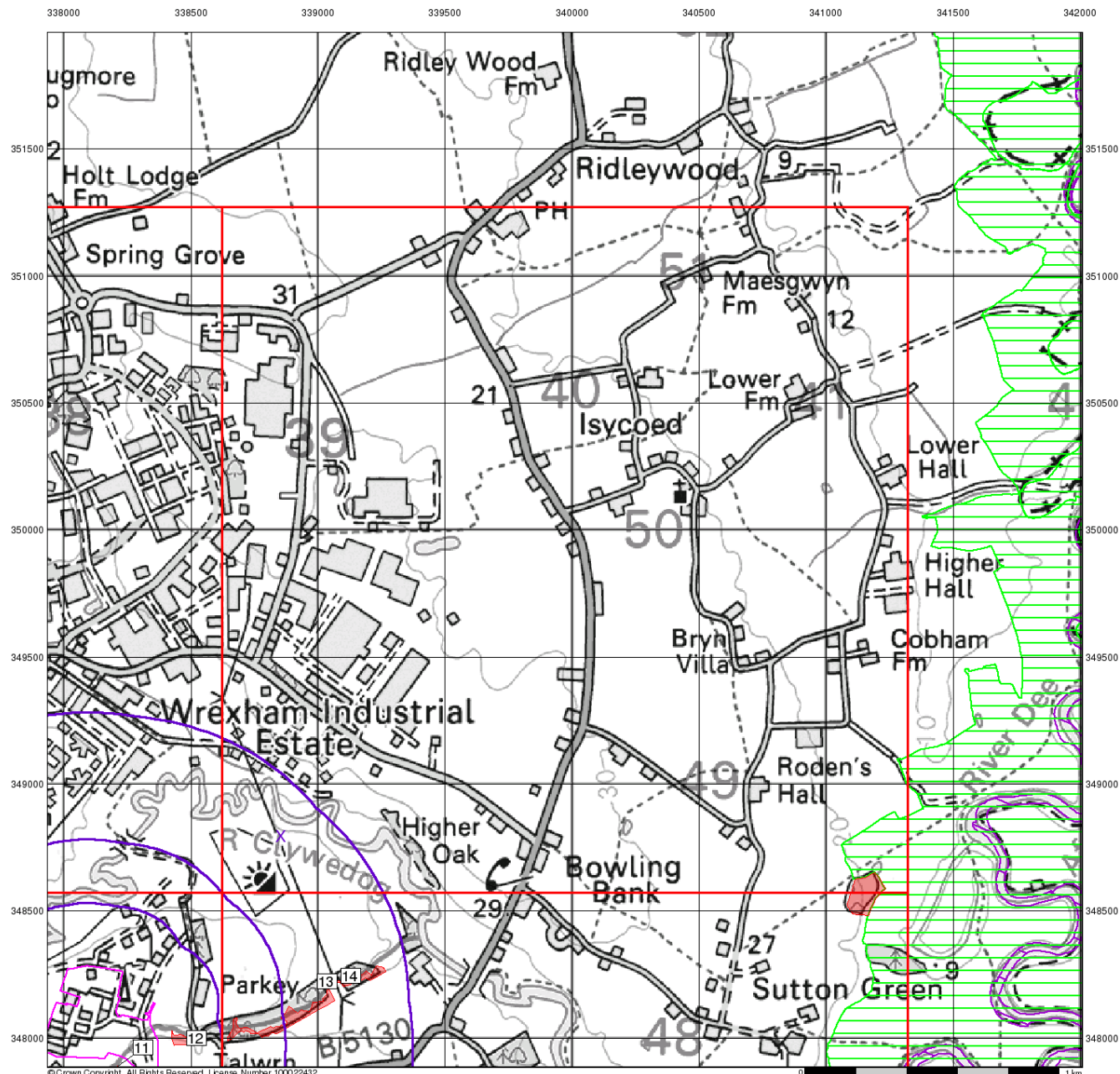
Order Number: 243108924_1_1
 Customer Ref: 31013LG
 National Grid Reference: 338850, 348800
 Slice: D
 Site Area (Ha): 14.3
 Search Buffer (m): 1000

Site Details

Site at, Marchwiell, Wrexham



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Sensitive Land Uses

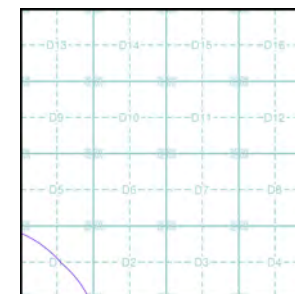
General

- ◇ Specified Site
- ◇ Specified Buffer(s)
- X Bearing Reference Point
- Slice
- 8 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
- 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 D



