



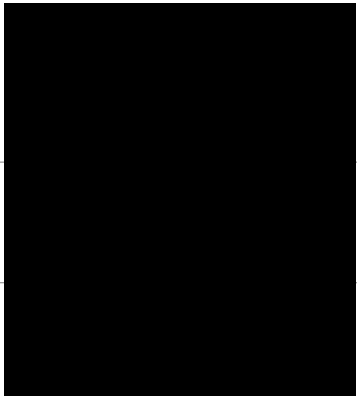
ROLTON GROUP
ENGINEERING THE FUTURE™

GEOTECHNICAL AND
GEO-ENVIRONMENTAL REPORT

FOR

LAND OFF WILLEN ROAD
NEWPORT PAGNELL
BUCKINGHAMSHIRE

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PREFACE

- a) The comments given in this report and the opinions expressed are based on the ground conditions encountered during the site work and on the results of tests made in the field and laboratory. However, there may be special conditions prevailing at the site which have not been disclosed by the investigation and which have not been taken into account in the report. Accordingly, a careful watch should be maintained in any future groundworks and the findings and recommendations of this report reviewed, if necessary, as work proceeds.

- b) The comments on groundwater conditions are based on observations made at the time the site work was carried out. It should be noted that groundwater levels vary owing to seasonal and other effects.

SUMMARY

CLIENT DETAILS	Bloor Homes South Midlands
PROPOSED DEVELOPMENT	Predominantly low-rise residential housing with a Local Centre and Primary School. The development to be served by new roads, public open space areas and new infrastructure including stormwater ponds and swales.
THE SITE	
Location	Farmland 1.5km south of central Newport Pagnell, Buckinghamshire.
National Grid Ref	487860 242090.
Topography	The area to be developed consists of several near-flat agricultural fields lying between 56m and 59m AOD.
Description	The site consists of several fields and a former sand and gravel quarry (being restored) covering approximately 40 hectares in total. The west boundary is formed by the Willen Road; the A422 (Monks Way) forms the north boundary; the River Ouzel forms the east boundary and farmland lies to the south.
Site History	The site has a modern history of use for farmland with the south western part having recently been quarried for sand and gravel - now largely restored to farmland.
ENVIRONMENTAL SETTING	
Geology	The majority of the site is shown covered by superficial river sand and gravel (the Felmersham Member); Alluvium is present at the east boundary; Head Deposits originally impinged on the south west. At depth the Kellaways Formation is present (mudstone with siltstone and sandstone layers) although part removed by a drift-filled channel.
Radon	No Radon protection measures are required to new housing.
Hydrology	There are several ditch drains which drain towards the River Ouzel which forms the eastern site boundary.
Hydro-geology	The superficial sand and gravel, Alluvium to the east associated with the River Ouzel and also the Kellaways Formation at depth are all classified as Secondary A aquifers. The Head Deposits in the south west are indicated as a Secondary Undifferentiated aquifer.

SURROUNDING LAND USES	
Surroundings	The site is immediately surrounded by similar farmland to the site. Sand and gravel extraction took place recently to the west – now restored.
Landfills	There are two relatively small adjoining historic landfills to the north of the site covering less than 10 hectares in total. These are understood to have been filled in the 1970s – the landfill furthest from the site took refuse; the closer landfill we understand took road arisings. They are 40-100m from the site at the closest points.
Coal Mining/Cavities	The site has been part worked for sand and gravel and restoration with inert soils has been completed at the time of writing (October 2021). Similar workings to the west have been restored and further historic workings likely occurred to the north where the landfills are now recorded.
GROUND CONDITIONS	
Soils/Rock	<p>The main part of the site consists of farmland with 190-500mm (generally 300-400mm) of sandy topsoil over a variable thickness of sand and gravel onto firm-stiff gravelly clay or firm-stiff silty clay (surface of the clay generally at 1-2m depth). Rock bands are present at approximately 9-15m depth.</p> <p>A former sand and gravel quarry in the south west has been restored. This now consists of 170-510mm (generally 250-450mm) of re-laid sandy topsoil over of sandy gravelly clay or clayey sand with (in more or less decreasing quantities) gravel- to cobble-sized brick, flint, sandstone, chalk, clinker and concrete with occasional wood, plastic and concrete block fragments. The depth of made ground was up to in excess of 5m but generally in the range 2.5-3.5m.</p>
Groundwater	Encountered in exploratory holes in the more granular layers at 1-3m. Standpipes in boreholes show shallow standing water at between a few hundred mm below the ground surface or at 1.0-1.5m depth.
Excavations	Excavations to depth will be rapidly unstable especially when encountering groundwater in the natural sand and gravel deposits or within the quarry backfill. Deep excavations below the water-bearing sand/gravel and quarry backfill will need close support and significant pumping and controls, and dewatering may be required depending on the time of year and depth of excavations required.

FOUNDATION DESIGN	
Type	<p>Over the main part of the site (undisturbed farmland) traditional trench fill foundations are generally suitable at min 1m depth. Shrinkable clay should be assumed although a variable thickness of sand and gravel will usually be present. Allowable bearing pressure of 120kN/m². Clay should be assumed of medium volume change potential.</p> <p>Over the backfilled sand/gravel quarry piled foundations are initially recommended – either driven or bored. Monitoring of the quarry surface has commenced in order to inform precise details of foundations (and roads and infrastructure).</p>
Buried Concrete	<p>DS-1 AC-1 outside the former quarry to 3m depth. DS-2 AC-2 below 3m depth in natural soils and also in the former quarry.</p>
GROUND FLOOR SLABS	
	<p>Ground bearing slabs may be used where natural ground is firm and moisture-stable and not desiccated, excessively wet or frozen – otherwise a suspended ground floor would be recommended – this can be insitu if there is no risk of heave.</p> <p>Over the former quarry a suspended precast ground floor should be allowed.</p> <p>No Radon measures required. The need for any gas protection measures to be confirmed after further ground gas monitoring. Initially RGL recommend allow Amber 1 gas measures (to NHBC guidance) over the former quarry; CS2 according to British Standard BS8485.</p>
INFRASTRUCTURE	
Soakaways	<p>Because of the shallow groundwater, conventional soakaways are not considered generally suitable for stormwater disposal. The shallow sand and gravel will offer potential for permeable paving. Infiltration rates are highly variable.</p>
Roads and Hardstandings	<p>The CBR at formation will vary significantly across the site from likely over 10% where sand and gravel is present at shallow depth to 2-3% in clays. Monitoring of the restored quarry surface should be undertaken for at least 6 months prior to finalising road designs here – some form of soil stabilisation or ground improvement may be required in addition to capping; potentially geotextile reinforcement may be required.</p>
Earthworks	<p>Natural soils (sand/gravel and clay) will be variable but should generally be suitable for use as engineered fill provided moisture contents are controlled and material is suitably handled and compacted. The backfill to the quarry is generally soft to very soft and with high moisture content – it would need significant reconditioning and improvement to be suitable as fill – most likely utilising lime and/or cement.</p>

CONTAMINATION AND REMEDIATION WORKS	
Soil Contamination	No significant contamination presence on site. Very slightly elevated Arsenic found in made ground locally. The backfill to the quarry is also generally uncontaminated – a single soil sample showed slight Petroleum hydrocarbon presence and Lead at the north edge of the quarry.
Hazardous Ground Gases	Gas monitoring is ongoing. Preliminary assessment is that basic gas precautions are likely over the former quarry.
Remedial Works / Mitigation Measures	<p>Likely gas protection measures over the former quarry: Amber 1 to houses; CS2 to non-residential buildings – to be confirmed.</p> <p>In addition, basic measures to manage gas are likely, to prevent migration via preferential pathways and ensure emission away from buildings.</p> <p>No soils require removal from site. Over the former quarry - gardens to have 600mm clean capping soils; POS areas 300mm clean capping soils. Clean soils may be derived from suitable parts of the site.</p>

1.0 INTRODUCTION

Bloor Homes South Midlands (the client) propose to develop farmland on the south side of Newport Pagnell, in Buckinghamshire, for predominantly low-rise residential housing.

Rolton Group Ltd (RGL) was instructed by the client to undertake a desk study and intrusive ground investigations for the purposes of enabling the design of foundations and infrastructure and to assess contamination presence.

This report summarises the findings of the desk study, the aims and objectives of the intrusive works and presents interpretation of the findings of the intrusive investigations and associated testing for the purposes of foundation and infrastructure designs and to determine any measures required in respect of contamination presence.

Restoration of the former sand and gravel quarry in the south west of the site was still ongoing at the time of the most initial investigations; the latest investigations were undertaken as the final part of the quarry restoration was being completed.

Gas monitoring of the former quarry is still on-going. Also, settlement monitoring of the restored quarry is still being undertaken to determine the nature of settlement of the backfill.

It is intended therefore that the present report will be updated and amended as necessary to include the findings and interpretation of the on-going monitoring works above.

2.0 THE SITE

2.1 INFORMATION SOURCES

RGL has commissioned an Envirocheck Report from the Landmark Group – this collates information in the public domain relating to the site’s history, environmental and geological setting, from organisations including Natural England, the British Geological Survey, Environment Agency and Local Planning Authority.

Most of the following Section has been derived from the Envirocheck report (presented in Appendix B). In addition, RGL has reviewed available information from the following sources:

- Ordnance Survey mapping.
- DEFRA website: www.magic.defra.gov.uk
- Aerial images from Google Earth.
- Lidar imagery.
- UK Government website: <https://flood-warning-information.service.gov.uk/>
- The Landowner, Mr A Saunders.

2.2 SITE LOCATION AND DESCRIPTION

The site is located on the south side of Newport Pagnell approximately 1.5km south of the town centre.

The northern boundary is formed by the A422 (H3 Monks Way); the western boundary is formed by the Willen Road; most of the eastern boundary is formed by the River Ouzel (or Lovat); the southern boundary is formed by a tree-lined hedgerow with farmland beyond.

The site covers around 40 hectares – it is formed of several fields divided by tracks/roads and hedgerows. Three private properties lie within the wider site boundary (Caldecote Farm, Caldecote Cottage and Moat Cottage) and are not included within the proposed development.

Ground levels are locally undulating with a general shallow fall from 58-59m AOD in the west to 56-57m AOD along the eastern boundary.

At the time of the most recent investigations (July-August 2021) restoration of the sand and gravel quarry in the south west was being completed to return it to agricultural land.

Access is generally off the Willen Road in the west of the site.

The approximate centre of the site is at National Grid Reference 487860 242090.

A Site Location Plan and Exploratory Hole Location Plan are presented in Appendix A.

2.3 GEOLOGY, HYDROGEOLOGY AND HYDROLOGY

2.3.1 GEOLOGY

The British Geological Survey (BGS) 'Geology of Britain Viewer' (Ref. 8.1) shows the entire site to be underlain by bedrock of the Kellaways Formation, described as 'mudstone, grey, commonly silty or sandy, with (predominantly in the upper part) beds of generally calcareous siltstone and sandstone'. BGS Sheet 'Milton Keynes' (Ref. 8.2) shows that over much of the site the bedrock has been part removed and a drift-filled channel exists – the precise extent and depth of the channel are not indicated however.

The majority of the site including almost all the area to be developed is indicated to be underlain at the surface by superficial deposits of the Felmersham Member, described as 'fluviatile gravel with sand ... commonly with a channelled base' and indicated as generally of up to about 3m thickness.

In the east of the site, local to the River Ouzel, a swathe of Alluvium is indicated over the edge of the Felmersham Member or lying on top of the Kellaways Formation or the drift-filled channel. To the immediate south west a thin swathe of Head Deposits is shown just impinging on the site.

The geology of the site does not require any Radon gas protection measures to new buildings (Ref. 8.3).

2.3.2 HYDROGEOLOGY

Groundwater vulnerability mapping data by the Environment Agency indicates the site geology has the following aquifer classifications:

GEOLOGICAL UNIT	AQUIFER CLASSIFICATION
Felmersham Member	Secondary A aquifer
Alluvium	Secondary A aquifer
Head Deposits	Secondary Undifferentiated aquifer
Kellaways Formation	Secondary A aquifer

Table 1 – Summary of Site Hydrogeology

Secondary aquifers may be important for local water supplies and for providing base flow to surface watercourses.

There is a record for a groundwater abstraction on site (at Caldecote Farm) with groundwater used for farming and domestic use – the license is for perpetuity but it is not known if any such abstraction is still in use. A number of abstraction records exist within 1km of the site including for: spray irrigation, farming (and domestic) use and for sand and gravel washing – most have been revoked.

There are no Source Protection Zones within at least 2km of the site (to be protective of important groundwater abstractions).

2.3.3 HYDROLOGY

There are several small ponds and ditch drains on site that drain towards the River Ouzel which forms the eastern site boundary.

As part of the sand and gravel quarrying in the south west a series of ponds were formed but at the time of writing these have all largely been backfilled.

The low-lying south eastern part of the site is shown at risk of flooding from the River Ouzel but for the majority of the site no significant risk of such flooding is indicated.

As well as the south east corner of the site there are numerous small locations (mainly local to surface drainage features in the middle of the site) where surface water flooding is shown that may occur on a low to high risk basis – 1 in 30 years to 1 in 1000 years.

2.4 SITE HISTORY

The following tables summarise features on site and on surrounding land – the information is taken from the historic mapping in the Envirocheck report and with reference to available on-line mapping and aerial images.

ORDNANCE SURVEY MAP DATE & SCALE	FEATURES ON SITE	FEATURES ON SURROUNDING LAND
1886 1:10,560	The site consists of several fields or parts of fields – largely as exists in 2021. The western, southern and eastern boundaries are all more or less established by this time by a track/road between Newport and Willen, by a hedgerow in the south and by the river to the east. Caldecote Farm and the other properties are present within the wider site boundary.	Land surrounding the site consists of farmland formed by fields with trees and hedgerows at their boundaries. Land to the east of the site is indicated as liable to flooding.
1900 1:10,560	The site appears essentially unchanged from the earlier survey.	Immediately surrounding land appears unchanged.
1926 1:10,560	The site appears unchanged.	A Sewage Farm and Allotments have appeared to the immediate north west of the site on the southern edge of Newport Pagnell.
1948 Aerial Photograph	The aerial image shows the site consisting of arable farmland with trees and hedges at the field boundaries.	Surrounding land appears unchanged and of similar nature to the site itself. The Sewage Farm and Allotments are visible to the north west.
1952 1:10,560	The site appears unchanged.	Surrounding land appears unchanged – to a distance of at least 250m from the site boundary.
1958 1:10,560	The site appears unchanged.	Surrounding land appears unchanged.
1963 1:10,560	The site appears unchanged.	Surrounding land is largely unchanged except that the M1 Motorway has been constructed some 200m to the south west of the site.
1970 1:2,500	The site appears unchanged.	An area of around 200m x 50m adjacent to the Sewage Farm is indicated as a Refuse Tip – the southern extent being around 100m north of the site.
1972 1:10,000	The site appears largely unchanged although overhead power-line crosses the south of the site.	The Willen Road to the west has undergone widening and straightening. There is a Council Depot shown now to the immediate south west. The Allotments are no longer indicated to the north; the Sewage Works appears to have undergone some changes but remains of the same extent.
1999 1:10,000	The overhead power-line is no longer indicated otherwise the site appears unchanged.	The northern boundary is now defined by the A422. There has been substantial development of land to the west of the M1 with industrial and residential properties and beyond approximately 250m north west of the site with housing. The area of the old Allotments is now occupied by Cricket and Football fields. Otherwise land within 250m of the site still essentially remains farmland.

ORDNANCE SURVEY MAP DATE & SCALE	FEATURES ON SITE	FEATURES ON SURROUNDING LAND
2006 1:10,000	The site appears unchanged.	Surrounding land appears largely unchanged.
2020 1:10,000	Quarrying activities in the south west are indicated including a conveyor and large pond. Otherwise the site is essentially unchanged.	Surrounding land is largely unchanged – within 250m it consists mainly of farmland still.

Table 2 – Summary of Site History from Ordnance Survey Mapping

AERIAL IMAGE DATE	FEATURES ON SITE	FEATURES ON SURROUNDING LAND
Dec 2000	The site is shown as farmland with fields separated by hedgerows and trees.	Surrounding land is largely farmland. The former landfills to the north have clearly been long restored – they are now covered by mature trees or are being farmed. A large number of vehicles are present around Caldecote Farm – within the outer site boundary although not on the development area itself.
2003-2005	No significant changes on site.	No significant changes to immediately surrounding land.
Dec 2006	No significant changes on site.	Sand and gravel extraction has commenced to the west of the Willen Road – indicated by excavations, ponds and stockpiles. Most of the vehicles around Caldecote Farm have gone and buildings works are taking place here.
April 2010	No changes to site.	The sand and gravel workings appear to have moved north with backfilling in the south.
Aug 2016	Sand and gravel extraction is now shown being undertaken in the south west of the site – features include a yard, offices, excavations, ponds, stockpiles and much of the area stripped of topsoil.	The sand and gravel works to the west appears to have largely ceased.
March 2017	There has been an increase in the excavations.	No significant changes surrounding the site.
April 2018	Stripping and sand and gravel extraction has moved eastwards.	No significant changes surrounding the site.
March 2020	The sand and gravel works appears now to be being restored working back westwards.	No significant changes surrounding the site.

Table 3 – Summary of Site History from Aerial Images

2.5 ENVIRONMENTAL SETTING

The following presents a summary of features of the environmental setting of the site.

- The nearest landfill is indicated to be north of the A422 approximately 36-39m north of the site at the closest point. This is indicated to have been a Borrow Pit but no details are given of the date of use or any materials deposited. It is understood from the landowner however that gravel was taken for construction of the A422 (Monks Way) in the late 1970s with arisings from the road construction then placed back in the excavation.
- A further landfill is indicated adjoining the above and located adjacent to the former Sewage Works north of the site – this is recorded as a Refuse Tip and to have operated until 1972 although no other information is given about waste types. This location is also recorded as a Waste Transfer Site with the license now revoked or surrendered by 1978.
- No other landfills are indicated within 250m of the site. The former sand and gravel quarry within the south western part of the site is not recorded as a landfill.
- The sand and gravel works in the south west of the site has a Waste Management Facility license record for the recovery of land by use of inert or extractive waste. The license is held by Smith Construction and dates from 2016.
- A further similar Waste Management Facility license is recorded for land to the north west on the other side of the Willen Road – this was also held by Smith Construction for land restoration following similar sand and gravel extraction and the license is now surrendered.
- There are historic records for Garage Services undertaken on site together with Car Body Repairs.
- Active industrial land uses in the vicinity with the potential to cause contamination are each located at significant distance from the boundaries:
 - Floor Coverings manufacture - 281 from site.
 - Food Products manufacture – 305m from site.
- The site geology is not associated with elevated Radon and no precautions are required to new buildings.
- There are no Sites of Special Scientific Interest (SSSIs) or designated Nature Reserves or other such sensitive receptors in proximity to the site.
- The site is indicated to be within a Nitrate Vulnerable Zone but this classification applies to much of England and simply controls use of Nitrates by farming.

3.0 INVESTIGATION WORKS

3.1 SITE VISIT TO SAND AND GRAVEL WORKS

In January 2019 a site visit was undertaken by a geo-environmental engineer from RGL – we were escorted around the sand and gravel works. Sand and gravel extraction was still being undertaken but restoration of the works had commenced. The following was noted or indicated by the site operator:

- The sand and gravel was being extracted to around 3-4m below general ground level with variations because of the varying depth and quality of extractable sand and gravel.
- The excavations were being backfilled with inert locally sourced materials – soils and construction wastes – together with unusable silt and clay from the sand and gravel washing activities.
- Our inspection showed that the backfill appeared predominantly clayey. The fill was being tracked in place with no specific compaction being undertaken.
- On completion of the filling a series of land-drain to be installed and the original topsoil will be put back.

3.2 RGL SITE INVESTIGATIONS

3.2.1 OBJECTIVES

From the desk studies undertaken it was clear that the majority of the site has had little or no recent disturbance other than for farming activities whereas significant sand and gravel removal and restoration has occurred in the south west.

The main objectives of the site investigation and monitoring works were therefore determined as:

- To characterise the natural soils over the main farmland part of the site including the depth of topsoil and its suitability for re-use.
- To determine suitable foundation bearing pressures and soil shrinkability.
- To determine any need for especially durable concrete because of sulphates or soil acidity.
- To provide initial information on deep soil conditions for the purposes of assessing piles if required.
- Confirm the extent of made ground associated with the former sand and gravel quarry.
- Assess the nature of the made ground within the former quarry – its suitability to support structures and/or infrastructure and possible methods of improvement.
- To assess the presence of contaminants in soils.
- To assess whether hazardous gases will be generated in the former quarry and whether these are likely then to migrate beyond its boundaries.
- Characterise the groundwater regime including in the former quarry area.
- Assess the suitability of soakaways for stormwater disposal.
- To advise on infrastructure design parameters including road design, excavations and earthworks.

3.2.2 FIELDWORK

In order to address the above objectives, the following fieldwork was undertaken – in three phases of work during September 2020, April 2021 and most recently in July and August 2021:

- 7 cable percussion boreholes to 8.66m to 14.98m depth – generally terminating on impenetrable strata.
- 36 driven window sampler boreholes to 3.0-5.45m depth (generally 4.45m).
- 71 machine-excavated trial pits.
- Soakaway infiltration tests in a further 14 pits.
- Sampling and insitu strength testing was undertaken in boreholes.
- Representative soils were recovered from exploratory holes for laboratory geotechnical and chemical testing.
- Selected boreholes were fitted with standpipes to allow monitoring of groundwater and ground gases as required.

The boreholes were undertaken by Geotechnics Ltd (of Coventry), a site investigation specialist, to the instructions of RGL.

The trial pits were logged by a geo-environmental engineer from RGL; pits were backfilled with arisings after logging, precluding the long-term observation of groundwater or trench stability.

The investigation was generally undertaken in accordance with BS 5930 'Code of practice for ground investigations' (Ref. 8.4).

Soakaway infiltration testing was attempted in general accordance with the guidance of BRE365 (Ref. 8.5) except that 3 rounds of filling and discharge were not possible at all locations because of the rates of infiltration and constraints of time.