Order Details

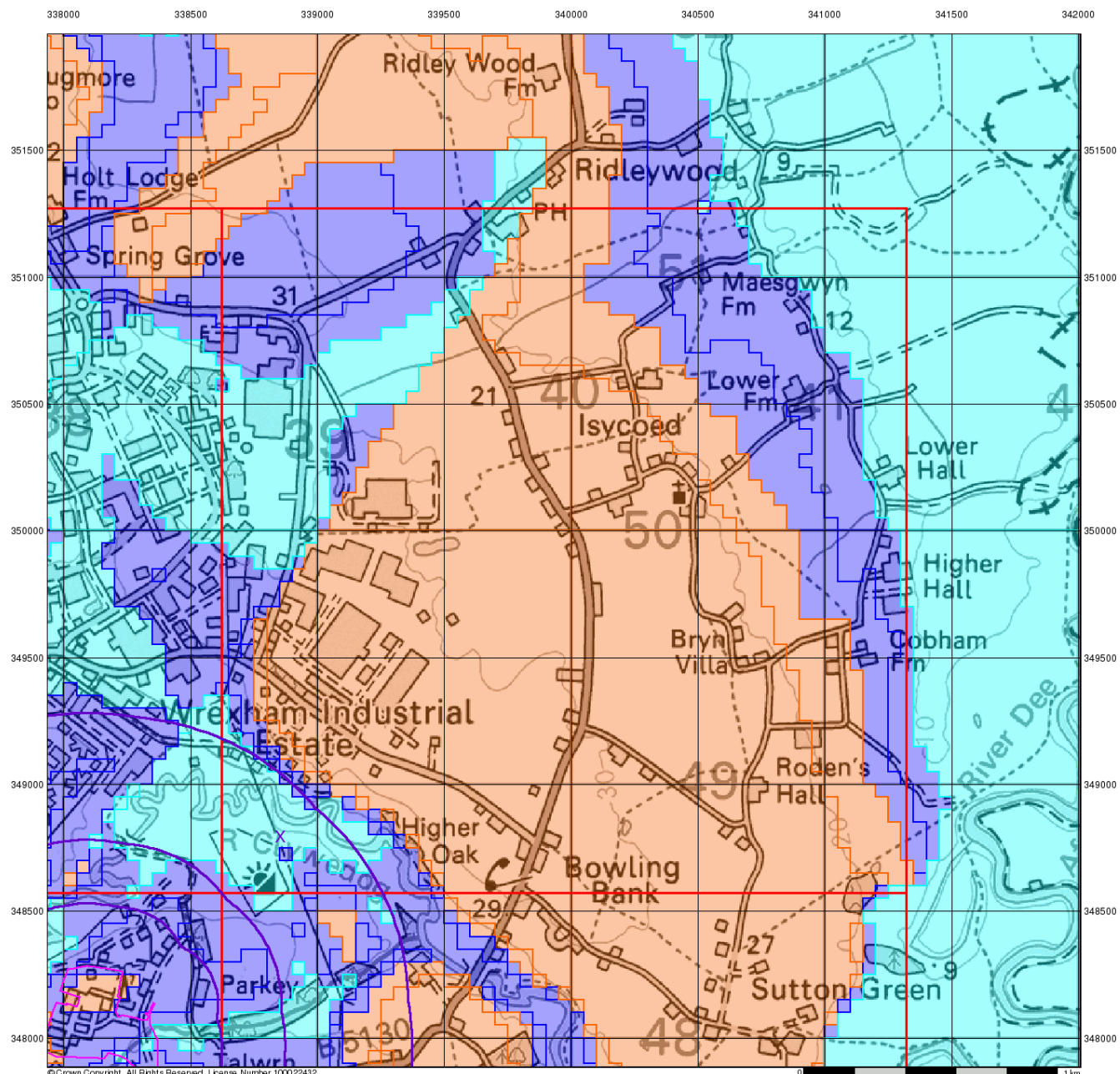
Order Number: 243108924_1_1
 Customer Ref: 31013LG
 National Grid Reference: 338850, 348800
 Slice: D
 Site Area (Ha): 14.3
 Search Buffer (m): 1000

Site Details

Site at, Marchwiell, Wrexham



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 Web: www.envirocheck.co.uk



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0 1 km



BGS Flood GFS Data

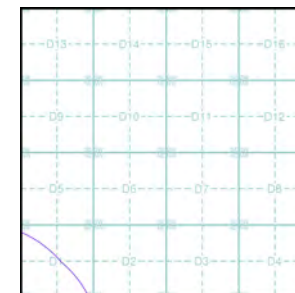
General

- 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 D



Order Details

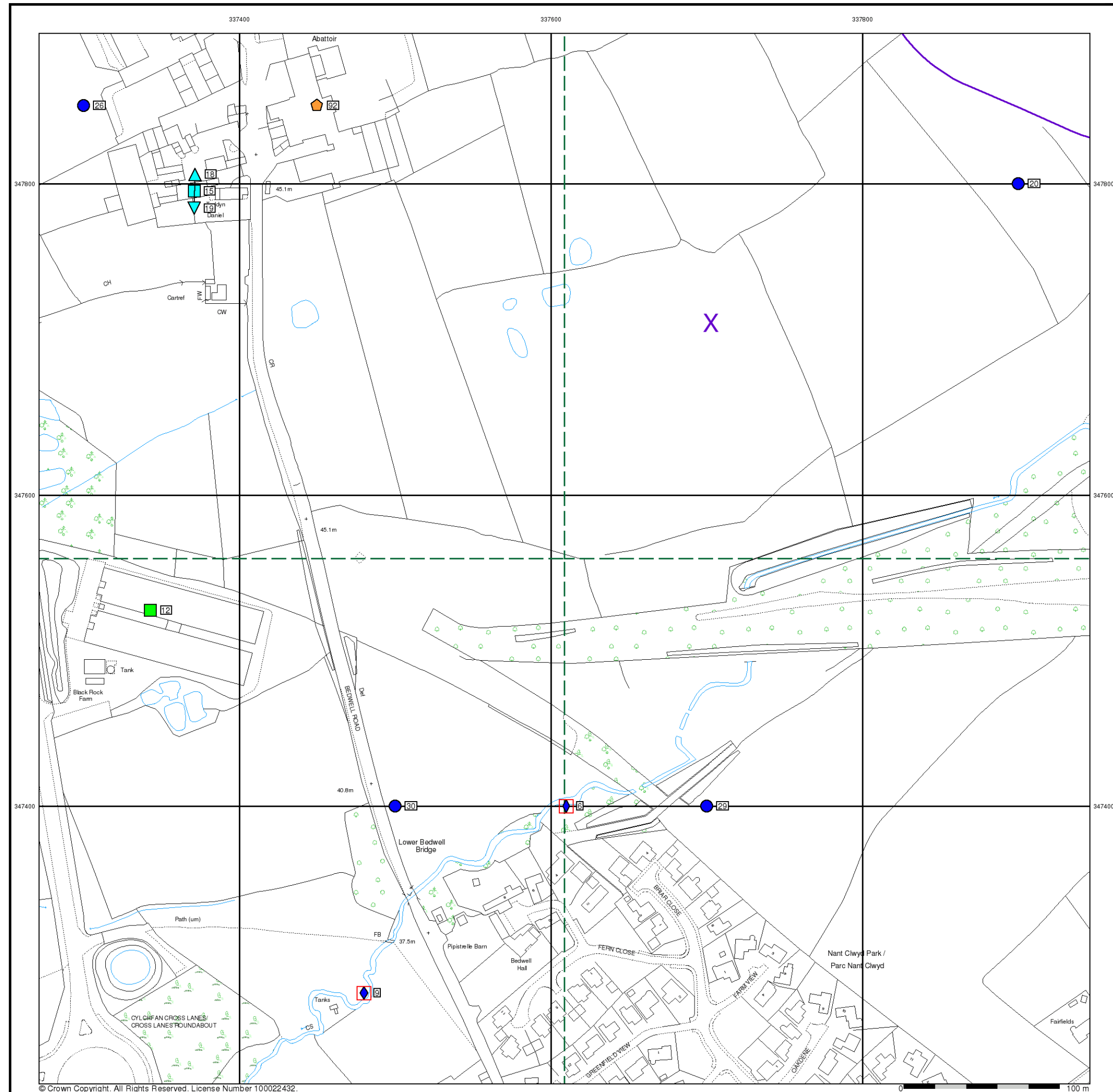
Order Number: 243108924_1_1
 Customer Ref: 31013LG
 National Grid Reference: 338850, 348800
 Slice: D
 Site Area (Ha): 14.3
 Search Buffer (m): 1000