The exploratory holes were located by RGL to give a general cover across the site but also specifically:

- Boreholes were located within the former quarry to determine the thickness of made ground but also to establish if landfill gases are being generated.
- Boreholes were located around the former quarry to determine if any hazardous gases that may be present in the quarry are migrating beyond its perimeter.
- Soakaways were located across the main site but also located at the positions of proposed stormwater ponds in the east of the site.

At the time of writing 3 rounds of ground gas monitoring have been undertaken – it is proposed that at least 3 further rounds of gas monitoring be undertaken. Gas monitoring will consist of recording levels of Methane, Carbon Dioxide and Oxygen together with atmospheric pressure and any gas flows.

Exploratory hole logs are presented in Appendix C. The soakaway infiltration test results are presented in Appendix D. The ground gas monitoring data is presented in Appendix E.

3.3 LABORATORY TESTING OF SOILS

Geotechnical laboratory tests were scheduled by RGL for representative soil samples from the exploratory holes; the testing was undertaken by Geotechnics Ltd (Coventry), in accordance with BS1377 (Ref. 8.6). Geotechnical tests included:

- Moisture Content tests.
- Atterberg Limit tests.
- pH and soluble Sulphate measurement.

Chemical testing was undertaken on samples of topsoil and made ground on the basis that contaminants are likely to have been released at the site surface or be associated with made ground including imported wastes or other soils.

Chemical analyses for a broad range of determinands were undertaken by Chemtest Ltd or DETS Ltd, UKAS (United Kingdom Accreditation Service) accredited laboratories. Chemical testing included:

- Heavy Metals – Cadmium, Chromium (Total and Hexavalent), Lead, Nickel, Selenium & Mercury.
- Phytotoxic Metals – Copper & Zinc.
- Organic Compounds – Phenols & Soil Organic Matter.
- Speciated Polycyclic Aromatic Hydrocarbons (PAH).
- Total Petroleum Hydrocarbons (TPH).
- Other compounds – Arsenic, Cyanide, Boron & Sulphate.
- Asbestos screening of samples containing any evidence of constructions wastes.

In addition, 4 samples of typical topsoil from across the site were tested for compliance with the requirements of the British Standard for Topsoil, BS 3882 (Ref. 8.7).

The results of all the laboratory tests are presented in Appendix F.

3.4 GAS MONITORING

Gas monitoring is being undertaken at 26 locations where standpipes have been installed in boreholes. These are mainly located within and around the perimeter of the former quarry to determine if hazardous gases are being generated within the former and then if they are migrating beyond the quarry boundary.

At the time of writing (May 2021) three rounds of gas monitoring have been undertaken - using a Gas Data GFM Series instrument to measure concentrations of Methane, Carbon Dioxide and Oxygen; any gas flow rates are also measured together with the depth to groundwater.

It is intended that at least 6 rounds of gas monitoring are undertaken over a range of weather conditions including periods of low pressure following a fall in pressure over the previous few hours - conditions most likely to cause gas emission.

The gas monitoring results are presented in Appendix E.

3.5 GROUND MONITORING (QUARRY)

Level monitoring is being undertaken of settlement of the restored quarry in order to determine how the backfill to the restored quarry may settle over time under its own weight and also with the application of a shallow embankment loading (as may occur under roads for example). It is intended that this information will inform how foundations, roads and infrastructure generally are designed and built in order to prevent long-term damage due to future settlement of the quarry backfill.

Self-weight settlement of the quarry surface is being monitored by measuring the levels of a series of 9 stations constructed in the near-surface soils. The stations consist of steel pins set in concrete cast below the topsoil cover. The level of each station pin is measured by precision instrument to an off-site datum. The stations have been spread across the former quarry at locations where trial pits or boreholes have established known depths of backfill.

At 5 further locations across the former quarry a small embankment of around 1m height of site-soils has been constructed around a cluster of 5 monitoring stations (constructed as described above) to measure induced settlement under applied loading.

The level monitoring is being undertaken by a specialist survey company - Milton Keynes Surveys. The duration of monitoring will depend on the findings but it is anticipated that this will continue for at least 6-12 months - with the later monitoring being on a monthly basis. The monitoring results to date are presented in Appendix G.

4.0 GROUND CONDITIONS

4.1 FORMER QUARRY

4.1.1 TOPSOIL

Where the former sand/gravel quarry has been restored there is a surface cover of topsoil found to be between 170mm and 510mm thick but generally of the order of 250-450mm. This consists of a clayey sand and consists of the original topsoil cover having been stripped, stockpiled and put back.

4.1.2 MADE GROUND

Over the area of the restored quarry the topsoil sits directly on made ground which consists of sandy gravelly clay or clayey sand with (in more or less decreasing quantities) gravel- to cobble-sized brick, flint, sandstone, chalk, clinker and concrete with occasional wood, plastic and concrete block fragments.

In general, the strength decreases with depth from firm to stiff at the surface becoming very soft and wet or even saturated at depth.

The depth of made ground was noted in the exploratory holes as up to in excess of 5m, generally in the range 2.5-3.5m.

No voids or extensive degradable materials were noted. An occasional organic odour was noted. There was no evidence of compaction in layers.

The trial pits generally stayed open long enough for logging and sampling but tended to collapse at depth within 5-10 minutes.

A small area of made ground (around borehole BH11) on the north edge of the former quarry may not be part of the quarry backfilling but rather filling carried out separately to realign the stream here. Because of its proximity to the quarry however and similar characteristics, it is treated here as if part of the same filling as within the quarry.

4.1.3 NATURAL GROUND

The made ground backfill to the quarry is mostly directly underlain by a firm to stiff fissured blue grey silty clay. In places sand and gravel is present or very sandy and/or gravelly clay.

Boreholes within the former quarry area show the stiff fissured clay to extend to 12.5m before an impenetrable mudstone was encountered (borehole CP01).

4.1.4 GROUNDWATER

In the former quarry area groundwater was usually encountered in trial pits towards the base of the made ground or in the more granular or fissured parts of the underlying natural ground – at depths of 2-3m below ground level. Groundwater was not logged in all pits however although they were open for only a few minutes.

Post-fieldwork monitoring of boreholes in the quarry area showed standing water levels from as shallow as only a few hundred mm below the ground surface to only around 1.5m but generally less than 1m depth.

4.2 FARMLAND (OUTSIDE THE QUARRY AREA)

4.2.1 TOPSOIL

Topsoil across the main part of the site outside the quarry was found to vary in thickness from 190mm to 500mm but was usually around 300-400mm thick. This consisted of a ploughed agricultural topsoil of clayey sand with gravel of flint and chalk.

4.2.2 MADE GROUND

Made ground beneath topsoil was encountered locally and was considered likely to represent previous archaeological features or investigations or perhaps works to form or realign ditch drains. It appeared to consist of reworked locally derived soils with minor inclusions of brick or wood.

The made ground around borehole BH11 is discussed above and may represent separate materials placed from farming activities – but is considered as part of the quarry area for convenience.

4.2.3 NATURAL GROUND

Beneath the topsoil and any local made ground natural soils across the site are predominantly of sand and gravel at the surface sometimes clayey and then resting on gravelly clay or stiff fissured grey blue clay.

The depth of the sand and gravel is highly variable with no apparent trend across the site – in places it is absent and a gravelly clay is present beneath the topsoil – elsewhere the sand and gravel extends to 3.0-3.2m depth (boreholes BH12 and BH16). In trial pit TP08 clay predominated at one end of the pit but deeper sand and gravel was present at the other end.

The gravelly clay sometimes present was generally firm to stiff – the gravel consisting of flint and chalk.

Most of the trial pits and boreholes terminated in firm to stiff fissured silty blue grey clay although locally with sand and gravel pockets or layers. It should be noted that a number of trial pits could not be advanced to depth because of the collapse of the sand and gravel particularly where groundwater was present.

The cable percussion boreholes showed stiff clay to extend 8.66m to 14.9m depth before impenetrable mudstone or limestone was encountered.

4.2.4 GROUNDWATER

Groundwater across the farmland area outside the quarry was generally encountered in the shallow sand and gravel resting on top of the gravelly clay or fissured silty clay; this was at a variety of depths reflecting the depth of sand and gravel, between 0.9m and over 2m depth but generally in the range 1.0-1.5m.

Post-fieldwork monitoring of boreholes showed standing water levels from as shallow as only a few hundred mm below the ground surface to only around 1-1.5m but generally less than 1m depth.

5.0 DEVELOPMENT PROPOSALS

Precise details of the proposed development are not known at present but features of the site are likely to include:

- Division of the site into a series of development parcels largely preserving rights of way and field boundaries (hedgerows and trees) and respecting the existing residential properties.
- The majority of the developable area will be for low-rise residential housing.
- A Primary School and Local Centre to be located in the south west over the location of the former quarry – it is anticipated that these will be of 2- or 3-storey form and of load-bearing or framed construction. It is understood that construction of the Local Centre and School will be at an advanced stage of the development after a certain number of houses are built and occupied.
- Entry to the site to be via two locations on the Willen Road on the western boundary.
- New access roads and estate roads to be constructed.
- Further links to surrounding land to be by new cycleways and pedestrian routes.
- New planting and public open spaces areas to be provided.
- A series of stormwater attenuation ponds in the east of the site.
- Sustainable Urban Drainage (SUDS) corridors to control stormwater and convey it towards the River Ouzel.

It is not anticipated that significant changes will be undertaken to ground levels in order to facilitate development but a degree of regrading locally is anticipated primarily for drainage and flood prevention purposes.

6.0 ENGINEERING ASSESSMENT

6.1 GENERAL COMMENTS

The proposed development is primarily for low-rise residential housing and the comments and recommendations below are therefore made accordingly but will be directly applicable to the proposed Local Centre and Primary School on the basis that they will also be of low-rise construction with similar requirements for control of settlement. Some revision to this report may be required however once the precise form of all proposed buildings is known.

6.2 QUARRY BACKFILL STABILITY

Gas monitoring is being undertaken of the backfilled former quarry to understand the potential for gas generation and emission at the surface; settlement monitoring of the restored quarry surface is also being undertaken. The monitoring exercises are likely to continue for at least several months (into 2022).

The initial results of 1 month of level monitoring of the restored quarry are that self-weight settlement so far is negligible.

The loaded areas have produced a spread of results from 2-3mm of settlement to over 20mm which suggests significant difference in settlement under load although this in part may be influenced by the age of the fill at any given location.

If the monitoring shows that self-weight consolidation settlement of the quarry backfill is likely to be prolonged and of significant magnitude or that large settlements of the ground could occur after development then some form of ground improvement may be required – discussed in Section 6.7.

It is not at this stage considered that ground improvement techniques would be suitable to support buildings over the former quarry other than perhaps lightly loaded small independent structures perhaps such as bin/cycle stores, sheds, sub-stations or light temporary structures but this should be reviewed after a suitable period of surface monitoring and once more details of the proposed development over the former quarry are known.

It may be worthwhile entering into initial discussion with suitable specialists who can offer the above techniques with a view to establishing conditions under which the quarry backfill can be treated.

6.3 REGRADING/EARTHWORKS

There is not expected to be any requirement to significantly alter ground levels to facilitate development. The natural soils on site outside the former quarry will generally be suitable for recompaction as fill in dry weather and with suitable controls in place to ensure suitable plant, layers and moisture content.

It would not be recommended to support buildings on re-compacted site-won materials, other than perhaps small independent structures where settlement is not critical – such as bin/cycle stores, sub-stations or temporary structures. Suitably compacted site-won materials should be able to support drives, paths, drainage, gardens etc. Any significant filling should only be undertaken in accordance with a suitable specification and with appropriate controls and testing in place.

Soils forming the made ground in the quarry will only be suitable for reuse as structural fill after appropriate reconditioning or potentially improvement with lime/cement. Any such proposed use of soils from the restored quarry should only be attempted after testing and perhaps trials.

It should be understood that if ground levels are to be significantly raised over the former quarry this will induce larger settlements than if placed on natural ground and this would need to be taken into account in the design of foundations and infrastructure.

6.4 FOUNDATIONS

6.4.1 FORMER QUARRY

The made ground within the former quarry is highly variable and largely consists of recently placed predominantly clayey fill – locally soft or very soft. It may be anticipated to be highly and unpredictably compressible and a degree of continuing self-weight consolidation is likely to take place over months or years.

The made ground is not therefore considered suitable to support shallow foundations to structures (spread foundations or rafts) because they would be liable to significant and variable settlements.

The quarry backfill is probably too deep and unstable to allow excavation into the underlying stable natural soils for the construction of deep foundations. Excavations would need to be fully supported and groundwater would need to be controlled possibly necessitating dewatering.

Because the quarry backfill is largely a recently placed soft clay it would not generally be considered suitable for ground improvement by vibro stone columns (or dynamic compaction) – mainly because of the risk of uncontrollable and unpredictable self-weight consolidation settlements – unless ground surface level monitoring discussed above has established a suitable degree of stability (see Section 6.2 above).

Without the results of prolonged level monitoring the foundation type currently considered feasible for structures over the former quarry would be to use piling with ground beams or pile caps. Technically the site is suitable for driven or bored piles – driven piles could be considered provided that it can be established that any existing structures or buried services will not be adversely affected by vibrations or noise.

It should be noted that hard mudstone or limestone was found in boreholes which would likely be impenetrable to a driven precast concrete pile or bored continuous flight auger (CFA) pile. Pile loads and sizes will have to be selected accordingly or specific further investigations undertaken to determine the precise depth and thickness of the mudstone or limestone and to either bear onto this layer or form piles through it.

Piles in the former quarry will need to be designed to accommodate a degree of negative skin friction. Where services exit and enter buildings provision should be made for ground movement and additional flexibility in proximity to the foundations.

The advice of a suitable piling specialist should be sought for pile designs in the former quarry once the final development here is known.

6.4.2 FARMLAND OUTSIDE THE FORMER QUARRY

The majority of the site (outside the former quarry) is considered suitable for the use of traditional spread foundations. The natural sand and gravel, gravelly clay and silty fissured clay at depth are each considered suitable to support foundations.

It will be difficult to precisely predict the depth and thickness of sand and gravel at any given location on site – even if a further greater density of exploratory holes was perhaps undertaken. It is recommended that foundations are designed on the basis that clay is present at or immediately beneath founding level unless absolutely proved otherwise. A minimum foundation depth of 1m below existing and proposed ground level is therefore recommended.

Additional foundation deepening will be required in proximity to existing, recently removed and proposed trees and shrubs, in accordance with NHBC guidance (Ref. 8.8). In the few locations where there is made ground outside the former quarry foundations should be deepened to ensure at least 450mm penetration into firm undisturbed natural ground. Laboratory testing has shown that the clays on site are predominantly of medium plasticity/shrinkability and therefore of medium volume change potential according to NHBC guidance.

For trench fill and pad foundations to low-rise buildings suitably designed on the above basis an allowable bearing pressure of at least 120kN/m² may be used. For much of the ground this will be a conservative figure – the sand and gravel would generally be capable of supporting considerably greater loads but the above figure is designed to cater for the firm to stiff clay where present and variations in the formation that are likely to occur.

Formations are likely to vary from sand and gravel to clay over short distances in places – it would not be recommended to deepen foundations locally in an attempt to found them entirely on one material and considerable difficulties in excavation stability and groundwater ingress may result if this is undertaken. If highly variable formations occur and there are concerns that differential settlement may result then some mesh reinforcement can be introduced into foundation concrete. It will be more important to ensure a reasonable formation has been achieved (without collapse of excavation sides) and is preserved until concreted.

6.5 GROUND FLOOR SLABS

Ground bearing floor slabs may be employed provided that:

- All topsoil is removed.
- Formations are firm natural ground and moisture stable and not frozen, desiccated or excessively wet.
- A sub-base of well rolled graded inert durable granular fill should be provided.
- The total depth of any make-up following topsoil strip should be less than 600mm and this should be in well rolled granular fill as above.

Where all the above conditions cannot be met then a suspended ground floor should be used – this may be cast insitu if there is no risk of ground heave. All topsoil must be removed from beneath any type of ground floor.

Over the former quarry a suspended precast ground floor would be recommended.

There is no requirement for any Radon gas protection measures.

Ground gas monitoring is still being undertaken primarily of the former quarry – Methane has been detected in 3 boreholes – 2 within the former quarry and at a very low concentration in the extreme south east corner of the site (borehole CP07).

It is anticipated that some nominal gas protection measures may be required to buildings over the former quarry: for housing likely Amber 1 according to NHBC guidance (Ref. 8.8); for other buildings gas condition CS2 according to the British Standard for protection of building from ground gases (Ref. 8.9) but depending on the results of the further gas monitoring and assessment and the form of the proposed buildings here.

The results of the further gas monitoring and recommendations for any gas controls will be made as a later addendum to the present report.

6.6 EXCAVATIONS AND GROUNDWATER CONTROL

Excavations over the site should be readily formed by backhoe excavator, however the following should be noted:

- The sand and gravel will quickly become unstable in excavations especially in the presence of groundwater and deep excavations will need to be planned accordingly.
- Deep excavations below the water-bearing sand and gravel will need significant pumping and controls - dewatering may be required depending on the time of year and depth of excavations required.
- Similarly, deep excavations in the former quarry will quickly become unstable and side support together with groundwater control may be essential.

All excavation works carried out during construction at the site must strictly adhere to current legislation & guidance, including, but not limited to, design, inspections, reporting and provision of appropriate support or other safety measures.

6.7 ROAD AND HARDSTANDING DESIGN

6.7.1 FORMER QUARRY

It is recommended that the level of the backfill to the restored quarry is continued to be monitored to determine the degree of self-weight settlement to occur and therefore the form of support required to roads and hardstandings here.

If it is established that the backfill will be largely stable by the time of development then roads and hardstanding may simply require the provision of a suitable capping layer and likely a geotextile (such as terram). The final design to be determined on completion of the level monitoring and after suitable further insitu testing.

If significant settlement of the backfill is considered possible then it is anticipated that roads and hardstandings may require additional support – which could include:

- Vibro stone columns – to strengthen the made ground particularly beneath roads and sewers.
- Dry soil mixing (or wet soil mixing) – where the ground is stiffened by mixing a cementitious binder with insitu soils on a grid basis.
- Lime/cement stabilisation – a thickness of the existing soils is taken up and strengthened by addition of lime and/or cement and re-laid to form a stronger surface layer.
- Surcharging – by placement of a temporary embankment of soils over the area of ground to be strengthened plus a margin around, likely for several months with monitoring of induced settlements.

It is considered unlikely that dynamic compaction or high energy impact compaction would be best suited to strengthening the quarry backfill because of its clayey nature and high moisture content.

6.7.2 FARMLAND OUTSIDE THE FORMER QUARRY

Over the main part of the site CBR values are likely to vary from over 10% on sand and gravel to perhaps 2-3% on clay.

Once the final layout and levels of roads is established insitu testing should be undertaken. All soft soils and made ground should be removed and backfilled with a suitable durable granular capping or sub-base material.

It should be noted that shallow groundwater particularly in winter months will quickly cause deterioration of formations particularly if subject to disturbance or traffic. It will be necessary to control groundwater and preserve formations prior to road/hardstanding construction.

It may be advantageous to stabilise formations by lime/cement to make them more durable in wet conditions and reduce the depth of required sub-base. The advice of a suitable soil stabilisation specialist should be sought if this option is to be considered further.

6.8 CHEMICAL ATTACK ON BURIED CONCRETE

Laboratory testing shows that shallow natural soils are generally only mildly acidic or alkaline and with a low soluble Sulphate content. Concentrations of Sulphates increase locally in the backfilled quarry and also with depth in the natural soils. Concrete should be designed to the following criteria in accordance with BRE guidance (Ref. 8.11):

- In natural soils to 3m depth below existing ground level: DS-1 AC-1.
- In the backfilled quarry: DS-2 AC-2.
- Below 3m depth in natural soils: DS-2 AC-2.

6.9 SOAKAWAYS

Soakaway infiltration testing was attempted at 14 locations across the site in shallow pits – in general accordance with the recommendation of BRE 365 (Ref. 8.5) except that 3 full cycles of filling and discharge could not be completed at all locations because of practical site constraints and the rate of discharge. The results are summarised below with the full testing data presented in Appendix D.

SOAKAWAY REF	INFILTRATION RESULT (10 ⁻⁶ m/s)		
	ROUND 1	ROUND 2	ROUND 3
SA1	6.0	7.58	-
SA2	34.4	35.4	37.6
SA3	16.9	20.2	16.6
SA4	16.3	14.8	-
SA5	32	26.6	27.3
SA6	17	11.4	-
SA7	3.68	3.87	-
SA8	13.9	11.7	-
SA9	52.8	40.9	39.7
SA10	12.1	9.75	-
SA11	52.6	62.7	38.8
SA12	0	-	-

SOAKAWAY REF	INFILTRATION RESULT (10 ⁻⁶ m/s)		
	ROUND 1	ROUND 2	ROUND 3
SA13	4.5	5.28	-
SA14	7.9	5.44	-

Table 4 – Summary of Soakaway Infiltration Tests

The highly variable infiltration results over a short distance and difficulty in predicting what infiltration rate could be relied upon at any given location indicates together with relatively shallow groundwater in the areas of otherwise most suitable ground conditions indicate that the site is not ideally suited soakaways for disposal of stormwater.

7.0 GEO-ENVIRONMENTAL ASSESSMENT

7.1 LEGISLATION AND GUIDANCE

Prior to any development, the Local Planning Authority is required to satisfy itself that the potential for contamination has been properly assessed and that any necessary remedial works will be appropriately incorporated within the development. For any future development, it is the responsibility of the landowner and/or developer to carry out the necessary investigation, assessment and remediation.

Current governmental legislation defines contaminated land in the Environment Act 1995 and Part IIA of the Environmental Protection Act 1990 (Ref. 8.11), as:-

'Any land which appears to the local authority to be in such a condition, by reasons of substances in, on or under the land, that:-

significant harm is being caused or there is significant possibility of such harm being caused;

or

pollution of controlled waters is being, or is likely to be caused'.

Current legislation and guidance recommends the use of source – pathway – receptor linkage model to assess the risk of contamination within a site (Ref. 8.12). These three essential elements are described as:-

Source – a contaminant or hazard which is in, on or under the land and has the potential to cause harm or pollution of controlled waters.