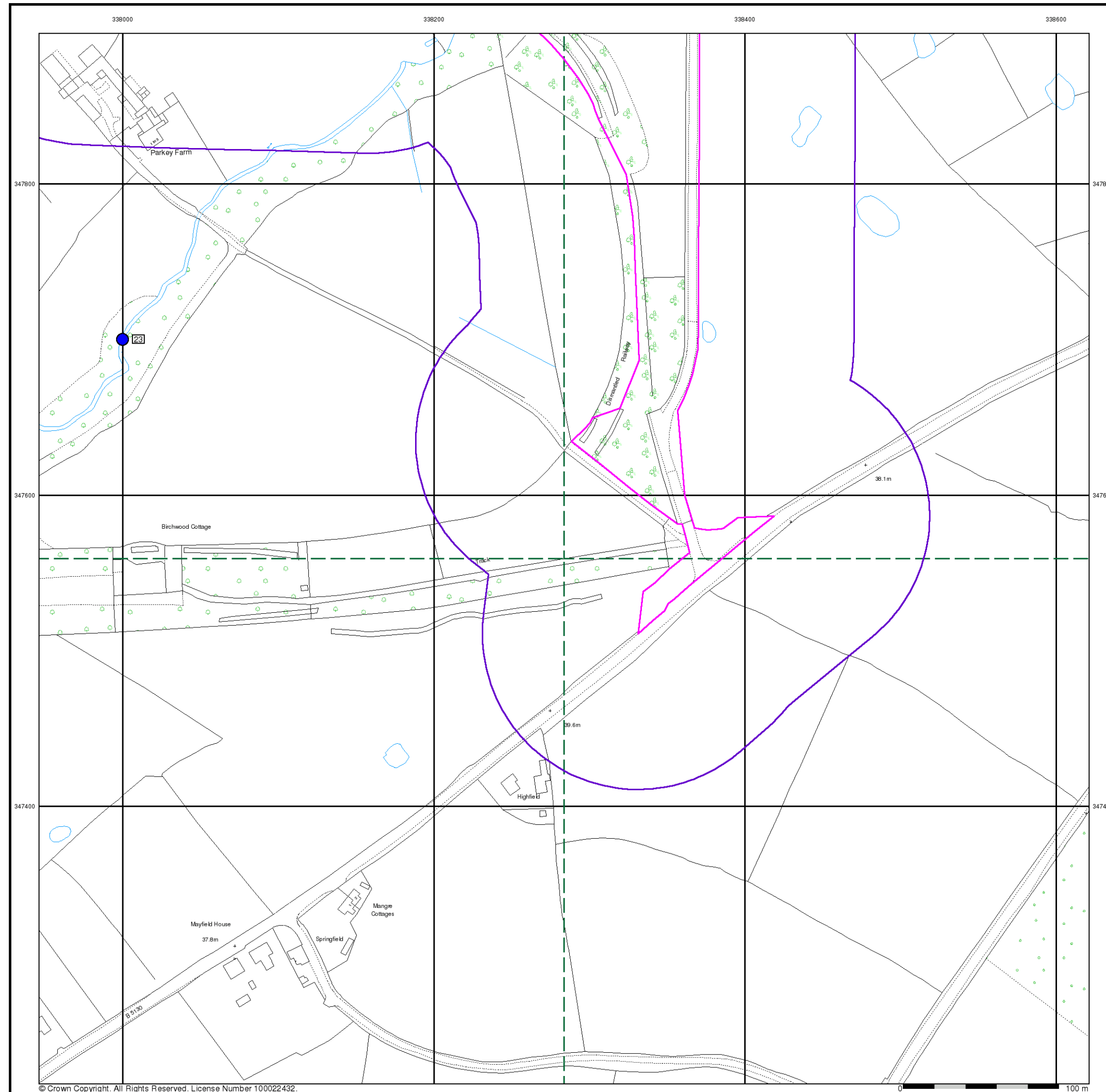
Site Details

Site at, Marchwiell, Wrexham



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



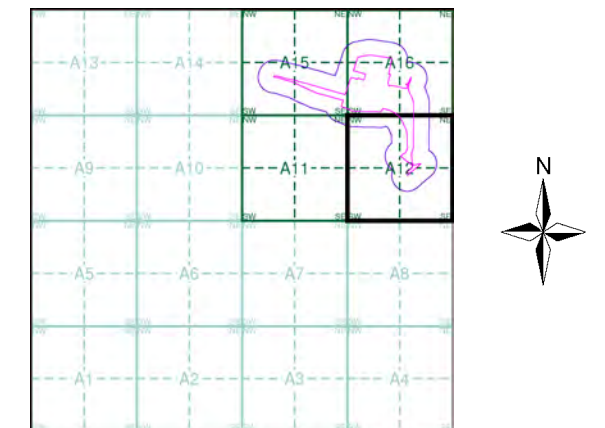


**Civil & Structural Engineers
Building Surveyors
Geo-Environmentalists**

General

- | | | | | | | | |
|--------------------------------|--|--|--|--------------|--|--|--------|
| | Specified Site | | Specified Buffer(s) | | Bearing Reference Point | | Map ID |
| | Several of Type at Location | | Pylon | | Overhead Transmission Line | | |
| Agency and Hydrological | | | | Waste | | | |
| | Contaminated Land Register Entry or Notice (Location) | | BGS Recorded Landfill Site (Location) | | BGS Recorded Landfill Site | | |
| | Contaminated Land Register Entry or Notice | | EA Historic Landfill (Buffered Point) | | EA Historic Landfill (Polygon) | | |
| | Discharge Consent | | Integrated Pollution Control Registered Waste Site | | Integrated Pollution Control Registered Waste Site | | |
| | Enforcement or Prohibition Notice | | Licensed Waste Management Facility (Landfill Boundary) | | Licensed Waste Management Facility (Location) | | |
| | Integrated Pollution Control | | Local Authority Recorded Landfill Site (Location) | | Local Authority Recorded Landfill Site | | |
| | Integrated Pollution Prevention Control | | Local Authority Recorded Landfill Site | | Potentially Infilled Land (Non-water) | | |
| | Local Authority Integrated Pollution Prevention and Control | | Potentially Infilled Land (Non-water) | | Potentially Infilled Land (Non-water) | | |
| | Local Authority Pollution Prevention and Control | | Potentially Infilled Land (Water) | | Potentially Infilled Land (Water) | | |
| | Local Authority Pollution Prevention and Control Enforcement | | Potentially Infilled Land (Water) | | Potentially Infilled Land (Water) | | |
| | Pollution Incident to Controlled Waters | | Registered Landfill Site | | Registered Landfill Site (Location) | | |
| | Prosecution Relating to Authorised Processes | | Registered Landfill Site (Point Buffered to 100m) | | Registered Landfill Site (Point Buffered to 250m) | | |
| | Prosecution Relating to Controlled Waters | | Registered Waste Transfer Site (Location) | | Registered Waste Transfer Site | | |
| | Registered Radioactive Substance | | Registered Waste Treatment or Disposal Site (Location) | | Registered Waste Treatment or Disposal Site | | |
| | River Network or Water Feature | | Registered Waste Treatment or Disposal Site | | Registered Waste Treatment or Disposal Site | | |
| | River Quality Sampling Point | | | | | | |
| | Substantiated Pollution Incident Register | | | | | | |
| | Water Abstraction | | | | | | |
| | Water Industry Act Referral | | | | | | |
| 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 A12



Order Details

Order Number: 243108924_1_1
Customer Ref: 31013LG
National Grid Reference: 337700, 347710
Slice: A
Site Area (Ha): 14.3
Plot Buffer (m): 100

Site Details

Site at, Marchwiel, Wrexham

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 Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral
- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

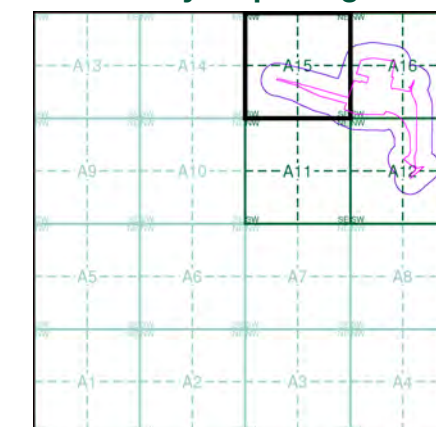
Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement
- BGS Recorded Mineral Site

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A15

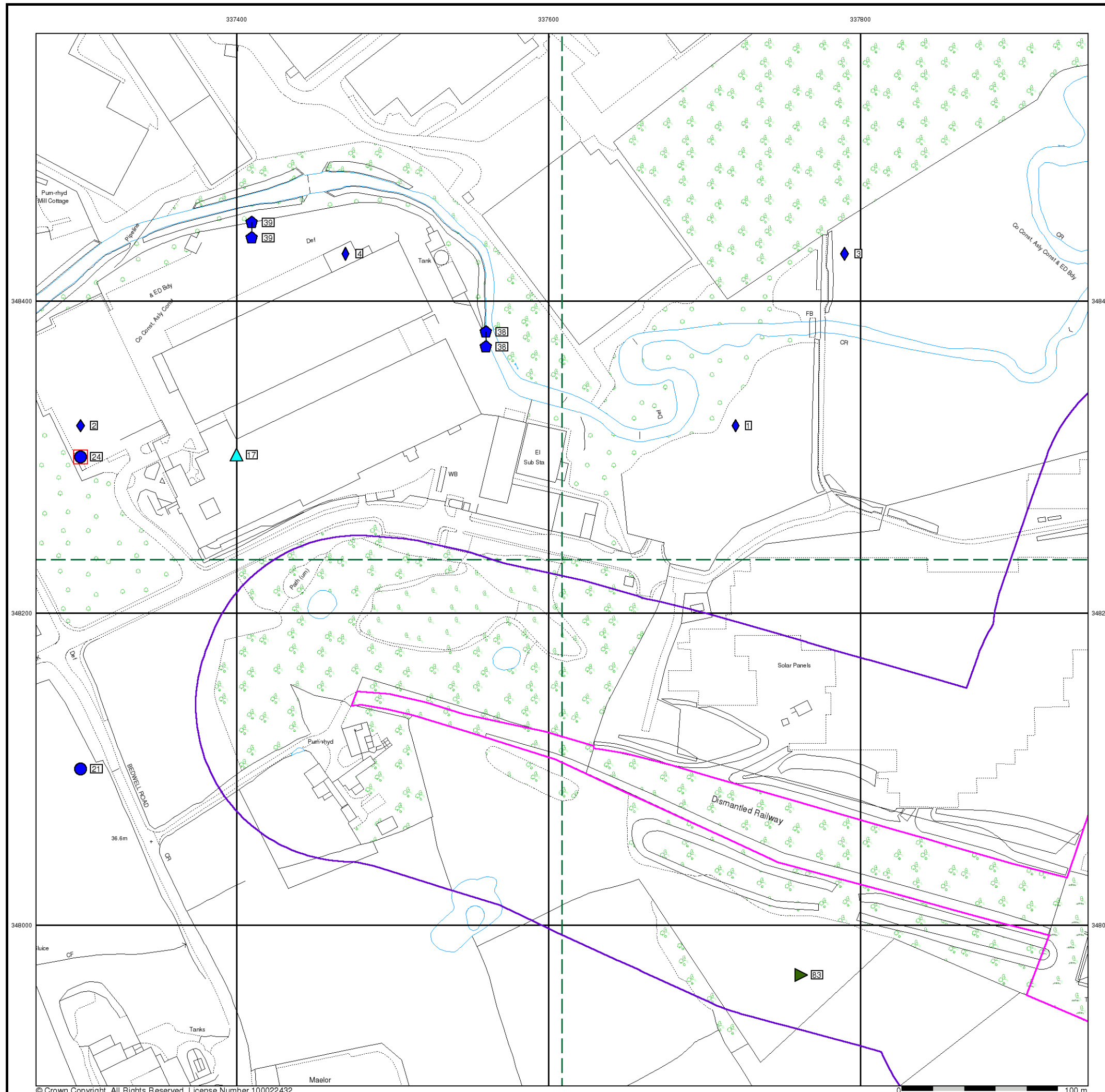


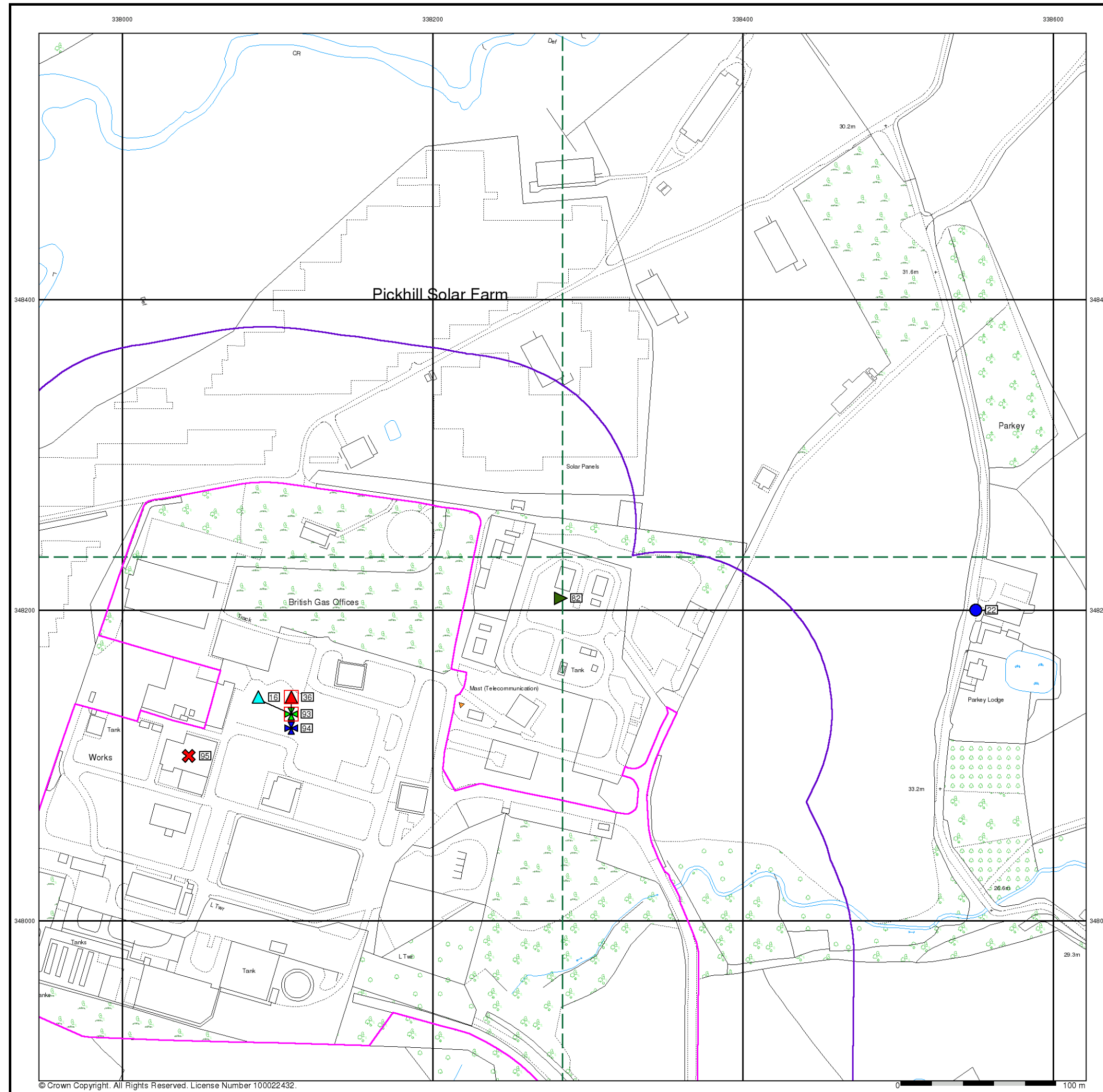
Order Details

Order Number: 243108924_1_1
Customer Ref: 31013LG
National Grid Reference: 337700, 347710
Slice: A
Site Area (Ha): 14.3
Plot Buffer (m): 100