Pathway – means by which a receptor can be exposed to, or affected by, a contaminant or hazard.

Receptor – something that could be adversely affected by a contaminant or hazard e.g. end-users and controlled waters.

A risk can only exist if all three elements are present. For example, even if a contaminant and a receptor are present, they can only create a risk when there is a pathway link between them. The table below represents a Conceptual Site Model with respect to possible contamination presence; it considers plausible pollutant linkages given the site's history, its environmental setting and the initial visual and physical findings of the exploratory hole investigation. This is then used to determine the appropriate chemical testing and risk assessment.

7.2 PRELIMINARY CONCEPTUAL SITE MODELS

The following tables present separate preliminary Conceptual Site Models - for the former sand/gravel quarry and for the rest of the site consisting of farmland - based on initial understanding of the site from desk studies, walkovers and exploratory holes.

These models are based on the history and setting of the relevant parts of the site and their proposed future usages. The assessments are made assuming that residential housing will have private gardens with the potential for householders to grow their own produce for consumption. Risks to controlled waters are also considered together with risks to construction personnel, other site users and including children at the School.

FORMER QUARRY AREA			
CONTAMINATIVE SOURCE	PATHWAY	RECEPTOR(S)	INITIAL RISK ASSESSMENT
Spillages of fuels or oils from vehicles (agricultural plant and then quarrying machinery).	Ingestion, inhalation or direct contact.	Residents, site users, School children, construction personnel.	<p>Quarrying activities were subject to modern controls and monitoring. There was no significant storage of fuels on site.</p> <p>There has been no indication from site walkovers or exploratory holes of presence of mobile chemicals or hydrocarbons.</p> <p>Residential areas would be at greatest risk where residents would be at risk from prolonged exposure to impacted soils in gardens. Construction personnel and other site users would be at less risk due to the reduced potential for exposure (and health and safety measures during construction).</p> <p>The Local Centre and School areas would be less at risk than housing with fewer potential exposure routes and shorter duration/degree of any exposure.</p> <p>The initial overall risk is assessed as Moderate.</p>
	Seepage to depth or leaching to groundwater and flow off site or to surface waters.	Controlled waters.	<p>The superficial drift deposits around the former quarry and Kellaways Formation at depth are classified as Secondary aquifers although with limited capacities and abstractions locally.</p> <p>There are several nearby ditch drains and these drain to the River Ouzel on the eastern site boundary.</p> <p>There has been no evidence however of storage or release of fuels, oils or other chemicals.</p> <p>The initial risk is assessed as Low to Moderate.</p>
	Direct contact.	Buried services – mainly water supply mains.	<p>Polymer water supply mains can be affected by even low concentrations of hydrocarbons but the effect is usually tainted water rather than a significant risk to health.</p> <p>The initial risk is assessed as Low.</p>

FORMER QUARRY AREA			
CONTAMINATIVE SOURCE	CONTAMINATIVE SOURCE	CONTAMINATIVE SOURCE	CONTAMINATIVE SOURCE
Deposition of hazardous wastes. Residual persistent contaminants likely to be metals, asbestos, sulphates or Polyaromatic Hydrocarbons.	Ingestion, inhalation or direct contact.	Residents, Site users, School children, Construction personnel.	<p>There is no indication of likely deposition of hazardous wastes. Backfilling the quarry has been entirely in recent months and subject to modern controls.</p> <p>Residential areas would be at greatest risk where residents would be at risk from prolonged exposure to impacted soils in gardens. Construction personnel and other site users would be at less risk due to the reduced potential for exposure (and health and safety measures during construction).</p> <p>The Local Centre and School areas would be less at risk than housing with fewer potential exposure routes and shorter duration/degree of any exposure.</p> <p>The initial risk is assessed as Moderate.</p>
	Leaching to groundwater and flow off site or to surface waters.	Controlled waters.	<p>There is no indication of likely deposition of hazardous wastes in or around the quarry and the quarry is being capped with topsoil.</p> <p>The likely contaminants would be of limited mobility.</p> <p>The initial risk is assessed as Low.</p>
	Direct contact.	Buried building materials – mainly concrete.	<p>The main risk would appear to be to concrete from potential sulphates.</p> <p>The initial risk is assessed as Low.</p>

FORMER QUARRY AREA			
CONTAMINATIVE SOURCE	CONTAMINATIVE SOURCE	CONTAMINATIVE SOURCE	CONTAMINATIVE SOURCE
Landfill gas from degradable wastes in the quarry backfill or migrating to site from nearby former quarries.	Inhalation and asphyxiation.	Residents, Site users, School children, construction personnel.	Restoration of the sand/gravel quarry has been entirely in recent months and subject to modern controls. No significant quantities of highly organic materials were noted in exploratory holes or when the quarry was first visited.
	Emission at the surface or via services and entry to buildings with risk of explosion.	Residents, Site users, School children, construction personnel.	It is considered unlikely that significant gases are likely to migrate to the site from the similar former quarry to the west (recently restored). Private residential housing directly over the former quarry would probably be most at risk from any hazardous gas emission from the site. The School and Local Centre would likely be less vulnerable and easier to risk manage. Migration of any gases beyond the former quarry boundary would appear unlikely in the absence of a motive force and preferential routes for migration laterally in preference to emission at the surface. The initial risk is assessed as Low .

Table 5 – Conceptual Site Model – Former Sand/Gravel Quarry

From the above Conceptual Site Model:

- The main risks would appear to be to residents on site from long-term exposure to any impacted soils in gardens.
- The risks to other site users, including of the Local Centre and children at the School, would appear significantly less due to fewer potential exposure pathways and reduced exposure durations.
- There is the potential for some hazardous gas production from the quarry backfill but likely at low rates of generation. Significant migration of hazardous gases on or to site would appear unlikely.
- The risk of any contaminants being mobilised to impact aquifers or the River Ouzel would appear likely most significant during construction, particularly during works in the ground.
- The risks to construction workers provided normal health and safety measures are in place would appear minimal.

MAIN SITE OUTSIDE THE QUARRY			
CONTAMINATIVE SOURCE	PATHWAY	RECEPTOR(S)	INITIAL RISK ASSESSMENT
Release of fuels or oils from vehicles (agricultural plant) or agri-chemicals.	Ingestion, inhalation or direct contact.	Residents, Site users, Construction personnel.	<p>The site area to be developed does not include the main farm areas. There is no indication that here has ever been significant storage of fuels or chemicals (or plant or machinery that used them) on the main site.</p> <p>There has been no indication from site walkovers or exploratory holes of presence of mobile chemicals or hydrocarbons.</p> <p>The main risk would be prolonged exposure of residents in private gardens. Construction personnel and other site users would be at less risk due to reduced potential for exposure to soils (and health and safety measures that should be standard practice during construction).</p> <p>The initial risk is assessed as Low.</p>
	Seepage to depth or leaching to groundwater and flow off site or to surface waters.	Controlled waters.	<p>The superficial drift deposits and Kellaways Formation at depth are classified as Secondary aquifers although with limited capacities and abstractions locally.</p> <p>There are several ditch drains and these drain to the River Ouzel on the eastern site boundary.</p> <p>There has been no evidence however of storage or release of fuels, oils or other chemicals.</p> <p>The initial risk is assessed as Low.</p>
	Direct contact.	Buried services – mainly water supply mains.	<p>Polymer water supply mains can be affected by even low concentrations of hydrocarbons but the effect is usually tainted water rather than a significant risk to health.</p> <p>The initial risk is assessed as Very Low.</p>

MAIN SITE OUTSIDE THE QUARRY			
CONTAMINATIVE SOURCE	CONTAMINATIVE SOURCE	CONTAMINATIVE SOURCE	CONTAMINATIVE SOURCE
Deposition of wastes at the surface or of burnt wastes or combustion products. Residual contaminants likely to be metals, sulphates, asbestos or Polyaromatic Hydrocarbons.	Ingestion, inhalation or direct contact.	Residents, Site users, Construction personnel.	<p>There is no indication of likely deposition of hazardous wastes when agricultural land.</p> <p>No extensive or deep made ground has been found outside the quarry. Made ground appears largely of small areas of local reworked soils.</p> <p>The main risk would be chronic exposure of residents in private gardens. Construction personnel and other site users would be at less risk due to reduced potential for exposure to soils (and health and safety measures that should be standard practice during construction).</p> <p>The initial risk is assessed as Low.</p>
	Leaching to groundwater and flow off site or to surface waters.	Controlled waters.	<p>There is no indication of likely deposition of wastes when agricultural land.</p> <p>The likely contaminants would be of limited mobility.</p> <p>The initial risk is assessed as Very Low.</p>
	Direct contact.	Buried building materials – mainly concrete.	<p>The main risk would appear to be to concrete from potential sulphates.</p> <p>The initial risk is assessed as Very Low.</p>
Landfill gas from degradable buried wastes on site or nearby.	Inhalation and asphyxiation.	Residents, Site users, construction personnel.	<p>The landfills to the north of the site are not large or likely deep – they appear to have been filled in the 1970s and are unlikely to have received highly organic wastes; they are 40-100m from site and it is considered that any gas production from them is likely to be limited and highly unlikely to migrate in any significant quantity to the site.</p>
	Emission at the surface or via services and entry to buildings with risk of explosion.	Residents, sites users.	<p>Gas production from the former quarry on site is anticipated to be minimal with a low probability of any significant migration beyond the boundary.</p> <p>The main site itself is not indicated to have been subject to any form of mineral working or filling or to have ever received wastes.</p> <p>The initial risk is assessed as Very Low</p>

Table 6 – Conceptual Site Model – Main Site Outside the Former Quarry

From the above Conceptual Site Model:

- The main risks would appear to be to residents on site from long-term exposure to any impacted soils in gardens.
- The risks to construction personnel or other site users would appear significantly less due to fewer potential exposure pathways and reduced exposure durations.
- There appears no significant potential for hazardous gas production on this part of the site and significant migration of hazardous gases from the former quarry would appear unlikely.
- The risk of any contaminants being mobilised to impact aquifers or the River Ouzel would appear minimal but most likely during works in the ground.
- The risks to construction workers provided normal health and safety measures are in place would appear minimal.

7.3 DISCUSSION OF CHEMICAL TESTING

A series of guideline values has been published by the Environment Agency to facilitate assessment of risk of soil contamination in the UK for a several types of land use (Ref. 8.13) including the most onerous use – residential housing with the potential for householders to grow and consume home-produce from private gardens. These consider 10 potential routes by which site users/occupiers may be exposed to contaminants in soils either directly, as outlined above, and also by consumption of site-grown vegetables. The CLEA Soil Guideline Values (SGVs) have been issued for a restricted range of contaminants however and therefore reference is made to other generally accepted criteria for the assessment of contaminated land.

The Chartered Institute of Environmental Health (CIEH) and Land Quality Management (LQM) have developed a series of Suitable For Use Levels (S4ULs) which identify concentrations of contaminants in soils regarded as posing a negligible risk to human health (Ref. 8.14).

There is no longer an SGV for Lead and no S4UL has been developed to replace the disused criteria. DEFRA has developed a series of Category 4 Screening Levels also for the assessment of risk to human health from contaminated land (Ref. 8.15). The C4SL for Lead represents a more cautious criterion for Lead than the old SGV and although only issued on a provisional basis represents current science.

Chemical analysis was undertaken on 25 soil samples from within the former quarry and 24 from the rest of the site. Testing was for a broad suite of typical contaminants. The results have been summarised and tabulated in Table 7 and compared against SGVs, S4ULs and in the case of Lead the Category Four Screening Level (C4SL) derived by DEFRA, for the most stringent 'Residential' site end-use.

DETERMINAND	CONCENTRATION (mg/kg)				RELEVANT GUIDANCE VALUE* (mg/kg)
	FIELDS OUTSIDE QUARRY		QUARRY		
	RANGE	AVERAGE	RANGE	AVERAGE	
Arsenic	12 - 43	19.5	8.4 - 28	17.8	37 (S4UL)
Boron	<0.4 - 2.7	<0.74	<0.4 - 1.7	<0.66	
Cadmium	0.11 - 3.3	0.4	<0.1 - 0.46	<0.21	11 (S4UL)
Total Chromium	17 - 42	27.8	14 - 40	27.5	910 (S4UL)
Chromium VI	All <0.5 or 1	<0.63	All <0.5 or 1.2	<0.5 or 1.2	6 (S4UL)
Copper	11 - 25	16.7	9.3 - 32	17.8	2400 (S4UL)
Lead	13 - 130	31.4	14 - 770	59.2	C4SL = 200
Mercury	0.05 - 0.15	<0.1	<0.05 - <0.3	<0.13	1.2 (S4UL)
Nickel	14 - 43	23.9	13 - 47	25.9	181 (S4UL)
Selenium	0.2 - 0.48	<0.38	<0.2 - <1	<0.43	250 (S4UL)
Zinc	42 - 370	76.8	38 - 260	71.6	3700 (S4UL)
Total Petroleum Hydrocarbons (TPH)	<10 - 110	<20.8	<10 - 370	<30.4	NA
Polyaromatic Hydrocarbons (PAH)	<0.1 - <2	<1.5	<0.1 - 7.4	<1.9	NA
Benzo[a]pyrene (BaP)	All <0.03 or <0.1	<0.08	<0.03 - 0.46	<0.11	2.2 (S4UL)
Phenols	<0.1 - 0.4	<0.15	All <0.1 or <1	<0.27	
Asbestos (2+7 samples)	ND	-	ND	-	NA
OTHER SOIL PROPERTIES:					
pH	5.7 - 8.0	NA	6.9 - 8.6	NA	NA
Organic matter (%)	0.72 - 5.2	2.94	0.57 - 12	2.2	NA
Soluble Sulphate	<0.01 - 0.036	<0.016	<0.01 - 1.0	<0.26	NA

NA= Not Available or Not Applicable

LOD= Limits of detection

* Where different values are indicated dependent on the form of the compound or the nature of the soil the lower value has been used.

Table 7 – Chemical Test Results for Contaminants in Soils

From the results presented here and the full set of results presented in Appendix F, the following observations can be made:

- The results for the backfilled former quarry and the remaining main part of the site which is farmland are reasonably similar.
- No asbestos has been detected.
- Within the former quarry area:
 - A single result for Lead (770mg/kg at 0.6m depth in trial pit TPBH11A) is more elevated than would be suitable near surface in a garden.
 - The same soil sample shows a slightly elevated TPH of 370mg/kg.
 - Measurable polyaromatic hydrocarbons were only found in 2 samples and these do not indicate serious impact or need for remediation/mitigation in gardens.

- Outside the former quarry:
 - A single Arsenic result is slightly above the S4UL for residential housing – it relates to shallow local made ground outside the quarry (TP17).
 - No other significantly elevated results for any contaminants have been found outside the quarry.

7.4 DISCUSSION OF GAS MONITORING

Three rounds of gas monitoring have been undertaken to date. Briefly the monitoring to date has shown:

- Detectable Methane in the south of the former quarry with concentrations of 4% and 33% LEL (the Lower Explosive Limit) – 0.2% and 1.4% by volume. 11% LEL has been detected in borehole CP07 in the south east corner of the site (away from the former quarry or any made ground).
- Carbon Dioxide in the range zero to 13.4% but mainly below 3%. The highest value detected within borehole BH24 in the south of the former quarry.
- Carbon Dioxide concentrations outside the quarry are in the range zero to 4.4% with some Carbon Dioxide being measured across the site.
- No gas flows have been measured.

The full results of the monitoring are presented in Appendix E. It is intended to undertake at least 6 rounds of gas monitoring over approximately a 5-6 month period or until such time that the gas regime at present and for the future can be reasonably determined.

Factors relevant to the assessment of the gas regime within the quarry include:

- The backfill has been monitored for unsuitable non-inert content and there is no historic 'uncontrolled' fill present.
- Exploratory holes to date indicate only limited quantities of organic material – construction industry wood mainly and no refuse, plant or vegetable matter.
- The backfill is not deep or covered by a thick impermeable cover and so generated gases are likely to be quickly emitted at the surface.
- The backfill is already largely saturated and relatively compact and as such conditions are unlikely to significantly change over time.

7.5 RE-USE OF TOPSOIL

Chemical (and geotechnical) testing was undertaken on 4 samples of topsoil from across the site to determine compliance with the British Standard for topsoil. The results have been assessed against the specified requirements for a multi-purpose topsoil; in summary:

- The samples were predominantly of sand and 3 out of the 4 failed the grading requirement for a topsoil because of a slight lack of clay content.
- The samples had a low but compliant organic content – in the range 3.4 to 5.6% (measured as 'loss on ignition').
- The samples showed a lack of nutrients – specifically Phosphorus and to a lesser degree Potassium.
- Two samples showed slightly elevated Nickel content (Nickel can inhibit plant growth).

The results are fairly typical of a modern agricultural topsoil that has not been used by animals. The high sand content is not in our experience a serious failing – this is preferable to a high clay content and the other deficits can be addressed by use of a soil improver or fertiliser (to increase the Phosphorus, Potassium and organic contents in particular).

In summary the topsoil is not of high quality but it should be suitable for reuse in gardens and public open spaces areas. It will be very important however to carefully strip, stockpile, handle and re-lay it – with particular attention to stockpiling and placement on a suitable prepared subsoil. Suitable guidance is given in the British Standard for the proper management of topsoil (Ref. 8.7).

7.6 CONCLUSIONS AND RECOMMENDATIONS WITH RESPECT TO CONTAMINATION PRESENCE

7.6.1 LIMITATIONS

Ground gas monitoring is ongoing with only 3 of at least 6 of rounds of monitoring undertaken to date.

Level monitoring of the backfilled quarry has only just commenced and recommendations for the detailed design of roads, foundations and infrastructure in the former quarry area will follow a suitable period of monitoring – likely over 6 months.

7.6.2 CHEMICAL CONTAMINATION AND REMEDIATION/MITIGATION MEASURES

The findings of the exploratory holes and chemical testing on recovered soil samples indicate that soils across the site in both the former quarry and outside the quarry across the main farmland part of the site may be considered largely uncontaminated.

The instances of slightly elevated contaminants (discussed below) appear to indicate only locally impacted soils with no plausible significant risk to controlled waters or requirement for removal from site or special measures for undertaking works generally in the ground.

Former Quarry

A single sample of made ground at the north of the former quarry (TPBH11A at 0.6m depth) is slightly impacted with metals and hydrocarbons. The backfilled quarry topsoil cover shows no indication of elevated contaminants; the backfill in the quarry is generally clean. It will be important to ensure that gardens over the former quarry have at least 600mm depth of clean soils free of any demolition materials and that landscaped areas and public open space areas, including any school playing fields, have at least 300mm of clean soil cover.

Any external area to the school where children might be involved in growing of produce for consumption should be ensured to have a 600mm clean soil cover.

The topsoil over the former quarry may be reused in gardens, public open space areas and play areas.

Outside the Quarry

There is a local area of made ground (TP17 in the east of the site) with slightly elevated Arsenic and it should be ensured that soils from this area do not remain in private gardens without 600mm of clean soil cover or in public open spaces areas without at least 300mm of clean soil cover.

7.6.3 HAZARDOUS GROUND GAS ASSESSMENT

The findings of the desk study, exploratory holes and the gas monitoring to date, indicate that there is slight Methane gas production in the backfilled quarry (up to 1.4% Methane) but there is not a substantial organic content to the backfill. Gas production therefore is likely to be slow and localised; migration would appear highly unlikely unless development creates clear easy preferential pathways.

Traces of Carbon Dioxide are present across the site with concentrations of up to 6.5% in the former quarry.

The site is in an area where no Radon gas protection measures are required.

Gas monitoring is ongoing and at least 3 further rounds of monitoring will be undertaken over the coming months. RGL's preliminary assessment of the gas regime is:

- Some basic gas protection measures may be required to buildings over the former quarry consisting of installation of a suitable gas-membrane to ground floors and a ventilated void beneath. Likely Amber 1 precautions for housing according to NHBC guidance; for non-residential buildings: CS2 to BS8485.
- Preferential pathways (such as gravel-filled service routes) that could convey ground gases beyond the former quarry should be avoided and if necessary means of venting off any ground gases in controlled locations may be advised by use of gravel filled interceptor trenches.
- No gas protection or control measures would appear required outside of the former quarry area – provided the advice above about not creating preferential pathways is incorporated in the scheme.

7.6.4 DISCOVERY STRATEGY

Although considered unlikely the possibility of encountering unexpected 'hotspots' of contamination cannot be entirely ruled out either in the former quarry or elsewhere across the site. Should suspicious material be encountered during the course of the development works they should be reported to RGL immediately for assessment and appropriate action. Possible contaminated material might include:

- Buried or deposited wastes.
- Animal wastes.
- Odorous materials.
- Barrels or tanks.
- Discoloured soils or groundwater.
- Asbestos-containing materials.

It is essential that all site personnel follow current Health and Safety regulations relating to personal protection and safety including usage of appropriate PPE and adherence to good hygiene practices as described in Health and Safety Executive (HSE) guidance.

7.6.5 WATER SUPPLY PIPES

It is considered that no special precautions with respect to potable water pipe design will be required at this site. It is essential that the laboratory test results in Appendix F are supplied to the relevant local water authority for them to assess their specific requirements for water pipe and associated construction materials.

7.7 REVISED CONCEPTUAL SITE MODELS

The following tables present revised Conceptual Site Models taking account of the results of chemical testing and gas monitoring to date and the indicated mitigation measures to be undertaken as part of development discussed above.