Site Details

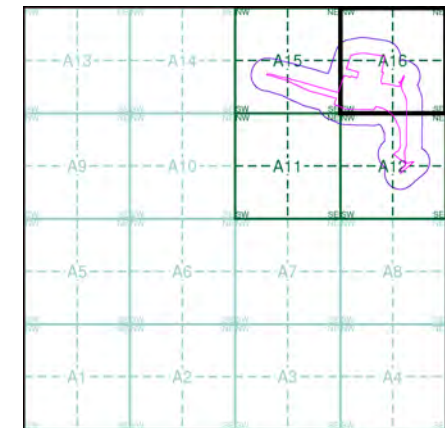
Site at, Marchwiell, Wrexham





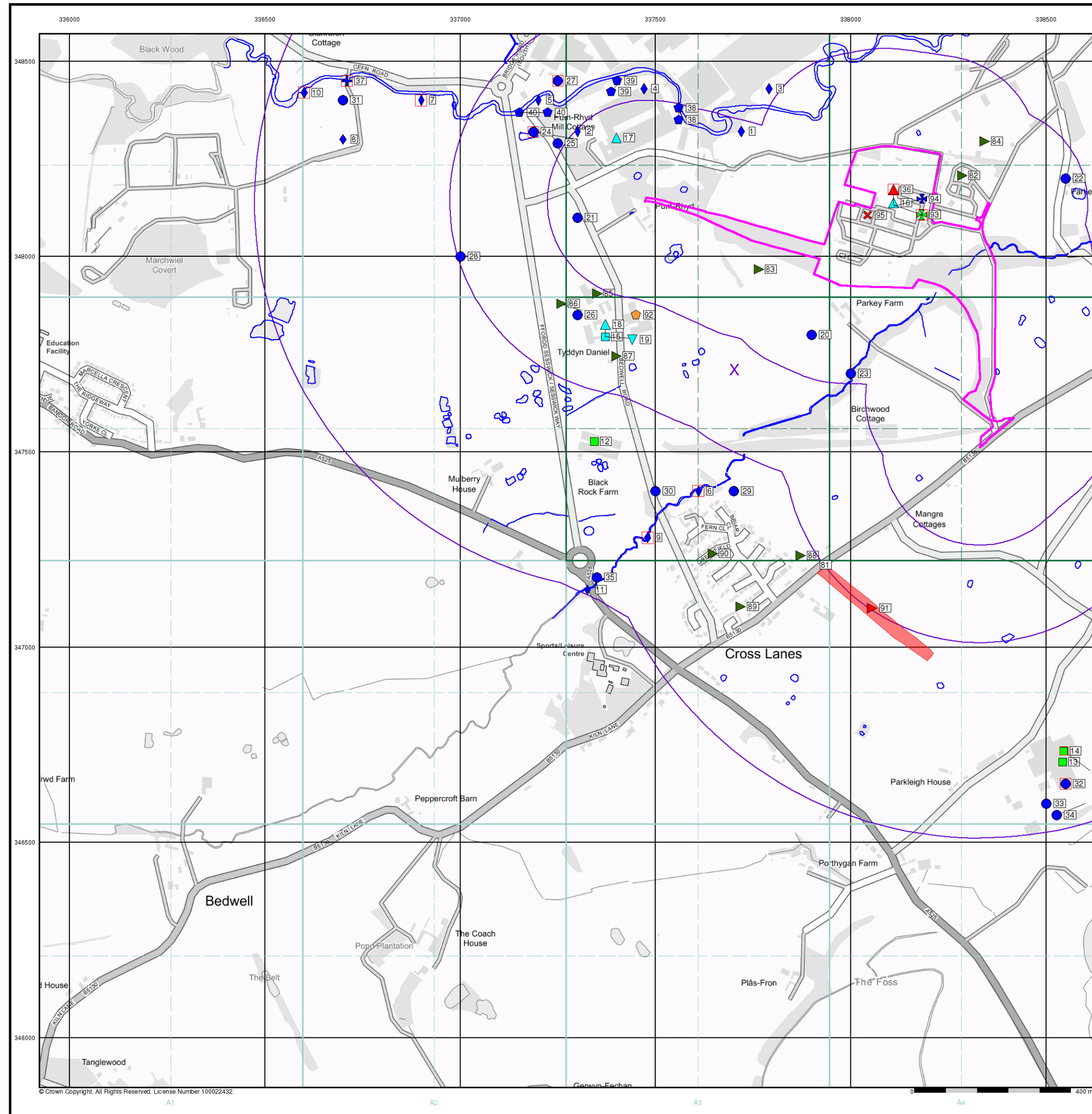
- General**
 - Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Types at Location
 - Pylon
 - Overhead Transmission Line
- Agency and Hydrological**
 - Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Waste**
 - BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (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 A16



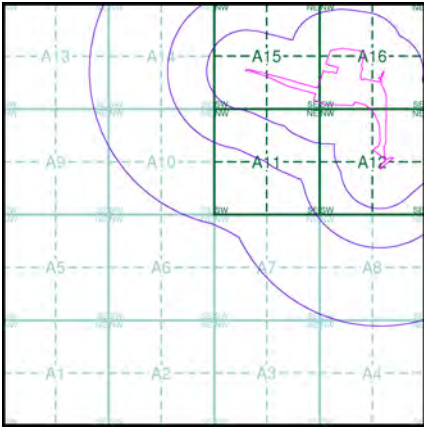
Order Details
Order Number: 243108924_1_1
Customer Ref: 31013LG
National Grid Reference: 337700, 347710
Slice: A
Site Area (Ha): 14.3
Plot Buffer (m): 100

Site Details
Site at, Marchwiell, Wrexham



- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site
- 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