FORMER QUARRY AREA			
CONTAMINATIVE SOURCE	PATHWAY	RECEPTOR(S)	RISK ASSESSMENT
Spillages of fuels or oils from vehicles (agricultural plant and then quarrying machinery).	Ingestion, inhalation or direct contact.	Residents, site users, School children, construction personnel.	Sampling and testing of made ground shows only local presence of low concentrations of Petroleum hydrocarbons.
	Seepage to depth or leaching to groundwater and flow off site or to surface waters.	Controlled waters.	It is proposed to ensure that gardens have 600mm of validated clean soils and that POS areas have at least 300mm of clean soils.
	Direct contact.	Buried services – mainly water supply mains.	The residual risks with the above measures in place are assessed as Very Low .
Deposition of hazardous wastes. Residual persistent contaminants likely to be metals, asbestos, sulphates or Polyaromatic Hydrocarbons.	Ingestion, inhalation or direct contact.	Residents, Site users, School children, Construction personnel.	The investigations have shown no suspected asbestos-containing materials and none has been detected in soil samples.
	Leaching to groundwater and flow off site or to surface waters.	Controlled waters.	Chemical testing has shown generally low levels of contaminants including metals, sulphates and polyaromatic hydrocarbons. A single slightly elevated Lead result has occurred.
	Direct contact.	Buried building materials – mainly concrete.	It is proposed to ensure that gardens have 600mm of validated clean soils and that POS areas have at least 300mm of clean soils. The residual risk is assessed as Very Low .
Landfill gas from degradable wastes in the quarry backfill or migrating to site from nearby former quarries.	Inhalation and asphyxiation.	Residents, Site users, School children, construction personnel.	No substantial organic material has been noted within the former quarry. Methane has been detected but at low concentrations with no flow pressures. Carbon Dioxide is low or only slightly elevated. Gas monitoring is ongoing.
	Emission at the surface or via services and entry to buildings with risk of explosion.	Residents, Site users, School children, construction personnel.	Gas membranes, ventilated ground floors and gas movement controls are likely to be advised. The initial assessment of the residual risks with the above in place is that the risks will be Low .

Table 8 – Revised Conceptual Site Model – Former Sand/Gravel Quarry

MAIN SITE OUTSIDE THE QUARRY			
CONTAMINATIVE SOURCE	PATHWAY	RECEPTOR(S)	INITIAL RISK ASSESSMENT
Release of fuels or oils from vehicles (agricultural plant) or agri-chemicals.	Ingestion, inhalation or direct contact.	Residents, Site users, Construction personnel.	The exploratory holes and soil testing have shown no significant hydrocarbons presence in soils. The residual risks are assessed as Very Low .
	Seepage to depth or leaching to groundwater and flow off site or to surface waters.	Controlled waters.	
	Direct contact.	Buried services – mainly water supply mains.	
Deposition of wastes at the surface or of burnt wastes or combustion products. Residual contaminants likely to be metals, sulphates, asbestos or Polyaromatic Hydrocarbons.	Ingestion, inhalation or direct contact.	Residents, Site users, Construction personnel.	The exploratory holes and testing have shown only local areas of made ground and a single very slightly elevated Arsenic result. The made ground here will be ensured capped with 300mm or 600mm of clean soils if in POS or a garden. The residual risks with the above measures in place are assessed as Very Low .
	Leaching to groundwater and flow off site or to surface waters.	Controlled waters.	
	Direct contact.	Buried building materials – mainly concrete.	
Landfill gas from degradable buried wastes on site or nearby.	Inhalation and asphyxiation.	Residents, Site users, construction personnel.	No substantial organic material has been noted within the former quarry. Methane has been detected but at low concentrations with no flow pressures. Carbon Dioxide is low or only slightly elevated. No organic made ground has been identified on this main part of the site. Gas monitoring is ongoing. Gas movement controls are likely to be advised. The initial assessment of the residual risks with the above in place is that the risks will be Very Low .
	Emission at the surface or via services and entry to buildings with risk of explosion.	Residents, sites users.	

Table 9 – Revised Conceptual Site Model – Main Site Outside the Former Quarry

The Conceptual Site Models will be updated and amended as further gas monitoring is undertaken and when the remaining parts of the former quarry have been restored and exploratory holes undertaken with soils sampled and tested.

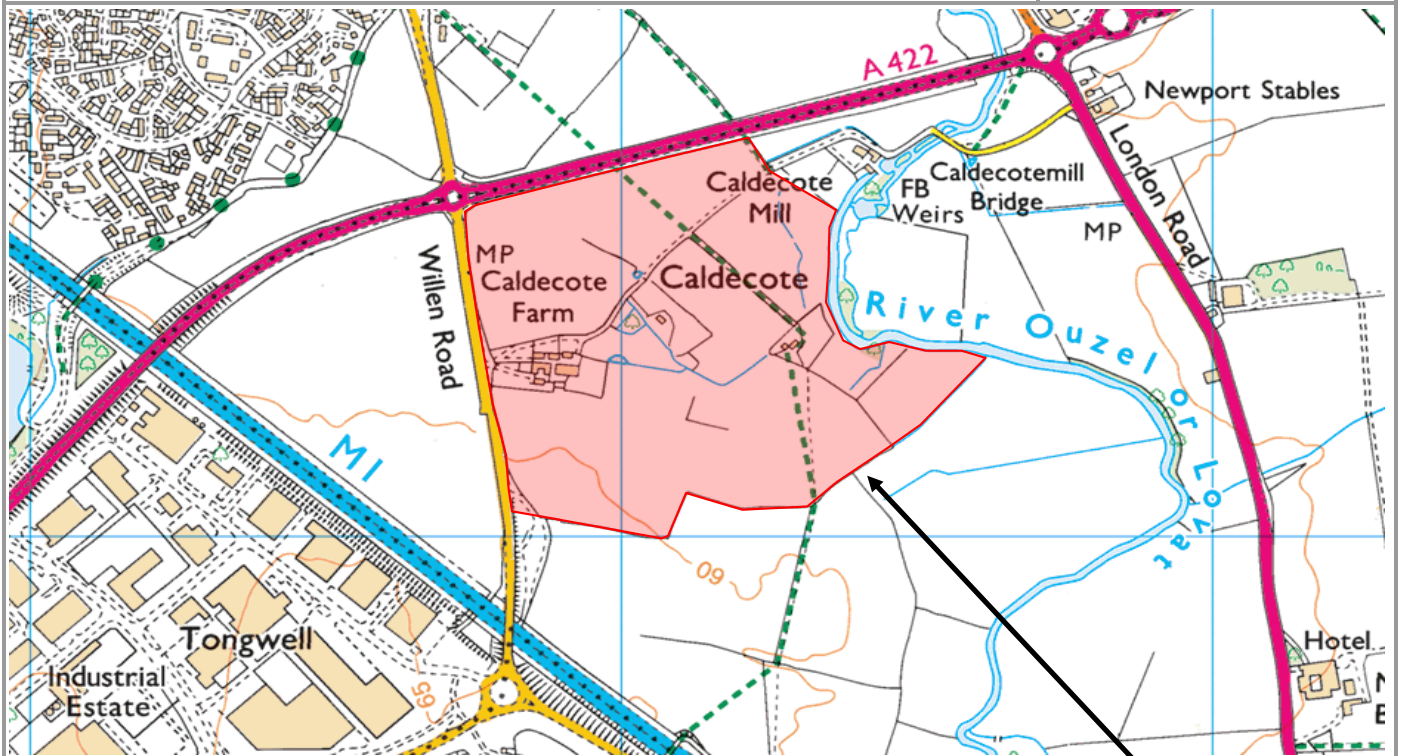
8.0 REFERENCES

- 8.1 British Geological Survey 'Geology of Britain Viewer'
<http://mapapps.bgs.ac.uk/geologyofbritain/home.html>
- 8.2 British Geological Survey 'Milton Keynes – Sheet SP 83 & Parts of SP 73, 74, 84, 93 & 94' 1:25,000, 1971.
- 8.3 Building Research Establishment, BRE Special Digest 211:2015 4rd edition 'Radon, Guidance on Protective Measures for New Buildings'.
- 8.4 British Standard BS 5930:2015 + A1:2020, 'Code of practice for ground investigations'.
- 8.5 Building Research Establishment, BRE 365 'Soakaway Design', 2016.
- 8.6 British Standard 1377:1990, Part 9, 'Methods of Test for Soils for Civil Engineering Purposes'.
- 8.7 British Standard BS 3882: 'Specification for Topsoil', 2015.
- 8.8 National House Building Council, 'NHBC Standards 2021'.
- 8.9 British Standard BS 8485:2015 + A1:2019 'Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings', 2015.
- 8.10 Building Research Establishment, BRE Special Digest 1:2005 3rd edition, 'Concrete in Aggressive Ground'.
- 8.11 DEFRA, 'Environmental Protection Act 1990: Part 2A – Contaminated Land Statutory Guidance', 2012.
- 8.12 Environment Agency, 'Land Contamination Risk Management', 2021.
- 8.13 Environment Agency/DEFRA, 'Using Soil Guideline Values', 2009.
- 8.14 Chartered Institute of Environmental Health and Land Quality Management Ltd, 'The LQM/CIEH S4ULs for Human Health Risk Assessment' 2015.
- 8.15 DEFRA, 'Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination', 2014.

APPENDIX A – DRAWINGS AND FIGURES

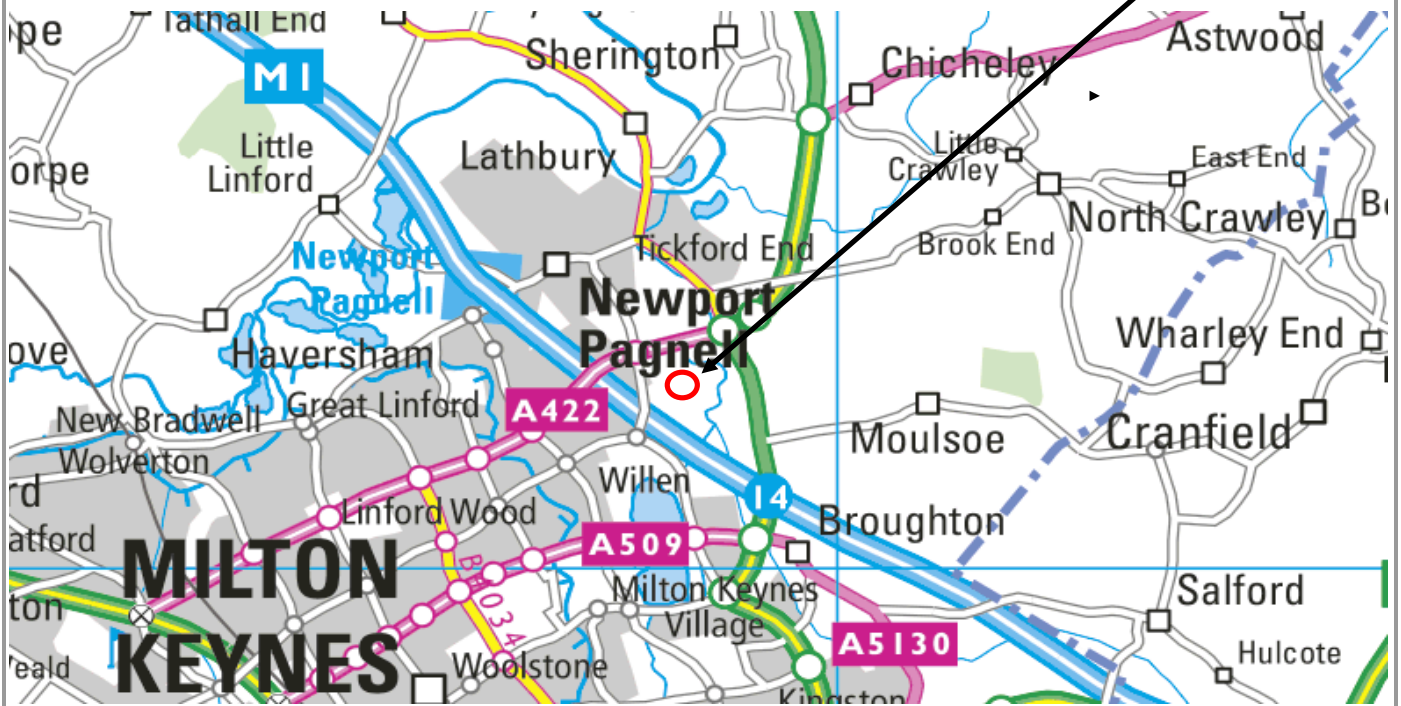
- 190021-RGL-ZZ-XX-DR-Z-100-0001_Site Location Plan
- 190021-RGL-ZZ-XX-DR-G-900-0005_Exploratory Hole Location Layout

Project No.	19-0021 - Land off Willen Road, Newport Pagnell, Buckinghamshire, MK16 0FE
Figure No & Title	1. Site Location Plan
Date	June 2021
Scale	N.T.S.
Prepared by	EMS



Nearest Postcode MK16 0HA
Approx Grid Reference 488171 / 242354

SITE



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NOTES

- This drawing is to be read in conjunction with all the relevant contract documentation.

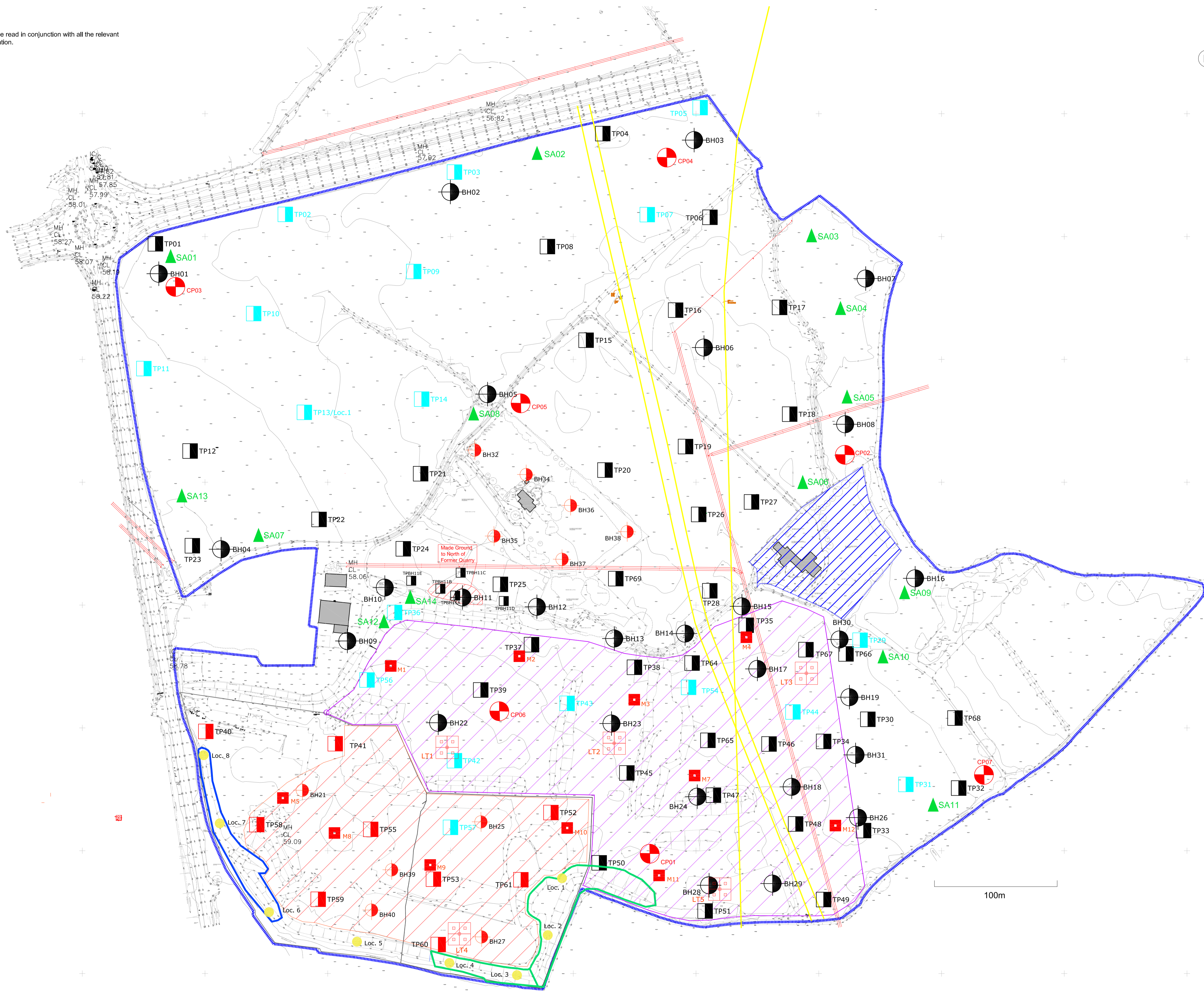
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Standard construction hazards that a competent contractor would be aware of have not been identified on this drawing. Risks that may not be immediately apparent are listed below.

Status	Date	Description	Dwn Eng Chkd Verd
S2-P01	06.10.21	Issued for Information	CFC CFC PRA PRA

Key

- SA09 RGL Soakaway Location Sept 2020
- TP11 RGL Trial Pit Location Sept 2020
- TP01 RGL Trial Pit Location April 2021
- TP40 RGL Trial Pit Location August 2021
- BH01 RGL Window Sample Borehole Location April 2021
- BH34 RGL Window Sample Borehole Location August 2021
- CP01 RGL Cable Percussion Borehole Location April 2021
- Loc. 8 RGL Sampling Location In Bund August 2021
- LT1 RGL Grouped Monitoring Points With Applied Loading From Soil Bund August 2021
- M1 RGL Single Monitoring Point With No Applied Loading August 2021
- Overhead Powerlines
- Approximate Boundary of Reinstated Former Quarry
- Approximate Area of Recent Filling In Former Quarry March 2021 - August 2021
- Site Boundary and Exclusion Zones Not Part of The Site
- Current Extent of Bund Comprised of Topsoil August 2021
- Current Extent of Bund Comprised of Natural Arisings August 2021



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Project:
**Bloor Homes South Midlands Ltd
Land off Willen Road
Newport Pagnell
Buckinghamshire**

Drawing Title:
**Exploratory Hole Location Layout
September 2020 - August 2021**

RGL Project Ref: 19-0021	Scale@A1 NTS	Scale@A3 NTS
Specification(s):		

Drawing Number: 190021-RGL-ZZ-XX-DR-G-900-0005	Status: S2-P01
Project-Originator-Zone-Level-Type-Role-Classification-Number	Subsidiary-Revision
Issue Purpose: INFORMATION	

APPENDIX B – ENVIROCHECK REPORT



Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

233646892_1_1

Customer Reference:

19-0021

National Grid Reference:

487860, 242090

Slice:

A

Site Area (Ha):

40.3

Search Buffer (m):

1000

Site Details:

Land off Willen Road

Newport Pagnell

Buckinghamshire

MK16 0FE

Client Details:

Ms T Mehew

Rolton Group

The Charles Parker Building

Midland Road

Higham Ferrers

Northamptonshire

NN10 8DN



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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

Contents



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 1	2	1	13	19
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 9				4
Integrated Pollution Prevention And Control	pg 10				2
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 10				1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 11	Yes			
Pollution Incidents to Controlled Waters	pg 11		1	5	13
Prosecutions Relating to Authorised Processes	pg 14				1
Registered Radioactive Substances					
River Quality	pg 14	1		2	
River Quality Biology Sampling Points	pg 15				1
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 15			1	2
Water Abstractions	pg 15	1	4	1	(*2)
Water Industry Act Referrals	pg 17			1	
Groundwater Vulnerability Map	pg 17	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 19	2	n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 19	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 19	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 19	Yes	Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 20	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 20	15	27	13	13



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
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BGS Recorded Landfill Sites	pg 28		1		
Historical Landfill Sites	pg 28		2		1
Integrated Pollution Control Registered Waste Sites					
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Local Authority Landfill Coverage	pg 29	1	n/a	n/a	n/a
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Potentially Infilled Land (Non-Water)					
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Registered Landfill Sites	pg 31				1
Registered Waste Transfer Sites	pg 31		1		
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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 32	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 32	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 34	1	2		
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			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 35	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 35	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 35	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 35	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 35	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 37	3		6	39
Fuel Station Entries					
Points of Interest - Commercial Services	pg 41			1	14
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 42	2		5	6
Points of Interest - Public Infrastructure	pg 43		5	2	2
Points of Interest - Recreational and Environmental	pg 44			1	8
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					
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	pg 45	1			1
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 to Occur at Surface	A11NE (NW)	0	1	487857 242086
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SW (NW)	229	1	487500 242500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A11SW (SW)	255	1	487600 241950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SE (NW)	334	1	487400 242450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SE (NW)	389	1	487350 242400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SE (NW)	439	1	487300 242400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10NE (NW)	447	1	487300 242350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	488	1	488250 243200
1	Discharge Consents Operator: Bastion Build Ltd Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Caldecote Farm Willen Road, Caldecote, Milton Keynes, Bucks, Mk16 0jj Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Prcnf17963 Permit Version: 1 Effective Date: 1st July 2007 Issued Date: 1st February 2007 Revocation Date: 6th February 2013 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ditch Trib R Ouzel Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A11NE (N)	0	2	487931 242320
2	Discharge Consents Operator: G. Morgan Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: Caldecote Farm, Newport Pagnell, Bucks., Mk16 0jj Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr1nfg0821 Permit Version: 1 Effective Date: 28th May 1963 Issued Date: 28th May 1963 Revocation Date: 20th February 1991 Discharge Type: Agricultural effluents Discharge: Freshwater Stream/River Environment: Receiving Water: River Lovat Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A11NW (N)	0	2	487800 242300
3	Discharge Consents Operator: Mr S F Wildsmith Property Type: Domestic Property (Single) Location: Caldecote Mill London Road, Newport Pagnell, Bucks, Mk16 0ha Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Pr1nf1724 Permit Version: 2 Effective Date: 25th March 1992 Issued Date: 25th March 1992 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Ouzel Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A16SW (NE)	97	2	488408 242668



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p>Discharge Consents</p> <p>Operator: East Midlands Electricity Plc Property Type: SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY Location: Tongwell Sub-Station, Ranelagh Gardens, Newport Pagnell, Bucks, Mk16 0lx Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Pr1nf1621 Permit Version: 1 Effective Date: 28th January 1985 Issued Date: 28th January 1985 Revocation Date: 12th February 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tongwell Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A15NW (NW)	260	2	487500 242700
5	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cotton Valley Water Recycling Ctr Tongwell Street, Fox Milne, Milton Keynes, Buckinghamshire, Mk15 0sb Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Awcnf10296 Permit Version: 3 Effective Date: 25th July 2006 Issued Date: 25th July 2006 Revocation Date: 8th May 2008 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Great Ouse/River Ouzel Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Manually corrected supplier location</p>	A12SW (SE)	264	2	488410 241800
6	<p>Discharge Consents</p> <p>Operator: Western Power Distribution (East Midlands) Limited Property Type: SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY Location: Tongwell Sub-Station, Ranelagh Gardens, Newport Pagnell, Bucks, Mk16 0lx Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Pr1nf1621 Permit Version: 2 Effective Date: 13th February 1992 Issued Date: 13th February 1992 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tongwell Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	A14NE (NW)	314	2	487440 242696
6	<p>Discharge Consents</p> <p>Operator: Sgs Construction Ltd Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Caldecote Quarry Land Off Caldecote Farm, Willen Road, Milton Keynes, Bucks, Mk16 0jj Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Prcnf17695 Permit Version: 1 Effective Date: 5th October 2006 Issued Date: 5th October 2006 Revocation Date: 7th May 2014 Discharge Type: Trade Discharge - Mineral Workings Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Tongwell Brook Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A14SE (NW)	346	2	487401 242683



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<p>Discharge Consents</p> <p>Operator: Mr S F Wildsmith Property Type: Domestic Property (Single) Location: Caldecote Mill London Road, Newport Pagnell, Bucks, Mk16 0ha Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Milton Keynes) Reference: Pr1nf1724 Permit Version: 1 Effective Date: 30th January 1985 Issued Date: 30th January 1985 Revocation Date: 24th March 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Ouzel Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A16NE (NE)	322	2	488600 242800
8	<p>Discharge Consents</p> <p>Operator: Mr Gurjit Bains And Mr Sukhdev Bains Property Type: Domestic Property (Single) Location: 17a London Road, Newport Pagnell, Buckinghamshire, Mk16 0ha Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Npswd002486 Permit Version: 1 Effective Date: 23rd December 2009 Issued Date: 23rd December 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Ouzel 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</p>	A16NE (NE)	399	2	488640 242869
9	<p>Discharge Consents</p> <p>Operator: Mrs M Booth Property Type: Domestic Property (Single) Location: London Road No.42, Newport Pagnell, Bucks, Mk16 0ha Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Pr1nf2974 Permit Version: 2 Effective Date: 12th March 1992 Issued Date: 12th March 1992 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Ouzel Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m</p>	A16NE (NE)	435	2	488560 242980
9	<p>Discharge Consents</p> <p>Operator: Mr J C Marshall Property Type: Domestic Property (Single) Location: London Road No.42, Newport Pagnell, Bucks., Mk16 0ha Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Pr1nf2987 Permit Version: 2 Effective Date: 6th March 1992 Issued Date: 6th March 1992 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Ouzel Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	A16NE (NE)	473	2	488581 243012



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	<p>Discharge Consents</p> <p>Operator: Mr D Booth Property Type: Domestic Property (Single) Location: London Road No.42, Newport Pagnell, Bucks., Mk16 0ha Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Pr1nf2987 Permit Version: 1 Effective Date: 2nd February 1988 Issued Date: 2nd February 1988 Revocation Date: 5th March 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Ouzel Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m</p>	A16NE (NE)	436	2	488600 242950
11	<p>Discharge Consents</p> <p>Operator: Mr D Booth Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Newport Pagnell London Road Stw London Road, Newport Pagnell, Bucks Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Pr1nf2974 Permit Version: 1 Effective Date: 2nd February 1988 Issued Date: 2nd February 1988 Revocation Date: 11th March 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Ouzel Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A16NE (NE)	463	2	488700 242900
11	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Newport Pagnell London Road Stw London Road, Newport Pagnell, Bucks Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Aw1nf187 Permit Version: 3 Effective Date: 30th June 1985 Issued Date: 30th June 1985 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary River Ouzel Nt Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A16NE (NE)	463	2	488700 242900
12	<p>Discharge Consents</p> <p>Operator: Davies Mr Property Type: Domestic Property (Multiple) Location: London Rd Nos 19-25 London Road, Newport Pagnell, Bucks, Mk16 0ha Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Pr1nf1632 Permit Version: 2 Effective Date: 7th February 1992 Issued Date: 7th February 1992 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Ouzel Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m</p>	A16NE (NE)	487	2	488800 242800



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	<p>Discharge Consents</p> <p>Operator: Mr.R. Franklin /Mr.R. Sampson, Property Type: Domestic Property (Multiple) Location: London Rd Nos 19-25 London Road, Newport Pagnell, Bucks, Mk16 0ha Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Pr1nf1632 Permit Version: 1 Effective Date: 28th January 1985 Issued Date: 28th January 1985 Revocation Date: 6th February 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Ouzel Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A16NE (NE)	487	2	488800 242800
13	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cotton Valley Water Recycling Ctr Tongwell Street, Fox Milne, Milton Keynes, Buckinghamshire, Mk15 0sb Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Awcnf10296 Permit Version: 2 Effective Date: 1st January 1999 Issued Date: 24th December 1998 Revocation Date: 24th July 2006 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Great Ouse/River Ouzel Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A8NE (SE)	644	2	488626 241482
13	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cotton Valley Water Recycling Ctr Tongwell Street, Fox Milne, Milton Keynes, Buckinghamshire, Mk15 0sb Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Awcnf10296 Permit Version: 2 Effective Date: 1st January 1999 Issued Date: 24th December 1998 Revocation Date: 24th July 2006 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Great Ouse/River Ouzel Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A8NE (SE)	644	2	488626 241482
13	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cotton Valley Water Recycling Ctr Tongwell Street, Fox Milne, Milton Keynes, Buckinghamshire, Mk15 0sb Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Awcnf10296 Permit Version: 1 Effective Date: 16th December 1996 Issued Date: 17th December 1996 Revocation Date: 31st December 1998 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Great Ouse/River Ouzel 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</p>	A8NE (SE)	644	2	488626 241482



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cotton Valley Water Recycling Ctr Tongwell Street, Fox Milne, Milton Keynes, Buckinghamshire, Mk15 0sb</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Awcnf10296 Permit Version: 1 Effective Date: 16th December 1996 Issued Date: 17th December 1996 Revocation Date: 31st December 1998 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Great Ouse/River Ouzel 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</p>	A8NE (SE)	644	2	488626 241482
13	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cotton Valley Water Recycling Ctr Tongwell Street, Fox Milne, Milton Keynes, Buckinghamshire, Mk15 0sb</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Awcnf10275 Permit Version: 1 Effective Date: 18th May 1990 Issued Date: 19th May 1990 Revocation Date: 15th December 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lagoons/R Gt Ouse/R Ouzel Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	A8NE (SE)	644	2	488626 241482
13	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cotton Valley Water Recycling Ctr Tongwell Street, Fox Milne, Milton Keynes, Buckinghamshire, Mk15 0sb</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Aw1nf1858 Permit Version: 1 Effective Date: 3rd July 1986 Issued Date: 4th July 1986 Revocation Date: 17th May 1990 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Abbey Lagoon/R Gt Ouse/R Ouzel Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m</p>	A8NE (SE)	644	2	488626 241482
13	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cotton Valley Water Recycling Ctr Tongwell Street, Fox Milne, Milton Keynes, Buckinghamshire, Mk15 0sb</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Awcnf10296 Permit Version: 5 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: 13th July 2015 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Great Ouse/River Ouzel Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A8NE (SE)	665	2	488630 241460



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cotton Valley Water Recycling Ctr Tongwell Street, Fox Milne, Milton Keynes, Buckinghamshire, Mk15 0sb</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Awcnf10296 Permit Version: 5 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: 13th July 2015 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Great Ouse/River Ouzel Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A8NE (SE)	665	2	488630 241460
13	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cotton Valley Water Recycling Ctr Tongwell Street, Fox Milne, Milton Keynes, Buckinghamshire, Mk15 0sb</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Awcnf10296 Permit Version: 3 Effective Date: 25th July 2006 Issued Date: 25th July 2006 Revocation Date: 8th May 2008 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Great Ouse/River Ouzel Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A8NE (SE)	665	2	488630 241460
13	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cotton Valley Water Recycling Ctr Tongwell Street, Fox Milne, Milton Keynes, Buckinghamshire, Mk15 0sb</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Awcnf10296 Permit Version: 4 Effective Date: 9th May 2008 Issued Date: 25th July 2006 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Great Ouse/River Ouzel Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A8NE (SE)	665	2	488630 241460
13	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cotton Valley Water Recycling Ctr Tongwell Street, Fox Milne, Milton Keynes, Buckinghamshire, Mk15 0sb</p> <p>Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Awcnf10296 Permit Version: 4 Effective Date: 9th May 2008 Issued Date: 25th July 2006 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Great Ouse/River Ouzel Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A8NE (SE)	665	2	488630 241460



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cotton Valley Water Recycling Ctr Tongwell Street, Fox Milne, Milton Keynes, Buckinghamshire, Mk15 0sb Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Awcnf10296 Permit Version: 3 Effective Date: 25th July 2006 Issued Date: 25th July 2006 Revocation Date: 8th May 2008 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Great Ouse/River Ouzel Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A8NE (SE)	665	2	488630 241460
14	<p>Discharge Consents</p> <p>Operator: G. Anderson Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: Tongwell Farm & Cottages, Newport Pagnell, Bucks Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr1nfg0034 Permit Version: 1 Effective Date: 27th March 1963 Issued Date: 27th March 1963 Revocation Date: 20th February 1991 Discharge Type: Agricultural effluents Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A10SW (W)	705	2	487100 242000
15	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: Not Supplied Location: Sws At Willen Rd, Newport Pagnell Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Aw1nf1092 Permit Version: 1 Effective Date: 12th October 1973 Issued Date: 12th October 1973 Revocation Date: 26th June 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Ousel Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A14NW (NW)	758	2	487100 243000
16	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Cotton Valley Water Recycling Ctr Tongwell Street, Fox Milne, Milton Keynes, Buckinghamshire, Mk15 0sb Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Awcnf10275 Permit Version: 1 Effective Date: 18th May 1990 Issued Date: 19th May 1990 Revocation Date: 15th December 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lagoons/R Gt Ouse/R Ouzel Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Manually corrected supplier location</p>	A8SW (SE)	812	2	488410 241240



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	<p>Discharge Consents</p> <p>Operator: The Society Of The Sacred Mission Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Society Of The Sacred Mission Prior, Willen, Nr Milton Keynes Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr1nf1634 Permit Version: 1 Effective Date: 28th January 1985 Issued Date: 28th January 1985 Revocation Date: 19th February 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Ouzel Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A7SW (S)	840	2	487700 241200
18	<p>Discharge Consents</p> <p>Operator: The Hospice Of Our Lady & St. John Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Hospice Of Our Lady & St. John Manor Farm House, Willen, Bucks. Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr11fu33 Permit Version: 1 Effective Date: 4th September 1979 Issued Date: 4th September 1979 Revocation Date: 19th February 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Onto Land Environment: Receiving Water: Land Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	A7SW (S)	921	2	487800 241100
18	<p>Discharge Consents</p> <p>Operator: Mr. & Mrs. Allen Property Type: Domestic Property (Multiple) Location: Manor Farm Development, Willen, Milton Keynes., Mk15 9jz Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr1nf2630 Permit Version: 1 Effective Date: 23rd April 1987 Issued Date: 23rd April 1987 Revocation Date: 17th February 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Pond/Lake Environment: Receiving Water: Willen Lake Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m</p>	A7SW (S)	955	2	487830 241060
19	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: Not Supplied Location: Willen Village, Willen, Milton Keynes, Mk15 Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Aw1nf2045 Permit Version: 1 Effective Date: 9th May 1986 Issued Date: 9th May 1986 Revocation Date: 26th June 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Ouzel Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	988	2	488210 241010
20	<p>Integrated Pollution Controls</p> <p>Name: Wafer Technology Ltd Location: 32/34 Maryland Road, MILTON KEYNES, Buckinghamshire, MK15 8HJ Authority: Environment Agency, Anglian Region Permit Reference: BD8592 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (D) Inorganic Chemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A10SW (W)	925	2	486902 241884



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	<p>Integrated Pollution Controls</p> <p>Name: Wafer Technology Ltd Location: 32-34 Maryland Road, Tongwell, Milton Keynes, Buckinghamshire, MK15 8HJ Authority: Environment Agency, Anglian Region Permit Reference: Bm0320 Dated: 25th January 2002 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (D) Inorganic Chemical processes within the Chemical Industry Status: Revoked - Now IPPC Positional Accuracy: Automatically positioned to the address</p>	A10SW (W)	929	2	486897 241889
20	<p>Integrated Pollution Controls</p> <p>Name: Wafer Technology Ltd Location: Unit 34, Maryland Road, Tongwell, MILTON KEYNES, Buckinghamshire, MK15 8HJ Authority: Environment Agency, Anglian Region Permit Reference: AX8322 Dated: 8th April 1997 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (D) Inorganic Chemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A10SW (W)	929	2	486897 241889
20	<p>Integrated Pollution Controls</p> <p>Name: Wafer Technology Ltd Location: Unit 34, Maryland Road, Tongwell, MILTON KEYNES, Buckinghamshire, MK15 8HJ Authority: Environment Agency, Anglian Region Permit Reference: A00121 Dated: 16th November 1994 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 4.5 A (D) Inorganic Chemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address</p>	A10SW (W)	930	2	486897 241884
21	<p>Integrated Pollution Prevention And Control</p> <p>Name: Wafer Technology Ltd Location: Milton Keynes Semiconductor Manufacturer - Epr/Yp3435sd, 34, Maryland Road, Tongwell, MILTON KEYNES, Buckinghamshire, MK15 8HJ Authority: Environment Agency, Anglian Region Permit Reference: EP3430FB Original Permit Ref: Yp3435sd Effective Date: 10th May 2011 Status: Effective Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 4.2 Part A (1) c) 2017 Activity Description: manufacturing the use of, or the use of antimony, arsenic, beryllium, gallium, indium, lead, palladium, platinum, selenium, tellurium and thallium Primary Activity: N Activity Code: 4.1 A(1) (D) Activity Description: Organic Chemicals; Toluene Di-Isocyanate Etc Use >1 T/12 Months If Release To Air Primary Activity: Y</p>	A10SW (W)	929	2	486897 241889
21	<p>Integrated Pollution Prevention And Control</p> <p>Name: Wafer Technology Ltd Location: 34 Maryland Road, Tongwell, MILTON KEYNES, Buckinghamshire, MK15 8HJ Authority: Environment Agency, Anglian Region Permit Reference: Yp3435sd Original Permit Ref: Yp3435sd Effective Date: 21st September 2005 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (D) Activity Description: Organic Chemicals; Toluene Di-Isocyanate Etc Use >1 T/12 Months If Release To Air Primary Activity: Y</p>	A10SW (W)	929	2	486897 241889
22	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Df Crash Repairs Location: 22 Maryland Road, Tongwell, MILTON KEYNES, MK15 Authority: Milton Keynes Council, Environmental Health Department Permit Reference: Ppc59 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles Status: Permitted Positional Accuracy: Manually positioned to the address or location</p>	A10SW (W)	910	3	486938 241824



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Nearest Surface Water Feature	A16SW (NE)	0	-	488309 242399
23	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Miscellaneous - Unknown Note: Tongwell Brook Incident Date: 25th March 1996 Incident Reference: 3144 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m	A15SW (NW)	232	2	487500 242600
24	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Septic Tank/Cesspit Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Sewage - Septic Tank Effluent Note: Ditch Tributary River Ouzel Incident Date: 24th November 1993 Incident Reference: 2080 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A15NW (N)	304	2	487700 242900
25	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: Tongwell Brook Incident Date: 17th March 1992 Incident Reference: 1433 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m	A14SE (NW)	334	2	487400 242500
26	Pollution Incidents to Controlled Waters Property Type: Road Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Oils - Diesel (Including Agricultural) Note: Tongwell Bk Incident Date: 9th April 1998 Incident Reference: 4101 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A15NW (N)	338	2	487600 242900
27	Pollution Incidents to Controlled Waters Property Type: Engineering Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Oils - Vegetable Oil Note: River Ouzel Incident Date: 19th January 1997 Incident Reference: 3493 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Mechanical Failure Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A16NE (NE)	394	2	488600 242895



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Engineering Location: NEWPORT PAGNELL Authority: Environment Agency, Anglian Region Pollutant: Oils - Vegetable Oil Note: River Ouzel Incident Date: 19th January 1997 Incident Reference: 3493 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Mechanical Failure Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A16NE (NE)	398	2	488600 242900
28	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: Not Supplied Incident Date: 30th October 1992 Incident Reference: 1711 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</p>	A8NW (SE)	538	2	488300 241500
29	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Water Company Sewage: Surface Water Outfall Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Miscellaneous - Urban Runoff Note: Tongwell Brook Incident Date: 22nd December 1995 Incident Reference: 3019 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A10NW (W)	660	2	487100 242300
30	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Water Company Sewage: Other Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Tongwell Brook Incident Date: 1st July 1997 Incident Reference: 3781 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A14SW (W)	743	2	487000 242395
30	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: Tongwell Brook Incident Date: 27th November 1992 Incident Reference: 1725 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A14SW (W)	743	2	487000 242400
31	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: Tongwell Brook Incident Date: 9th October 1992 Incident Reference: 1684 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A10NW (W)	755	2	487005 242295



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: Tongwell Brook Incident Date: 24th March 1992 Incident Reference: 1444 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A10NW (W)	759	2	487000 242300
31	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: Tongwell Brook Incident Date: 16th September 1992 Incident Reference: 1664 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A10NW (W)	760	2	487000 242295
32	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Road Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Chemicals - Acid Note: Ouzel Incident Date: 18th September 1998 Incident Reference: 4292 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A8SW (SE)	769	2	488500 241300
33	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Miscellaneous - Unknown Note: Tongwell Brook Incident Date: 3rd December 1998 Incident Reference: 4381 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A10NW (W)	772	2	487000 242200
34	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: Tongwell Brook Incident Date: 6th July 1992 Incident Reference: 1576 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	A10NW (W)	871	2	486900 242200
34	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Bedford District, MILTON KEYNES Authority: Environment Agency, Anglian Region Pollutant: Miscellaneous - Unknown Note: Tongwell Brook Incident Date: 8th February 1999 Incident Reference: 4442 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A10NW (W)	872	2	486900 242195



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: River Ouzel Incident Date: 3rd February 1992 Incident Reference: 1385 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (SE)	947	2	488400 241100
36	Pollution Incidents to Controlled Waters Property Type: Road Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Oils - Other Oil Note: River Ouzel Incident Date: 8th March 1996 Incident Reference: 3110 Catchment Area: Not Given Receiving Water: Potential River Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A4NW (S)	997	2	488200 241000
37	Prosecutions Relating to Authorised Processes Location: Michigan Drive, Tongwell, Milton Keynes, Mk15 8jd Prosecution Text: Failure to comply with packaging waste regulations Prosecution Act: Pro97 Hearing Date: 27th October 2006 Verdict: Guilty Fine: 12000 Costs: 1257 Positional Accuracy: Manually positioned to the road within the address or location	A10SE (W)	531	2	487301 241938
	River Quality Name: Ouzel GQA Grade: River Quality B Reach: Confl. Broughton Brk Birchmoor Farm Estimated Distance (km): 3.2 Flow Rate: Flow less than 2.5 cumecs Flow Type: River Year: 2000	A12NW (NE)	0	2	488347 242346
	River Quality Name: Ouzel GQA Grade: River Quality C Reach: A421 Road Bridge Confl. Broughton Estimated Distance (km): 5 Flow Rate: Flow less than 2.5 cumecs Flow Type: River Year: 2000	A12SE (SE)	421	2	488602 241734
	River Quality Name: Broughton Bk. GQA Grade: River Quality C Reach: M1 Ouzel Estimated Distance (km): 5 Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000	A12SE (SE)	444	2	488635 241734



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	River Quality Biology Sampling Points Name: Ouse Reach: Tickford Abbey To Sherrington Bridge Estimated Distance: 1.00 Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: River Quality Biology GQA Grade B - Good Year: 1995 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2000 GQA Grade: River Quality Biology GQA Grade A - Very Good Year: 2002 GQA Grade: River Quality Biology GQA Grade A - Very Good Year: 2003 GQA Grade: River Quality Biology GQA Grade A - Very Good Year: 2004 GQA Grade: River Quality Biology GQA Grade A - Very 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 A - Very Good Year: 2009 GQA Grade: River Quality Biology GQA Grade A - Very Good	A8NE (SE)	528	2	488600 241600
39	Substantiated Pollution Incident Register Authority: Environment Agency - Anglian Region, Central Area Incident Date: 22nd May 2007 Incident Reference: 496575 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: Inert : Other	A15NW (NW)	285	2	487498 242745
40	Substantiated Pollution Incident Register Authority: Environment Agency - Anglian Region, Central Area Incident Date: 29th July 2014 Incident Reference: 1262426 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: Microbiological	A10NW (W)	769	2	486991 242296
41	Substantiated Pollution Incident Register Authority: Environment Agency - Anglian Region, Central Area Incident Date: 27th July 2003 Incident Reference: 177061 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: General Biodegradable Materials and WastesAlgae	A10NW (W)	828	2	486925 242332
42	Water Abstractions Operator: J G Morgan Licence Number: 6/33/10/*G/0007 Permit Version: 100 Location: Well At Caldecote Farm Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Great Oolite; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st August 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11NE (N)	0	2	487900 242300



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	<p>Water Abstractions</p> <p>Operator: N Richards Esq Licence Number: 6/33/10/*s/004 Permit Version: Not Supplied Location: River Ouzel South Of Caldecote Mill, CALDECOTE Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 2 Yearly Rate (m3): 409090 Details: Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A12NE (E)	89	2	488700 242300
44	<p>Water Abstractions</p> <p>Operator: The Council Of The Borough Of Licence Number: 6/33/10/*g/005 Permit Version: Not Supplied Location: Well South Of Caldecote Mill Bridge, CALDECOTE Authority: Environment Agency, Anglian Region Abstraction: Private Water Supply (Amenity Etc) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 2 Yearly Rate (m3): 273000 Details: Great Oolite; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A16SW (NE)	149	2	488500 242500
45	<p>Water Abstractions</p> <p>Operator: Specialist Groundwork Services Construction Ltd Licence Number: 6/33/10/*G/0010 Permit Version: 2 Location: Gravel Pit At Newport Pagnell Authority: Environment Agency, Anglian Region Abstraction: Extractive: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A11NW (W)	195	2	487600 242100
45	<p>Water Abstractions</p> <p>Operator: Specialist Groundwork Services Construction Ltd Licence Number: 6/33/10/*G/0010 Permit Version: 1 Location: Gravel Pit At Newport Pagnell Authority: Environment Agency, Anglian Region Abstraction: Extractive: Mineral Washing 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: 19th May 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A11NW (W)	195	2	487600 242100