Site Sensitivity Map - Slice A



Order Details

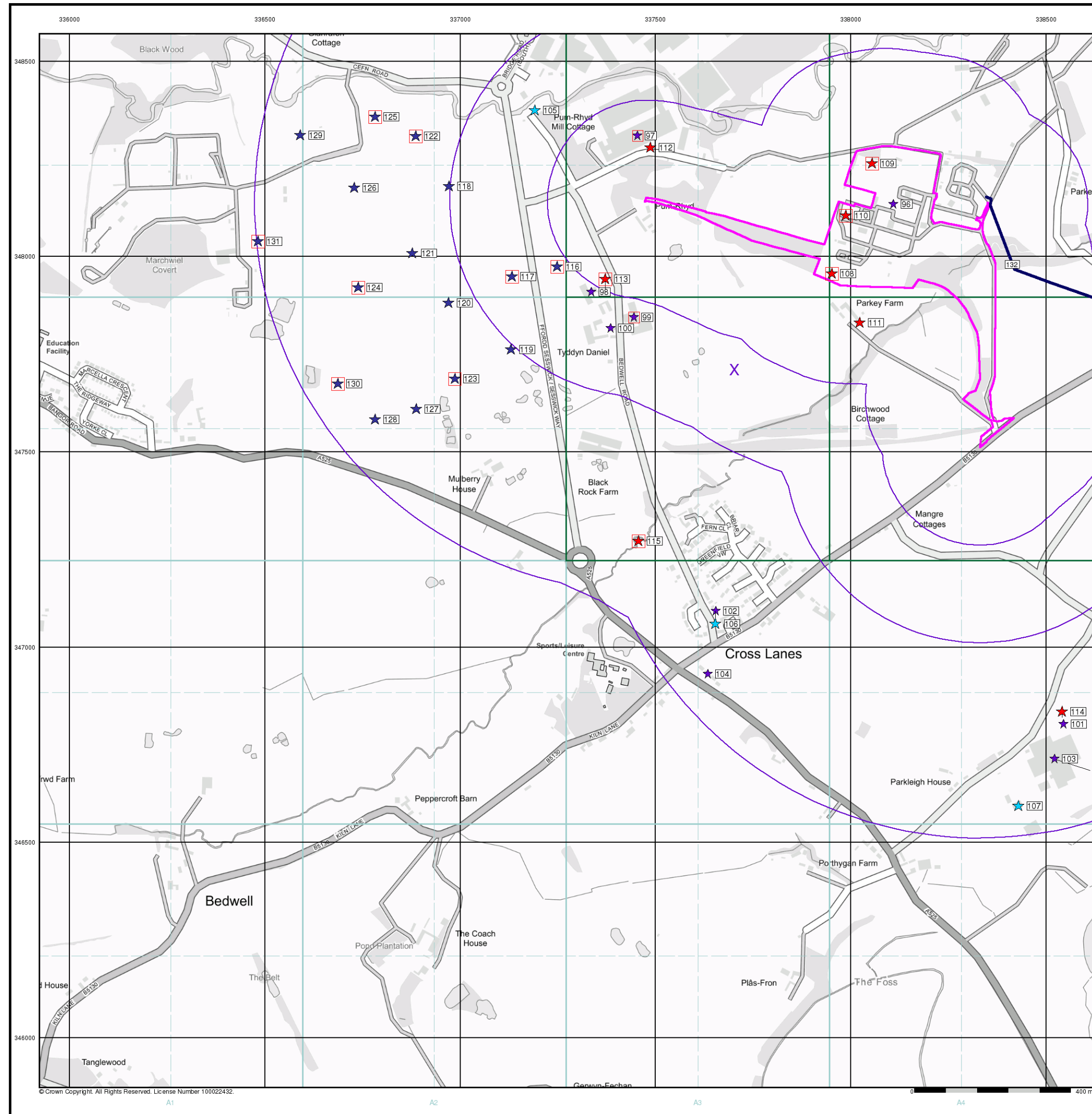
Order Number: 243108924_1_1
Customer Ref: 31013LG
National Grid Reference: 337700, 347710
Slice: A
Site Area (Ha): 14.3
Search Buffer (m): 1000

Site Details

Site at, Marchwiell, Wrexham



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



Industrial Land Use Map

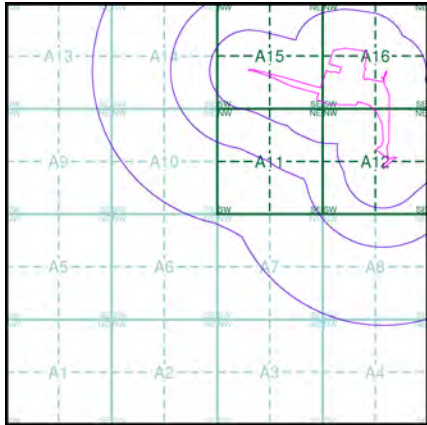
General

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

Industrial Land Use

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

Industrial Land Use Map - Slice A



Order Details

Order Number: 243108924_1_1
Customer Ref: 31013LG
National Grid Reference: 337700, 347710
Slice: A
Site Area (Ha): 14.3
Search Buffer (m): 1000

Site Details

Site at, Marchwiell, Wrexham



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