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	<p>Water Abstractions</p> <p>Operator: R F J Carington Licence Number: 6/33/10/*S/0009 Permit Version: 100 Location: River Ouzel At Moulsoe Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Temporary Authorised Start: 01 April Authorised End: 30 June Permit Start Date: 1st December 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A12SE (SE)	447	2	488600 241700
	<p>Water Abstractions</p> <p>Operator: Milton Keynes Development Co Licence Number: 6/33/08/*i/041 Permit Version: Not Supplied Location: River Ouzel (Willen Lake) Authority: Environment Agency, Anglian Region Abstraction: Impounding Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied 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</p>	A4NW (S)	1295	2	488200 240700
	<p>Water Abstractions</p> <p>Operator: Peter Macbeth Licence Number: 6/33/08/*g/029 Permit Version: Not Supplied Location: Well At Cotton Valley Farm Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 2270 Details: Miscellaneous Jurassic; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A4NW (S)	1329	2	488400 240700
47	<p>Water Industry Act Referrals</p> <p>Name: Bong Uk Limited Location: The Envelope Building, Michigan Drive, TONGWELL, Milton Keynes, MK15 8HQ Authority: Environment Agency, Anglian Region Permit Reference: SCE0117C2 Dated: 24th September 2013 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations Status: Application has been authorised and any conditions apply to the operator Positional Accuracy: Automatically positioned to the address</p>	A11SW (SW)	305	2	487565 241911
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial: <90% Patchiness: Superficial Thickness: <3m Superficial Recharge: No Data</p>	A11SE (S)	0	4	487857 242000



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability</p> <p>Combined Vulnerability: Medium</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: 40-70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: 3-10m</p> <p>Superficial Recharge: High</p>	A11NE (NW)	0	4	487857 242086
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: 3-10m</p> <p>Superficial Recharge: No Data</p>	A11NE (E)	0	4	488000 242037
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability</p> <p>Combined Vulnerability: High</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: >70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: 3-10m</p> <p>Superficial Recharge: No Data</p>	A11NE (E)	0	4	488000 242086
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability</p> <p>Combined Vulnerability: Medium</p> <p>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer</p> <p>Pollutant Speed: Intermediate</p> <p>Bedrock Flow: Well Connected Fractures</p> <p>Dilution: <300 mm/year</p> <p>Baseflow Index: 40-70%</p> <p>Superficial Patchiness: >90%</p> <p>Superficial Thickness: 3-10m</p> <p>Superficial Recharge: High</p>	A11NE (S)	0	4	487856 242078



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	A11SE (SE)	0	4	488000 242000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	A11SE (SE)	0	4	488039 242000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	A11SE (S)	0	4	487857 242000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	A11NE (NW)	0	4	487857 242086
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A11NE (NW)	0	4	487857 242086
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A11NE (S)	0	4	487856 242078
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A11NE (NW)	0	4	487857 242086
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A16SW (NE)	0	2	488360 242368
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A16SW (NE)	0	2	488342 242441
	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	A16SW (NE)	0	2	488341 242439
	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	A12NW (E)	0	2	488381 242289
	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	A16SW (NE)	0	2	488323 242577
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A16SW (NE)	0	2	488361 242369



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A14SE (NW)	44	2	487461 242566
	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	A12NW (E)	0	2	488401 242259
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 2	A15SE (NE)	0	5	487996 242360
49	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 18.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A11NE (NE)	0	5	487994 242305
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A15SE (NE)	0	5	488019 242402
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A11NE (NE)	0	5	488011 242301
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A15SE (NE)	0	5	488035 242376
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A11NE (NE)	0	5	488059 242350
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A11NE (NE)	0	5	488091 242306



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 165.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A11NE (NE)	0	5	488110 242292
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A16SW (NE)	0	5	488247 242650
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 282.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A16SW (NE)	0	5	488246 242657
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 134.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A16SW (NE)	0	5	488290 242526
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 100.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A12NW (NE)	0	5	488248 242319
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A16SW (NE)	0	5	488293 242523
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 128.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A16SW (NE)	0	5	488309 242399
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 122.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A12NW (E)	0	5	488384 242252
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 240.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A12NW (E)	1	5	488457 242153



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 375.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ouzel Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A16SW (NE)	7	5	488374 242367
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ouzel Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A12NW (NE)	7	5	488399 242340
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 185.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ouzel Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A12NW (NE)	7	5	488438 242345
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 281.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Lovat Catchment Name: Cam Ely Ouse and South Level Primacy: 2	A12NW (NE)	10	5	488399 242340
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 357.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ouzel Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A12NE (E)	13	5	488618 242326
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Lovat Catchment Name: Cam Ely Ouse and South Level Primacy: 2	A16SW (NE)	41	5	488408 242579
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Lovat Catchment Name: Cam Ely Ouse and South Level Primacy: 2	A16SW (NE)	41	5	488408 242579
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Lovat Catchment Name: Cam Ely Ouse and South Level Primacy: 2	A16SW (NE)	61	5	488427 242569
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Lovat Catchment Name: Cam Ely Ouse and South Level Primacy: 2	A16SW (NE)	61	5	488427 242569



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Lovat Catchment Name: Cam Ely Ouse and South Level Primacy: 2	A16SW (NE)	62	5	488427 242591
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 503.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A12NW (E)	74	5	488443 242056
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Lovat Catchment Name: Cam Ely Ouse and South Level Primacy: 2	A16SW (NE)	84	5	488449 242595
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Lovat Catchment Name: Cam Ely Ouse and South Level Primacy: 2	A16SW (NE)	121	5	488453 242663
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ouzel Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A16SW (NE)	121	5	488453 242663
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Lovat Catchment Name: Cam Ely Ouse and South Level Primacy: 2	A16SW (NE)	124	5	488470 242648
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Lovat Catchment Name: Cam Ely Ouse and South Level Primacy: 2	A16SW (NE)	161	5	488497 242673
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Lovat Catchment Name: Cam Ely Ouse and South Level Primacy: 2	A16SW (NE)	161	5	488497 242673
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ouzel Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A16NW (NE)	167	5	488491 242690



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A16NW (NE)	182	5	488494 242708
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A16NW (NE)	182	5	488493 242709
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A16NE (NE)	213	5	488516 242729
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A16NE (NE)	218	5	488521 242732
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 307.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A16SE (NE)	228	5	488629 242575
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A16NE (NE)	229	5	488562 242698
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ouzel Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A16NE (NE)	231	5	488541 242730
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A16NE (NE)	232	5	488563 242702
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ouzel Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A16NE (NE)	260	5	488578 242730



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 275.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tongwell Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SE (NW)	275	5	487476 242684
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tongwell Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SE (NW)	276	5	487466 242665
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 752.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tongwell Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A14SE (NW)	279	5	487450 242641
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 923.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ouzel Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A16NE (NE)	293	5	488609 242743
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A16SE (NE)	329	5	488790 242592
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A16SE (NE)	330	5	488794 242590
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 594.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ouzel Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A12SE (E)	350	5	488630 241826
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tongwell Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A15NW (N)	375	5	487587 242934
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.6 Watercourse Level: Underground Permanent: True Watercourse Name: Tongwell Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A15NW (N)	403	5	487622 242981



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 351.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tongwell Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A15NW (N)	407	5	487634 242989
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 275.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ouzel Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A8NE (SE)	473	5	488576 241650
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1516.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Broughton Junction Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A8NE (SE)	475	5	488585 241655
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 604.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ouzel Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A8NE (SE)	648	5	488519 241422
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 432.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A8NE (SE)	649	5	488573 241450
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A6NE (SW)	772	5	487247 241552
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 177.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A7SW (S)	773	5	487644 241282
107	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 11.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tongwell Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A10NW (W)	777	5	486994 242200
108	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 70.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tongwell Lake Catchment Name: Cam Ely Ouse and South Level Primacy: 1	A10NW (W)	787	5	486985 242193



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
109	<p>OS Water Network Lines</p> <p>Watercourse Form: Lake Watercourse Length: 502.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1</p>	A10NW (W)	815	5	486940 242303
110	<p>OS Water Network Lines</p> <p>Watercourse Form: Lake Watercourse Length: 110.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tongwell Lake Catchment Name: Cam Ely Ouse and South Level Primacy: 1</p>	A10NW (W)	851	5	486916 242121
111	<p>OS Water Network Lines</p> <p>Watercourse Form: Lake Watercourse Length: 55.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Springhill Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1</p>	A10NW (W)	868	5	486915 242107
112	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 1049.6 Watercourse Level: Underground Permanent: True Watercourse Name: Springhill Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1</p>	A10NW (W)	907	5	486884 242061
113	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 126.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1</p>	A7SW (S)	929	5	487677 241113
114	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 524.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1</p>	A7SW (S)	987	5	487589 241076
115	<p>OS Water Network Lines</p> <p>Watercourse Form: Inland river Watercourse Length: 85.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ouzel Catchment Name: Cam Ely Ouse and South Level Primacy: 1</p>	A8SW (S)	992	5	488223 241008



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
116	<p>BGS Recorded Landfill Sites</p> <p>Site Name: Willen Rd Tip Location: NEWPORT PAGNELL, Bucks Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate</p>	A15NE (N)	109	-	487903 242749
117	<p>Historical Landfill Sites</p> <p>Licence Holder: Not Supplied Location: Caldecote Lane, Newport Pagnell Name: Borrow Pit Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD34631 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: Not Supplied</p>	A16NW (NE)	39	2	488185 242747
118	<p>Historical Landfill Sites</p> <p>Licence Holder: Not Supplied Location: Newport Pagnell Name: Pre-76 Newport Pagnell Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD00850 First Input Date: Not Supplied Last Input Date: 31st March 1972 Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0400/0307 BGS Ref: 192 Other Ref: MK4(PRE 1976)</p>	A15NE (N)	73	2	487935 242720
119	<p>Historical Landfill Sites</p> <p>Licence Holder: Milton Keynes Development Corporation Location: Milton Keynes Name: Willen Tip Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD01325 First Input Date: 1st January 1973 Last Input Date: 30th April 1980 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0400/0305 BGS Ref: Not Supplied Other Ref: WDA/116</p>	A7SW (S)	865	2	487626 241191
120	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 403829 Location: Willen Road, Newport Pagnell, Buckinghamshire, MK16 0JJ Operator Name: Smith Construction Group Limited Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Central Area Site Category: Use of waste in a deposit for recovery op Licence Status: Issued Issued: 26th July 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</p>	A11NE (NE)	0	2	487982 242140



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
121	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 403124 Location: Willen Road Quarry (Site 2), Willen Road, Newport Pagnell, Milton Keynes, Buckinghamshire, MK16 0JJ Operator Name: Smith Construction Group Limited Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Central Area Site Category: Management of inert or extractive waste at mine Licence Status: Issued Issued: 8th August 2016 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</p>	A11NE (E)	0	2	488074 242158
122	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 402703 Location: Willen Road Quarry, Willen Road, Newport Pagnell, Buckinghamshire, MK16 0JJ Operator Name: Smith Construction Group Limited Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Central Area Site Category: Use of waste for reclamation etc <50,000 tps Licence Status: Surrendered Issued: 23rd September 2015 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 17th July 2017 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A11NW (NW)	93	2	487678 242245
122	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 103420 Location: Willen Road Quarry, Willen Road, Newport Pagnell, Buckinghamshire, MK16 0QE Operator Name: Specialist Groundwork Services (Construction) Ltd Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Central Area Site Category: Treatment of waste to produce soil <75,000 tpy Licence Status: Issued Issued: 13th January 2012 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</p>	A11NW (NW)	93	2	487678 242245
123	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 75215 Location: Newberry House, Michigan Drive, Tongwell, Milton Keynes, Buckinghamshire, MK15 8HQ Operator Name: Milton Keynes Paint & Equipment Ltd Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Central Area Site Category: Special Waste Transfer Stations Licence Status: Surrendered Issued: 24th April 2007 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 29th July 2009 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A10SE (W)	514	2	487296 242004
	<p>Local Authority Landfill Coverage</p> <p>Name: Milton Keynes Unitary Council - Has supplied landfill data</p>		0	6	487857 242086



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
124	<p>Local Authority Recorded Landfill Sites</p> <p>Location: Borrow Pit, Caldecote Lane, Newport Pagnell Reference: Not Supplied Authority: Milton Keynes Council, Planning and Transport Department Last Reported Status: Closed Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate</p>	A16NW (NE)	36	6	488184 242745
125	<p>Potentially Infilled Land (Water)</p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958</p>	A11NE (S)	5	-	487859 242020
126	<p>Potentially Infilled Land (Water)</p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958</p>	A11NW (N)	6	-	487774 242304
127	<p>Potentially Infilled Land (Water)</p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958</p>	A15SW (N)	20	-	487716 242501
128	<p>Potentially Infilled Land (Water)</p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958</p>	A15SW (NW)	48	-	487695 242455
129	<p>Potentially Infilled Land (Water)</p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958</p>	A11NW (NW)	68	-	487706 242320
130	<p>Potentially Infilled Land (Water)</p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958</p>	A14SE (NW)	259	-	487450 242627
131	<p>Potentially Infilled Land (Water)</p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958</p>	A14SE (NW)	323	-	487406 242553
132	<p>Potentially Infilled Land (Water)</p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958</p>	A14SE (NW)	380	-	487368 242396
133	<p>Potentially Infilled Land (Water)</p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958</p>	A10NE (W)	604	-	487177 242144
134	<p>Potentially Infilled Land (Water)</p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958</p>	A10SE (W)	620	-	487229 241878
135	<p>Potentially Infilled Land (Water)</p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958</p>	A10SE (SW)	650	-	487236 241793
136	<p>Potentially Infilled Land (Water)</p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958</p>	A10SW (W)	822	-	486992 241947
137	<p>Potentially Infilled Land (Water)</p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958</p>	A9NE (W)	984	-	486797 242112
138	<p>Potentially Infilled Land (Water)</p> <p>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958</p>	A6SE (SW)	990	-	487384 241155



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
139	<p>Registered Landfill Sites</p> <p>Licence Holder: Milton Keynes Development Corporation Licence Reference: 116 Site Location: Willen Tip (Off B488), Willen, Milton Keynes, Buckinghamshire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: Wavendon Tower, MILTON KEYNES, Buckinghamshire, MK17 8LX Authority: Environment Agency - Anglian Region, Central Area Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 9th June 1977 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Good Authorised Waste: Constr'N/Demol. Inert/Non-Haz/Non-Tox Excavated Natural Materials \$ Prohibited Waste: Waste N.O.S</p>	A7SW (S)	989	2	487585 241075
140	<p>Registered Waste Transfer Sites</p> <p>Licence Holder: Bucks C.C. Licence Reference: 315 Site Location: Willen Road, Newport Pagnell, Buckinghamshire Operator Location: County Hall, AYLESBURY, Buckinghamshire, HP20 1UY Authority: Environment Agency - Anglian Region, Central Area Site Category: Civic Amenity Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st April 1978 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Quality: Good Authorised Waste: Civic Amenity/Refuse Amenity Waste</p>	A15NE (N)	101	2	487896 242739



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Kellaways Formation And Oxford Clay Formation (Undifferentiated)	A11NE (NW)	0	1	487857 242086
	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	A11NE (NW)	0	1	487857 242086
	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 (S)	0	1	487856 242078
	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	A11SE (S)	63	1	487869 241960
	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: 30 - 45 mg/kg	A12NE (E)	86	1	488546 242100
	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	A11SW (SW)	107	1	487745 242000
	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	A16SE (NE)	200	1	488694 242552



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A11SW (W)	276	1	487559 241981
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A16NE (NE)	315	1	488622 242763
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic <15 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A14SW (NW)	606	1	487112 242597
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A14SW (NW)	794	1	486931 242654
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A14SW (W)	861	1	486887 242355
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic <15 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A13SE (W)	942	1	486788 242522



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8SW (SE)	971	1	488370 241025
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A9NE (W)	971	1	486800 242182
	<p>BGS Estimated Soil Chemistry</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium <1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: <100 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A13SE (NW)	995	1	486734 242568
141	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Willen Road Quarry</p> <p>Location: Newport Pagnell, Milton Keynes, Buckinghamshire</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Reference: 227851</p> <p>Type: Opencast</p> <p>Status: Active</p> <p>Operator: Specialist Groundwork Services Construction Ltd</p> <p>Operator Location: Not Supplied</p> <p>Periodic Type: Quaternary</p> <p>Geology: Felmersham Member</p> <p>Commodity: Sand and Gravel</p> <p>Positional Accuracy: Located by supplier to within 10m</p>	A11NE (NE)	0	1	488000 242165
142	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Willen Road Quarry</p> <p>Location: Newport Pagnell, Milton Keynes, Buckinghamshire</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Reference: 248651</p> <p>Type: Recycled</p> <p>Status: Dormant</p> <p>Operator: Specialist Groundwork Services Construction Ltd</p> <p>Operator Location: Not Supplied</p> <p>Periodic Type: Not Available</p> <p>Geology: Aggregates For Recycling</p> <p>Commodity: Secondary</p> <p>Positional Accuracy: Located by supplier to within 10m</p>	A11NW (NW)	250	1	487520 242240
142	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Willen Road Quarry</p> <p>Location: Newport Pagnell, Milton Keynes, Buckinghamshire</p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Reference: 10939</p> <p>Type: Opencast</p> <p>Status: Dormant</p> <p>Operator: Specialist Groundwork Services Construction Ltd</p> <p>Operator Location: Not Supplied</p> <p>Periodic Type: Quaternary</p> <p>Geology: Felmersham Member</p> <p>Commodity: Sand and Gravel</p> <p>Positional Accuracy: Located by supplier to within 10m</p>	A11NW (NW)	250	1	487520 242240
	<p>BGS Measured Urban Soil Chemistry</p> <p>No data available</p>				



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A16SW (NE)	0	1	488346 242358
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (NW)	0	1	487857 242086
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	83	1	488561 242444
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A16SW (NE)	0	1	488346 242358
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (NW)	0	1	487857 242086
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11SE (S)	74	1	487866 241947
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	83	1	488561 242444
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11NW (SW)	110	1	487726 242020
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (NW)	0	1	487857 242086
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (NW)	0	1	487857 242086
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A16SW (NE)	0	1	488346 242358
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (NW)	0	1	487857 242086
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	83	1	488561 242444
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (SW)	124	1	487771 241930
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (NW)	0	1	487857 242086
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A16SW (NE)	0	1	488208 242487
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (S)	0	1	487859 242067
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12NW (NE)	0	1	488363 242341



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Potential for Shrinking or Swelling Clay Ground Stability Hazards</p> <p>Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service</p>	A16SW (NE)	0	1	488346 242358
	<p>Potential for Shrinking or Swelling Clay Ground Stability Hazards</p> <p>Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service</p>	A11NE (NE)	0	1	487923 242147
	<p>Potential for Shrinking or Swelling Clay Ground Stability Hazards</p> <p>Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service</p>	A11SW (SW)	63	1	487771 241930
	<p>Potential for Shrinking or Swelling Clay Ground Stability Hazards</p> <p>Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service</p>	A16SE (NE)	83	1	488561 242444
	<p>Radon Potential - Radon Affected Areas</p> <p>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</p>	A11NE (NW)	0	1	487857 242086
	<p>Radon Potential - Radon Protection Measures</p> <p>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service</p>	A11NE (NW)	0	1	487857 242086



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
143	<p>Contemporary Trade Directory Entries</p> <p>Name: Weatherall Volks Autos Ltd Location: Willen Road, Newport Pagnell, Buckinghamshire, MK16 0JJ Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11NE (N)	0	-	487852 242277
143	<p>Contemporary Trade Directory Entries</p> <p>Name: J S Motoring Ltd Location: Willen Road, Newport Pagnell, Buckinghamshire, MK16 0JJ Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11NE (N)	0	-	487852 242277
143	<p>Contemporary Trade Directory Entries</p> <p>Name: S & R Auto Repairs Location: Willen Road, Newport Pagnell, Buckinghamshire, MK16 0JJ Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11NE (N)	0	-	487852 242277
144	<p>Contemporary Trade Directory Entries</p> <p>Name: Millennium Mats Location: 3d, Michigan Drive, Tongwell, Milton Keynes, MK15 8HQ Classification: Floorcoverings - Manufacturers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A11SW (SW)	281	-	487640 241846
144	<p>Contemporary Trade Directory Entries</p> <p>Name: Millenium Mats Location: 3d, Michigan Drive, Tongwell, Milton Keynes, MK15 8HQ Classification: Floorcoverings - Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SW (SW)	281	-	487640 241846
145	<p>Contemporary Trade Directory Entries</p> <p>Name: Glanbia Consumer Meats Ltd Location: Michigan Drive, Tongwell, Milton Keynes, MK15 8HQ Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A11SW (SW)	305	-	487565 241911
146	<p>Contemporary Trade Directory Entries</p> <p>Name: Charles Tyrwhitt Shirts Location: Tongwell, Milton Keynes, Buckinghamshire, MK15 8HQ Classification: Shirt Makers Status: Active Positional Accuracy: Manually positioned within the geographical locality</p>	A10NE (W)	386	-	487419 242039
147	<p>Contemporary Trade Directory Entries</p> <p>Name: Woodland International Transport Location: Michigan Drive, Tongwell, Milton Keynes, Buckinghamshire, MK15 8HQ Classification: Distribution Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A10SE (W)	459	-	487356 241994
148	<p>Contemporary Trade Directory Entries</p> <p>Name: Solar Partner Location: 19, London Road, Newport Pagnell, Buckinghamshire, MK16 0HA Classification: Electricity Generating & Distributing Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A16NE (NE)	473	-	488776 242816
149	<p>Contemporary Trade Directory Entries</p> <p>Name: A L F Craft Location: 17, London Road, Newport Pagnell, Buckinghamshire, MK16 0HA Classification: Car Painters & Sprayers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A16NE (NE)	504	-	488685 242969
150	<p>Contemporary Trade Directory Entries</p> <p>Name: Fresh Move Refrigerated Transport Location: 1, Michigan Drive, Tongwell, Milton Keynes, MK15 8HQ Classification: Refrigeration Equipment - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A10NE (W)	537	-	487234 242211
150	<p>Contemporary Trade Directory Entries</p> <p>Name: Zeroshift Location: 7 Vermont Pl, Tongwell, Milton Keynes, Buckinghamshire, MK15 8JA Classification: Gearboxes Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A10NE (W)	558	-	487211 242246



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
150	<p>Contemporary Trade Directory Entries</p> <p>Name: Puffin Solutions Ltd Location: 6-7, Vermont Place, Tongwell, Milton Keynes, MK15 8JA Classification: Computer Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A10NE (W)	565	-	487204 242253
151	<p>Contemporary Trade Directory Entries</p> <p>Name: L K Q Coatings Location: Michigan Drive, Tongwell, Milton Keynes, MK15 8HQ Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A10SE (W)	540	-	487275 241981
151	<p>Contemporary Trade Directory Entries</p> <p>Name: L K Q Coatings Ltd Location: Michigan Drive, Tongwell, Milton Keynes, MK15 8HQ Classification: Distribution Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A10SE (W)	540	-	487275 241981
152	<p>Contemporary Trade Directory Entries</p> <p>Name: Pure Group Location: 3, Michigan Drive, Tongwell, Milton Keynes, MK15 8HQ Classification: Air Conditioning & Refrigeration Contractors Status: Active Positional Accuracy: Automatically positioned to the address</p>	A10NE (W)	565	-	487232 242054
152	<p>Contemporary Trade Directory Entries</p> <p>Name: Pure Group Location: Technology House, Michigan Drive, Tongwell, Milton Keynes, MK15 8HQ Classification: Air Conditioning Equipment & Systems Status: Active Positional Accuracy: Automatically positioned to the address</p>	A10NE (W)	565	-	487232 242054
152	<p>Contemporary Trade Directory Entries</p> <p>Name: Coplan Ltd Location: 3, Michigan Drive, Tongwell, Milton Keynes, MK15 8HQ Classification: Garage Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A10NE (W)	565	-	487232 242054
153	<p>Contemporary Trade Directory Entries</p> <p>Name: Delladene X-Ray Ltd Location: 5, Vermont Place, Tongwell, Milton Keynes, MK15 8JA Classification: X-Ray Services Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address</p>	A10NE (W)	586	-	487185 242217
153	<p>Contemporary Trade Directory Entries</p> <p>Name: Rapide Distribution Location: 12, Vermont Place, Tongwell, Milton Keynes, MK15 8JA Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A10NE (W)	594	-	487179 242194
153	<p>Contemporary Trade Directory Entries</p> <p>Name: 51 Parcel Location: 12, Vermont Place, Tongwell, Milton Keynes, MK15 8JA Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A10NE (W)	596	-	487176 242195
153	<p>Contemporary Trade Directory Entries</p> <p>Name: Precisa Ltd Location: 13, Vermont Place, Tongwell, Milton Keynes, MK15 8JA Classification: Scientific Apparatus & Instruments - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A10NE (W)	603	-	487170 242190
153	<p>Contemporary Trade Directory Entries</p> <p>Name: Silvernet Ltd Location: 2, Vermont Place, Tongwell, Milton Keynes, MK15 8JA Classification: Wire Products - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A10NE (W)	614	-	487158 242203
153	<p>Contemporary Trade Directory Entries</p> <p>Name: Track Warning Location: unit 2 Vermont Pl, Tongwell, Milton Keynes, Buckinghamshire, MK15 8JA Classification: Railway Equipment Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A10NW (W)	622	-	487152 242184



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
154	<p>Contemporary Trade Directory Entries</p> <p>Name: Dainippon Screen (Uk) Ltd Location: Michigan Drive, Tongwell, Milton Keynes, MK15 8HT Classification: Printing Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A10SE (W)	594	-	487264 241862
155	<p>Contemporary Trade Directory Entries</p> <p>Name: Pest Control M K Location: 19, Bates Close, Willen, Milton Keynes, MK15 9HZ Classification: Pest & Vermin Control Status: Active Positional Accuracy: Automatically positioned to the address</p>	A7NE (S)	630	-	487921 241374
155	<p>Contemporary Trade Directory Entries</p> <p>Name: Bucks Pest Control Location: 19, Bates Close, Willen, Milton Keynes, MK15 9HZ Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7NE (S)	634	-	487910 241371
156	<p>Contemporary Trade Directory Entries</p> <p>Name: Betta-Clean Mk Location: 37, Syon Gardens, Newport Pagnell, Buckinghamshire, MK16 0JU Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14NW (NW)	641	-	487123 242782
156	<p>Contemporary Trade Directory Entries</p> <p>Name: Betta-Clean Location: 37, Syon Gardens, Newport Pagnell, Buckinghamshire, MK16 0JU Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address</p>	A14NW (NW)	641	-	487123 242782
157	<p>Contemporary Trade Directory Entries</p> <p>Name: Dawson Group Plc Location: Delaware Drive, Tongwell, Milton Keynes, MK15 8JH Classification: Commercial Vehicle Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A10SW (W)	686	-	487145 241912
157	<p>Contemporary Trade Directory Entries</p> <p>Name: Volvo Truck & Bus Location: Delaware Drive, Tongwell, Milton Keynes, MK15 8HG Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Active Positional Accuracy: Automatically positioned to the address</p>	A10SW (W)	686	-	487145 241912
158	<p>Contemporary Trade Directory Entries</p> <p>Name: K D M C Services Ltd Location: 16, Christian Court, Willen, Milton Keynes, MK15 9HX Classification: Electrical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A6NE (SW)	688	-	487464 241460
159	<p>Contemporary Trade Directory Entries</p> <p>Name: First Line Contracts Ltd Location: 5, Delaware Drive, Tongwell, Milton Keynes, MK15 8HG Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A10NW (W)	738	-	487059 242041
159	<p>Contemporary Trade Directory Entries</p> <p>Name: Hays Distribution Location: 5, Delaware Drive, Tongwell, Milton Keynes, MK15 8HG Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A10NW (W)	738	-	487059 242041
160	<p>Contemporary Trade Directory Entries</p> <p>Name: Ovensclean North Milton Keynes Location: 7, Chillery Leys, Willen, Milton Keynes, MK15 9LZ Classification: Oven cleaning Status: Active Positional Accuracy: Automatically positioned to the address</p>	A8SW (S)	752	-	488202 241248
160	<p>Contemporary Trade Directory Entries</p> <p>Name: Ovensclean Milton Keynes North And East Location: 7, Chillery Leys, Willen, Milton Keynes, MK15 9LZ Classification: Oven cleaning Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A8SW (S)	752	-	488202 241248



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
161	<p>Contemporary Trade Directory Entries</p> <p>Name: Cole Air Conditioning Location: 33, Sunridge Close, Newport Pagnell, Buckinghamshire, MK16 0LT Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14NW (NW)	759	-	487102 243006
162	<p>Contemporary Trade Directory Entries</p> <p>Name: Greenproclean Location: 10, Scriven Court, Willen, Milton Keynes, MK15 9NA Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address</p>	A7SE (S)	777	-	488031 241213
163	<p>Contemporary Trade Directory Entries</p> <p>Name: Coca Cola Enterprises Ltd Location: 3-7, Delaware Drive, Tongwell, Milton Keynes, MK15 8HD Classification: Soft Drinks - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A10SW (W)	792	-	487054 241852
164	<p>Contemporary Trade Directory Entries</p> <p>Name: Service Graphics Location: 10, Maryland Road, Tongwell, Milton Keynes, MK15 8HF Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A10SW (W)	879	-	486988 241785
164	<p>Contemporary Trade Directory Entries</p> <p>Name: Screwfix Location: Tongwell Industrial Estate, Maryland Road, Tongwell, Milton Keynes, Buckinghamshire, MK15 8HF Classification: Builders' Merchants Status: Active Positional Accuracy: Manually positioned to the address or location</p>	A10SW (W)	880	-	486987 241783
164	<p>Contemporary Trade Directory Entries</p> <p>Name: Vision Integrated Location: 8, Maryland Road, Tongwell, Milton Keynes, MK15 8HF Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A10SW (W)	892	-	486978 241773
164	<p>Contemporary Trade Directory Entries</p> <p>Name: Graphic Techniques (Milton Keynes) Ltd Location: 4, Maryland Road, Tongwell, Milton Keynes, MK15 8HF Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A10SW (W)	923	-	486953 241752
164	<p>Contemporary Trade Directory Entries</p> <p>Name: Bibby Distribution Location: Maryland Road, Tongwell, Milton Keynes, Buckinghamshire, MK15 8HF Classification: Road Haulage Services Status: Active Positional Accuracy: Manually positioned to the address or location</p>	A10SW (W)	942	-	486937 241742
165	<p>Contemporary Trade Directory Entries</p> <p>Name: D C Hall Ltd Location: 26, Maryland Road, Tongwell, Milton Keynes, MK15 8HF Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A10SW (W)	897	-	486948 241834
166	<p>Contemporary Trade Directory Entries</p> <p>Name: All Steamed Up Location: 16, Burgess Gardens, Newport Pagnell, Buckinghamshire, MK16 0NS Classification: Ironing & Home Laundry Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A14NW (NW)	907	-	486853 242804
167	<p>Contemporary Trade Directory Entries</p> <p>Name: Space Age Location: 16-18, Maryland Road, Tongwell, Milton Keynes, MK15 8HF Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A10SW (W)	954	-	486904 241791



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
167	Contemporary Trade Directory Entries Name: Mainrock Ltd Location: 16-18, Maryland Road, Tongwell, Milton Keynes, MK15 8HF Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A10SW (W)	954	-	486904 241791
168	Points of Interest - Commercial Services Name: Mg Express Ltd Location: 18 Tabard Gardens, Newport Pagnell, MK16 0LX Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SE (NW)	392	7	487344 242638
169	Points of Interest - Commercial Services Name: M K Van-Fit Direct Ltd Location: 1 Petersham Close, Newport Pagnell, MK16 0JF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (NW)	529	7	487360 242958
170	Points of Interest - Commercial Services Name: R & B Commercials Ltd Location: 1 Michigan Drive, Tongwell, Milton Keynes, MK15 8HQ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A10NE (W)	537	7	487234 242211
170	Points of Interest - Commercial Services Name: Specialist Integration Distribution Location: 1 Michigan Drive, Tongwell, Milton Keynes, MK15 8HQ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A10NE (W)	537	7	487234 242211
170	Points of Interest - Commercial Services Name: 51 Parcel Location: 12a Vermont Place, Tongwell, Milton Keynes, MK15 8JA Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A10NE (W)	596	7	487176 242195
170	Points of Interest - Commercial Services Name: Rapide Distribution Location: 12 Vermont Place, Tongwell, Milton Keynes, MK15 8JA Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A10NE (W)	597	7	487176 242195
171	Points of Interest - Commercial Services Name: Paint & Equip Location: Michigan Drive, Tongwell, Milton Keynes, MK15 8HQ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A10SE (W)	540	7	487275 241981
171	Points of Interest - Commercial Services Name: L K Q Coatings Location: Michigan Drive, Tongwell, Milton Keynes, MK15 8HQ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A10SE (W)	546	7	487262 242006
172	Points of Interest - Commercial Services Name: Pest Control M K Location: 19 Bates Close, Willen, Milton Keynes, MK15 9HZ Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A7NE (S)	630	7	487921 241374
172	Points of Interest - Commercial Services Name: Bucks Pest Control Location: 19 Bates Close, Willen, Milton Keynes, MK15 9HZ Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A7NE (S)	634	7	487910 241371
173	Points of Interest - Commercial Services Name: Volvo Truck & Bus Location: Delaware Drive, Tongwell, Milton Keynes, MK15 8HG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A10SW (W)	687	7	487144 241911



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
174	Points of Interest - Commercial Services Name: D F Crash Repairs Ltd Location: 22 Maryland Road, Tongwell, Milton Keynes, MK15 8HF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A10SW (W)	911	7	486938 241823
174	Points of Interest - Commercial Services Name: Auto-Wizard Location: Unit 22 Maryland Rd, Tongwell, Milton Keynes, Buckinghamshire, MK15 8HF Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A10SW (W)	911	7	486938 241822
174	Points of Interest - Commercial Services Name: Smart Car Valeting Location: 22 Maryland Road, Tongwell, Milton Keynes, MK15 8HF Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A10SW (W)	911	7	486938 241823
174	Points of Interest - Commercial Services Name: Bibby Distribution Ltd Location: Maryland Road, Tongwell, Milton Keynes, MK15 8HF Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A10SW (W)	953	7	486922 241748
175	Points of Interest - Manufacturing and Production Name: Gravel and Sand Workings Location: MK16 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A11NE (NE)	0	7	487918 242143
176	Points of Interest - Manufacturing and Production Name: John Morgan Location: Caldecote Farm, Willen Road, Newport Pagnell, MK16 0JJ Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A11NE (N)	0	7	487852 242277
177	Points of Interest - Manufacturing and Production Name: Tank Location: MK16 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A15NE (N)	302	7	487954 242963
178	Points of Interest - Manufacturing and Production Name: Industrial Estate Location: MK15 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A11SW (SW)	334	7	487679 241743
179	Points of Interest - Manufacturing and Production Name: Tank Location: MK15 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A11SW (SW)	467	7	487535 241687
179	Points of Interest - Manufacturing and Production Name: Tank Location: MK15 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A11SW (SW)	468	7	487540 241681
179	Points of Interest - Manufacturing and Production Name: Tanks Location: MK15 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11SW (SW)	473	7	487529 241684
180	Points of Interest - Manufacturing and Production Name: Tanks Location: MK15 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A10SE (SW)	509	7	487410 241777



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
180	Points of Interest - Manufacturing and Production Name: Tank Location: MK15 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A10SE (SW)	524	7	487396 241771
180	Points of Interest - Manufacturing and Production Name: Tank Location: MK15 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A10SE (SW)	539	7	487385 241761
181	Points of Interest - Manufacturing and Production Name: Industrial Estate Location: MK15 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A10NE (W)	541	7	487246 242114
182	Points of Interest - Manufacturing and Production Name: Industrial Estate Location: MK15 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A10SW (SW)	734	7	487148 241780
183	Points of Interest - Manufacturing and Production Name: Industrial Estate Location: MK15 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A6NW (SW)	946	7	487124 241427
184	Points of Interest - Public Infrastructure Name: Weir Location: MK16 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12NW (NE)	13	7	488402 242341
184	Points of Interest - Public Infrastructure Name: Weir Location: MK16 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12NW (NE)	17	7	488407 242343
185	Points of Interest - Public Infrastructure Name: Weir Location: MK16 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A16SW (NE)	87	7	488421 242646
185	Points of Interest - Public Infrastructure Name: Weir Location: MK16 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A16SW (NE)	104	7	488442 242650
185	Points of Interest - Public Infrastructure Name: Weir Location: MK16 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A16SW (NE)	111	7	488446 242655
186	Points of Interest - Public Infrastructure Name: Sewage Works Location: MK16 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A15NE (N)	306	7	487916 242956
186	Points of Interest - Public Infrastructure Name: Sewage Works Location: MK16 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A15NE (N)	326	7	487923 242979



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
187	<p>Points of Interest - Public Infrastructure</p> <p>Name: Filter Bed Location: MK16 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location</p>	A16NE (NE)	528	7	488728 242963
188	<p>Points of Interest - Public Infrastructure</p> <p>Name: Tesco Petrol Filling Station Location: 20-22 Elthorne Way, Newport Pagnell, MK16 0JR Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location</p>	A14NW (NW)	712	7	487154 242998
189	<p>Points of Interest - Recreational and Environmental</p> <p>Name: Skatepark Location: MK16 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location</p>	A15NE (N)	389	7	487858 243026
190	<p>Points of Interest - Recreational and Environmental</p> <p>Name: Play Area Location: Syon Gardens, MK16 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location</p>	A14NE (NW)	617	7	487168 242831
190	<p>Points of Interest - Recreational and Environmental</p> <p>Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location</p>	A14NE (NW)	618	7	487168 242833
191	<p>Points of Interest - Recreational and Environmental</p> <p>Name: Play Area Location: MK16 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location</p>	A14NE (NW)	646	7	487237 242997
191	<p>Points of Interest - Recreational and Environmental</p> <p>Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location</p>	A14NE (NW)	697	7	487195 243026
192	<p>Points of Interest - Recreational and Environmental</p> <p>Name: Play Area Location: MK15 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location</p>	A7SW (S)	797	7	487741 241236
193	<p>Points of Interest - Recreational and Environmental</p> <p>Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location</p>	A14SW (NW)	863	7	486875 242685
193	<p>Points of Interest - Recreational and Environmental</p> <p>Name: Play Area Location: MK16 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location</p>	A14SW (NW)	867	7	486871 242685
194	<p>Points of Interest - Recreational and Environmental</p> <p>Name: Bmx Track Location: MK15 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location</p>	A8SW (SE)	974	7	488369 241060



Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
195	Nitrate Vulnerable Zones Name: Great Ouse Nvz Description: Surface Water Source: Environment Agency, Head Office	A11NE (NW)	0	4	487857 242086
196	Nitrate Vulnerable Zones Name: Bedford Great Oolite Description: Groundwater Source: Environment Agency, Head Office	(N)	987	4	488200 243700



Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Milton Keynes Council - Environmental Health Division	October 2015	Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	October 2019	Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - Anglian Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	October 2019	Quarterly
Local Authority Integrated Pollution Prevention And Control Milton Keynes Council - Environmental Health Department	June 2016	Variable
Local Authority Pollution Prevention and Controls Milton Keynes Council - Environmental Health Department	June 2016	Not Applicable
Local Authority Pollution Prevention and Control Enforcements Milton Keynes Council - Environmental Health Department	June 2016	Variable
Nearest Surface Water Feature Ordnance Survey	November 2019	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - Anglian Region	June 2016	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Central Area	October 2019	Quarterly
Water Abstractions Environment Agency - Anglian Region	October 2019	Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	October 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2019	Quarterly



Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2019	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	November 2019	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	November 2019	Quarterly
Flood Defences Environment Agency - Head Office	November 2019	Quarterly
OS Water Network Lines Ordnance Survey	October 2019	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water Suitability Environment Agency - Head Office	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 Environment Agency - Head Office	October 2019	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Central Area	November 2019	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Central Area	October 2019	Quarterly
Local Authority Landfill Coverage Milton Keynes Council - Planning and Transport Department	May 2000	Not Applicable
Local Authority Recorded Landfill Sites Milton Keynes Council - Planning and Transport Department	May 2000	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 - Anglian Region - Central Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Central Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Central 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 Milton Keynes Council - Planning and Transport Department	February 2016	Variable
Planning Hazardous Substance Consents Milton Keynes Council - Planning and Transport 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	October 2019	Quarterly
Fuel Station Entries Catalist Ltd - Experian	December 2019	Quarterly
Gas Pipelines National Grid	July 2014	
Points of Interest - Commercial Services PointX	December 2019	Quarterly
Points of Interest - Education and Health PointX	December 2019	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2019	Quarterly
Points of Interest - Public Infrastructure PointX	December 2019	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2019	Quarterly
Underground Electrical Cables National Grid	December 2015	



Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2018	Bi-Annually
Areas of Adopted Green Belt Milton Keynes Council - Planning and Transport Department	February 2020	As notified
Areas of Unadopted Green Belt Milton Keynes Council - Planning and Transport Department	February 2020	As notified
Areas of Outstanding Natural Beauty Natural England	June 2019	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	March 2019	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	July 2019	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	April 2019	Bi-Annually
Sites of Special Scientific Interest Natural England	March 2019	Bi-Annually
Special Areas of Conservation Natural England	June 2019	Bi-Annually
Special Protection Areas Natural England	April 2019	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	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Milton Keynes Council - Environmental Health Department Civic Offices, 1 Saxon Gate East, Milton Keynes, Buckinghamshire, MJ9 3HH	Telephone: 01908 252759 Website: www.miltonkeynes.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	Milton Keynes Council - Planning and Transport Department PO Box 125, Civic Offices, 1 Saxon Gate East, Milton Keynes, Buckinghamshire, MK9 3ZJ	Telephone: 01908 691691 Fax: 01908 252211 Website: www.miltonkeynes.gov.uk
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	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.



ROLTON GROUP
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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

233646892_1_1

Customer Reference:

19-0021

National Grid Reference:

489170, 242230

Slice:

B

Site Area (Ha):

40.3

Search Buffer (m):

1000

Site Details:

Land off Willen Road

Newport Pagnell

Buckinghamshire

MK16 0FE

Client Details:

Ms T Mehew

Rolton Group

The Charles Parker Building

Midland Road

Higham Ferrers

Northamptonshire

NN10 8DN



Report Section	Page Number
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Waste	8
Hazardous Substances	-
Geological	9
Industrial Land Use	-
Sensitive Land Use	11
Data Currency	12
Data Suppliers	17
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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	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			3	5
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					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 3	1			
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 3			3	1 (*3)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 4	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 5	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 5	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 5	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 5	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 5		2	6	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					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 8	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 8			1	
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 9	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 9	Yes	Yes		Yes
BGS Recorded Mineral Sites	pg 9			1	1
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			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 10		Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 10	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 10	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 10	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 10	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries					
Fuel Station Entries					
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					
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					
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	pg 11	1			1
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 to Occur at Surface	B9NW (SW)	0	1	489171 242229
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	488	1	488850 243200
1	Discharge Consents Operator: N G W Richards Property Type: Domestic Property (Multiple) Location: 27&29 London Rd, Newport Pagnell, Bucks, Mk16 0jb Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Prcnf05277 Permit Version: 1 Effective Date: 23rd March 1994 Issued Date: 23rd March 1994 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Tributary River Ouzel Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	B13SW (NW)	368	2	488960 242430
1	Discharge Consents Operator: N G W Richards Property Type: Domestic Property (Single) Location: 27-29 London Road, Newport Pagnell, Bucks, Mk16 0jb Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Pr11f3377 Permit Version: 1 Effective Date: 20th July 1988 Issued Date: 20th July 1988 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Into Land Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	B13SW (NW)	385	2	488987 242398
2	Discharge Consents Operator: Pyms Stables Management Company Limited Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Wepener Farm Barns 23 London Road, Newport Pagnell, Milton Keynes, Bucks, Mk16 0ha Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Prcnf17993 Permit Version: 1 Effective Date: 1st November 2007 Issued Date: 17th May 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ditch Trib Of R Ouzel 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	B13SW (NW)	411	2	488850 242650
3	Discharge Consents Operator: T Collins Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: Moulsoe Buildings Farm, Moulsoe, Newport Pagnell, Mk16 Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr1nfg0542 Permit Version: 1 Effective Date: 28th May 1963 Issued Date: 28th May 1963 Revocation Date: 20th February 1991 Discharge Type: Agricultural effluents Discharge: Freshwater Stream/River Environment: Receiving Water: River Lovat Or Ouzel Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	B9SE (S)	778	2	489200 241800



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p>Discharge Consents</p> <p>Operator: Whitbread Hotel Company Property Type: HOLIDAY ACCOM/CAMP SITE/CARAVAN SITE/HOTEL/HOSTEL Location: Coach House Moulsoe Buildings, Newport Pagnell, Bucks, Mk16 0ja Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Milton Keynes) Reference: Prcnf00638 Permit Version: 2 Effective Date: 17th January 1992 Issued Date: 17th January 1992 Revocation Date: 30th May 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Ouzel Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m</p>	B9SW (S)	779	2	489130 241720
4	<p>Discharge Consents</p> <p>Operator: Lansbury Hotel A/C Payable Property Type: HOLIDAY ACCOM/CAMP SITE/CARAVAN SITE/HOTEL/HOSTEL Location: Coach House Moulsoe Buildings, Newport Pagnell, Bucks, Mk16 0ja Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Milton Keynes) Reference: Prcnf00638 Permit Version: 1 Effective Date: 24th April 1989 Issued Date: 24th April 1989 Revocation Date: 16th January 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Ouzel Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	B9SW (S)	779	2	489130 241720
5	<p>Discharge Consents</p> <p>Operator: Hon R F J Carlington Property Type: Domestic Property (Single) Location: Wychelm Cottage London Road, Moulsoe, Newport Pagnell, Bucks, Mk16 0ja Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Milton Keynes) Reference: Prcnf02678 Permit Version: 2 Effective Date: 24th January 1992 Issued Date: 24th January 1992 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Ouzel Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m</p>	B5NW (S)	896	2	489160 241580
5	<p>Discharge Consents</p> <p>Operator: Lord Carrington'S L1963 S/Ment Property Type: Domestic Property (Single) Location: Wychelm Cottage London Road, Moulsoe, Newport Pagnell, Bucks, Mk16 0ja Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Prcnf02678 Permit Version: 1 Effective Date: 14th May 1990 Issued Date: 14th May 1990 Revocation Date: 23rd January 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Ouzel Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	B5NW (S)	896	2	489160 241580
	<p>Nearest Surface Water Feature</p>	B9NW (W)	7	-	488916 242174



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Ouzel GQA Grade: River Quality B Reach: Confl. Broughton Brk Birchmoor Farm Estimated Distance (km): 3.2 Flow Rate: Flow less than 2.5 cumecs Flow Type: River Year: 2000	B9NW (W)	0	2	488887 242126
6	Water Abstractions Operator: P H Richards Esq Licence Number: 6/33/10/*g/003 Permit Version: Not Supplied Location: Well South Of Wepener Farm, CALDECOTE Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 2270 Details: Great Oolite; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B9NW (W)	388	2	489000 242300
7	Water Abstractions Operator: Honourable R F J Carington Licence Number: 6/33/10/*s/009 Permit Version: Not Supplied Location: River Ouzel , MOULSOE Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 5 Yearly Rate (m3): 500000 Details: Status: Temporary 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 10m	B9SW (SW)	421	2	488900 242000
7	Water Abstractions Operator: N Richards Esq Licence Number: 6/33/10/*s/004 Permit Version: Not Supplied Location: River Ouzel South Of Caldecote Mill, CALDECOTE Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 2 Yearly Rate (m3): 409090 Details: Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B9SW (SW)	424	2	488900 241995
8	Water Abstractions Operator: T Collins Licence Number: 6/33/10/*G/0002 Permit Version: 100 Location: Well Moulsoe Buildings Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Great Oolite; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th December 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	B5NW (S)	839	2	489100 241600



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: P.H.Richards Esq Licence Number: 6/33/09/*s/002 Permit Version: Not Supplied Location: Broughton Brook, BROUGHTON Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 2 Yearly Rate (m3): 409090 Details: Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	B1NW (S)	1468	2	488900 240700
	<p>Water Abstractions</p> <p>Operator: P.H.Richards Esq Licence Number: 6/33/09/*g/001 Permit Version: Not Supplied Location: Well North Of Hermitage Farm, MOULSOE Authority: Environment Agency, Anglian Region Abstraction: Domestic & Agriculture Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 680 Details: Great Oolite; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	B1NE (S)	1569	2	489400 240900
	<p>Water Abstractions</p> <p>Operator: P.H.Richards Esq Licence Number: 6/33/09/*s/002 Permit Version: Not Supplied Location: Broughton Brook, BROUGHTON Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 2 Yearly Rate (m3): 409090 Details: Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	B1SE (S)	1868	2	489200 240400
	<p>Groundwater Vulnerability Map</p> <p>Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial: >90% Patchiness: Superficial Superficial Thickness: 3-10m Superficial Recharge: No Data</p>	B9NW (W)	0	3	488893 242154



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	(W)	0	3	488491 242000
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	B9NW (W)	0	3	488893 242154
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(SW)	0	3	488285 241676
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	B9NE (S)	0	3	489186 242187
	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	B9NW (SW)	0	2	488996 242079
	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	B9NW (SW)	0	2	488996 242079
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
9	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 357.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ouzel Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B9NW (W)	13	4	488923 242177
10	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 503.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B9NW (W)	74	4	488923 242177
11	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B13SW (NW)	330	4	488847 242595



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 142.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ouzel Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B9NW (W)	338	4	488928 242161
13	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 594.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ouzel Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B9NW (SW)	350	4	488952 242049
14	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 135.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B13SW (NW)	362	4	488929 242489
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B13SW (NW)	365	4	488862 242606
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 121.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B9NW (SW)	428	4	489061 242089
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 308.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B9NW (SW)	501	4	489062 242089
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B9NW (SW)	501	4	489079 242095
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 288.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B9NW (SW)	514	4	489079 242095
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 211.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B9NE (SE)	514	4	489212 242172



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B9NE (E)	657	4	489259 242202
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 706.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B9NE (E)	660	4	489262 242204
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B9SW (S)	707	4	489114 241810
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B9SW (S)	707	4	489114 241810
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B13NW (N)	718	4	488946 243002
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 138.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B9SW (S)	750	4	489123 241756
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B9SW (S)	764	4	489150 241764
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 44.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B9SE (S)	773	4	489202 241766
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	B5NW (S)	849	4	489131 241619



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Milton Keynes Unitary Council - Has supplied landfill data		0	5	489171 242229
30	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	B13SW (N)	349	-	489151 242403



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Kellaways Formation And Oxford Clay Formation (Undifferentiated)	B9NW (SW)	0	1	489171 242229
	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	B9NW (W)	0	1	488893 242154
	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: 30 - 45 mg/kg	B9NW (NW)	86	1	489168 242236
	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	B9NW (SW)	200	1	489171 242229
	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	(S)	971	1	488747 241145
31	BGS Recorded Mineral Sites Site Name: London Road Brick Field Location: Newport Stables, Newport Pagnell, Buckinghamshire Source: British Geological Survey, National Geoscience Information Service Reference: 74456 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Oxford Clay Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	B13SW (NW)	422	1	489016 242433
32	BGS Recorded Mineral Sites Site Name: London Road Brick Field Location: Newport Stables, Newport Pagnell, Buckinghamshire Source: British Geological Survey, National Geoscience Information Service Reference: 74457 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Oxford Clay Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	B13SW (N)	575	1	489168 242457



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NE (S)	0	1	489193 242172
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NW (SW)	83	1	489171 242229
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B9NE (S)	0	1	489193 242172
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NW (SW)	83	1	489171 242229
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NW (SW)	0	1	489171 242229
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NW (SW)	0	1	489171 242229
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B9NE (S)	0	1	489193 242172
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NW (SE)	83	1	489176 242222
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B9NW (W)	0	1	488896 242156
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B9NW (SW)	63	1	489171 242229
	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	B9NW (SW)	0	1	489171 242229
	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	B9NW (SW)	0	1	489171 242229



Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	Nitrate Vulnerable Zones Name: Great Ouse Nvz Description: Surface Water Source: Environment Agency, Head Office	B9NW (SW)	0	3	489171 242229
34	Nitrate Vulnerable Zones Name: Bedford Great Oolite Description: Groundwater Source: Environment Agency, Head Office	(N)	987	3	488666 243744



Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Central Bedfordshire Council - Environmental Health Department Mid Bedfordshire District Council (now part of Central Bedfordshire Council) - Environmental Health Department Milton Keynes Council - Environmental Health Division	January 2020 July 2008 October 2015	Annually Not Applicable Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	October 2019	Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - Anglian Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	October 2019	Quarterly
Local Authority Integrated Pollution Prevention And Control Mid Bedfordshire District Council (now part of Central Bedfordshire Council) - Environmental Health Department Milton Keynes Council - Environmental Health Department Central Bedfordshire Council - Environmental Health Department	December 2008 June 2016 November 2014	Not Applicable Variable Variable
Local Authority Pollution Prevention and Controls Mid Bedfordshire District Council (now part of Central Bedfordshire Council) - Environmental Health Department Milton Keynes Council - Environmental Health Department Central Bedfordshire Council - Environmental Health Department	December 2008 June 2016 November 2014	Not Applicable Not Applicable Annually
Local Authority Pollution Prevention and Control Enforcements Mid Bedfordshire District Council (now part of Central Bedfordshire Council) - Environmental Health Department Milton Keynes Council - Environmental Health Department Central Bedfordshire Council - Environmental Health Department	December 2008 June 2016 November 2014	Not Applicable Variable Variable
Nearest Surface Water Feature Ordnance Survey	November 2019	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - Anglian Region	June 2016	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Central Area	October 2019	Quarterly
Water Abstractions Environment Agency - Anglian Region	October 2019	Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified



Agency & Hydrological	Version	Update Cycle
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	October 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2019	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2019	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	November 2019	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	November 2019	Quarterly
Flood Defences Environment Agency - Head Office	November 2019	Quarterly
OS Water Network Lines Ordnance Survey	October 2019	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water Suitability Environment Agency - Head Office	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 Environment Agency - Head Office	October 2019	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Central Area	November 2019	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Central Area	October 2019	Quarterly
Local Authority Landfill Coverage Bedfordshire County Council (now part of Central Bedfordshire Council) Mid Bedfordshire District Council (now part of Central Bedfordshire Council) - Environmental Health Department Milton Keynes Council - Planning and Transport Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Bedfordshire County Council (now part of Central Bedfordshire Council) Mid Bedfordshire District Council (now part of Central Bedfordshire Council) - Environmental Health Department Milton Keynes Council - Planning and Transport Department	May 2000 May 2000 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 - Anglian Region - Central Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Central Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Central 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 Central Bedfordshire Council - Planning Department Milton Keynes Council - Planning and Transport Department Bedfordshire County Council (now part of Central Bedfordshire Council) Mid Bedfordshire District Council (now part of Central Bedfordshire Council)	February 2016 February 2016 July 2008 May 2008	Variable Variable Annual Rolling Update Not Applicable
Planning Hazardous Substance Consents Central Bedfordshire Council - Planning Department Milton Keynes Council - Planning and Transport Department Bedfordshire County Council (now part of Central Bedfordshire Council) Mid Bedfordshire District Council (now part of Central Bedfordshire Council)	February 2016 February 2016 July 2008 May 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	October 2019	Quarterly
Fuel Station Entries Catalist Ltd - Experian	December 2019	Quarterly
Gas Pipelines National Grid	July 2014	
Points of Interest - Commercial Services PointX	December 2019	Quarterly
Points of Interest - Education and Health PointX	December 2019	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2019	Quarterly
Points of Interest - Public Infrastructure PointX	December 2019	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2019	Quarterly
Underground Electrical Cables National Grid	December 2015	



Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2018	Bi-Annually
Areas of Adopted Green Belt Mid Bedfordshire District Council (now part of Central Bedfordshire Council) - Environmental Health Department Milton Keynes Council - Planning and Transport Department Central Bedfordshire Council - Planning Department	February 2020 February 2020 May 2011	As notified As notified As notified
Areas of Unadopted Green Belt Mid Bedfordshire District Council (now part of Central Bedfordshire Council) - Environmental Health Department Milton Keynes Council - Planning and Transport Department Central Bedfordshire Council - Planning Department	February 2020 February 2020 May 2011	As notified As notified As notified
Areas of Outstanding Natural Beauty Natural England	June 2019	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	March 2019	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	July 2019	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	April 2019	Bi-Annually
Sites of Special Scientific Interest Natural England	March 2019	Bi-Annually
Special Areas of Conservation Natural England	June 2019	Bi-Annually
Special Protection Areas Natural England	April 2019	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	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	Milton Keynes Council - Planning and Transport Department PO Box 125, Civic Offices, 1 Saxon Gate East, Milton Keynes, Buckinghamshire, MK9 3ZJ	Telephone: 01908 691691 Fax: 01908 252211 Website: www.miltonkeynes.gov.uk
6	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
7	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

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ROLTON GROUP
ENGINEERING THE FUTURE

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

233646892_1_1

Customer Reference:

19-0021

National Grid Reference:

487970, 243320

Slice:

C

Site Area (Ha):

40.3

Search Buffer (m):

1000

Site Details:

Land off Willen Road
Newport Pagnell
Buckinghamshire
MK16 0FE

Client Details:

Ms T Mehew
Rolton Group
The Charles Parker Building
Midland Road
Higham Ferrers
Northamptonshire
NN10 8DN



Report Section	Page Number
Summary	-
Agency & Hydrological	1
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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 1			1	7
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	pg 3				1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3			Yes	
Pollution Incidents to Controlled Waters	pg 3				7
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 4	1			
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 4				2 (*4)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 6	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 6	1	n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 6		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 6	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 7			3	5



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 8		1		
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 8				1
Local Authority Landfill Coverage	pg 8	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 8		1		
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)					
Registered Landfill Sites					
Registered Waste Transfer Sites	pg 9				4
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 11	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 11	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 12				2
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			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 12	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 12	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 13	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 13	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 13	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 14				41
Fuel Station Entries	pg 17				3
Points of Interest - Commercial Services	pg 18				18
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 19				10
Points of Interest - Public Infrastructure	pg 20				11
Points of Interest - Recreational and Environmental	pg 21				4
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					
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	pg 22	1			1
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 to Occur at Surface	C3SE (NE)	0	1	487969 243316
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	229	1	487500 242550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	334	1	487400 242500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	389	1	487350 242450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	439	1	487300 242450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	447	1	487300 242400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C3SE (E)	488	1	488100 243300
1	Discharge Consents Operator: Wightman Richard Property Type: Domestic Property (Single) Location: London Road No.40 London Road, Newport Pagnell, Bucks, Mk16 0ha Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Prcnf17580 Permit Version: 1 Effective Date: 29th July 2005 Issued Date: 22nd September 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Great Ouse 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	C4SE (SE)	490	2	488564 243051
2	Discharge Consents Operator: Anglian Water Services Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Willen Road Ps Off Willen Road, Newport Pagnall, Buckinghamshire, Mk16 0df Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Aw1nf3235 Permit Version: 2 Effective Date: 24th July 2019 Issued Date: 24th July 2019 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Ouzel Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	C3SE (SE)	501	2	488090 243200
2	Discharge Consents Operator: Anglian Water Services Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Willen Road Ps Off Willen Road, Newport Pagnall, Buckinghamshire, Mk16 0df Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Aw1nf3235 Permit Version: 2 Effective Date: 24th July 2019 Issued Date: 24th July 2019 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Ouzel Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	C3SE (SE)	501	2	488090 243200



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<p>Discharge Consents</p> <p>Operator: Anglian Water Services Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Willen Road Ps Off Willen Road, Newport Pagnall, Buckinghamshire, MK16 0df Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Aw1nf3235 Permit Version: 1 Effective Date: 19th April 1989 Issued Date: 19th April 1989 Revocation Date: 23rd July 2019 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Ouzel Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m</p>	C3SE (E)	610	2	488040 243300
4	<p>Discharge Consents</p> <p>Operator: Messrs D C Builders Property Type: Not Supplied Location: Waste Transfer Station North Crawley Road, Newport Pagnell, Bucks Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Prclf00454 Permit Version: 1 Effective Date: 8th February 1989 Issued Date: 8th February 1989 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge: Onto Land Environment: Receiving Water: Land Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m</p>	C4NE (E)	900	2	488740 243440
5	<p>Discharge Consents</p> <p>Operator: Milton Keynes Council Property Type: Undefined Or Other Location: Civic Amenity Site, Newport Pagnell, Bucks. Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Pr1nf1282 Permit Version: 1 Effective Date: 22nd December 1980 Issued Date: 22nd December 1980 Revocation Date: 29th July 2002 Discharge Type: Trade: Waste Disposal Sites Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Chichely Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	C4NE (E)	927	2	488700 243500
5	<p>Discharge Consents</p> <p>Operator: Mrs J M Cook Property Type: Undefined Or Other Location: Civic Amenity Site, Newport Pagnell, Bucks. Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Pr1nf1282 Permit Version: 1 Effective Date: 22nd December 1980 Issued Date: 22nd December 1980 Revocation Date: 29th July 2002 Discharge Type: Trade: Waste Disposal Sites Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Chichely Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	C4NE (E)	927	2	488700 243500



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<p>Discharge Consents</p> <p>Operator: Buckinghamshire County Council Property Type: Undefined Or Other Location: Civic Amenity Site, Newport Pagnell, Bucks. Authority: Environment Agency, Anglian Region Catchment Area: River Ouzel (Willen) Reference: Pr1nf1282 Permit Version: 1 Effective Date: 22nd December 1980 Issued Date: 22nd December 1980 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Chicheley Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m</p>	C4NE (E)	927	2	488700 243500
6	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: BpChicheley Park Connect Location: Tickford Street, NEWPORT PAGNELL, Buckinghamshire, MK16 9BA Authority: Milton Keynes Council, Environmental Health Department Permit Reference: PPC/PR/002/01.10 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address</p>	C4NW (NE)	903	3	488262 243615
	<p>Nearest Surface Water Feature</p>	C3SE (SE)	327	-	488069 243126
7	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Construction Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Oils - Gas Oil Note: River Ouzel Incident Date: 13th January 1998 Incident Reference: 4000 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	C3SW (SW)	571	2	487800 243200
8	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: Tongwell Brook Incident Date: 21st March 1992 Incident Reference: 1439 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m</p>	C3SW (SW)	595	2	487700 243200
9	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: Tongwell Brook Incident Date: 8th August 1992 Incident Reference: 1621 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	C3SW (W)	663	2	487800 243295



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: River Ouzel/ Tongwell Bk Incident Date: 13th June 1992 Incident Reference: 1543 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	C3SW (W)	668	2	487800 243300
10	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Oils - Other Oil Note: Tongwell Brook Incident Date: 27th August 1998 Incident Reference: 4275 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C3SW (W)	692	2	487700 243300
11	Pollution Incidents to Controlled Waters Property Type: Engineering Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Oils - Other Oil Note: Ouzel Incident Date: 6th August 1996 Incident Reference: 3324 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Mechanical Failure Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	C3NW (NW)	765	2	487800 243400
12	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: Not Supplied Incident Date: 16th March 1992 Incident Reference: 1432 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	C4SE (E)	765	2	488700 243300
	River Quality Name: Ouzel GQA Grade: River Quality B Reach: Confl. Broughton Brk Birchmoor Farm Estimated Distance (km): 3.2 Flow Rate: Flow less than 2.5 cumecs Flow Type: River Year: 2000	C3SE (S)	0	2	487980 243198
13	Water Abstractions Operator: C.F. Porter & Son, Licence Number: 6/33/10/*s/001 Permit Version: Not Supplied Location: River Ouzel At, NEWPORT PAGNELL Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 0 Yearly Rate (m3): 5910 Details: Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	C3SW (W)	662	2	487805 243295



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	<p>Water Abstractions</p> <p>Operator: W Cowley Licence Number: 6/33/10/*S/0008 Permit Version: 100 Location: River Ouzel At Newport Pagnell Authority: Environment Agency, Anglian Region Abstraction: Paper And Printing: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st June 1973 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	C3NW (NW)	910	2	487600 243500
	<p>Water Abstractions</p> <p>Operator: Taylors Mustard Limited Licence Number: 6/33/10/*g/006 Permit Version: Not Supplied Location: Well At, NEWPORT PAGNELL Authority: Environment Agency, Anglian Region Abstraction: Industrial Processing (Miscellaneous) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 40900 Details: Great Oolite; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	C7SW (NW)	1299	2	487600 243900
	<p>Water Abstractions</p> <p>Operator: Messrs Turneys Licence Number: 6/33/05/*s/014 Permit Version: Not Supplied Location: Two Lengths Of The River Ouse, LATHBURY Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 73 Yearly Rate (m3): 2327500 Details: Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	C7NW (N)	1444	2	487800 244100
	<p>Water Abstractions</p> <p>Operator: J W Cook And Son Licence Number: 6/33/05/#s/049 Permit Version: Not Supplied Location: River Ouse Nr, Sherington Br, NEWPORT PAGNELL, Buckinghamshire Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 23 Yearly Rate (m3): 1136500 Details: Status: Perpetuity 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 10m</p>	C7NW (N)	1468	2	487800 244125



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: G R Peirson Licence Number: 6/33/05/*s/010 Permit Version: Not Supplied Location: River Great Ouse, NEWPORT PAGNELL Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 0 Yearly Rate (m3): 910 Details: Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	C7NW (NW)	1589	2	487600 244200
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial: >90% Patchiness: Superficial Superficial Thickness: 3-10m Superficial Recharge: High	(S)	0	4	487969 243000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial: >90% Patchiness: Superficial Superficial Thickness: 3-10m Superficial Recharge: No Data	(S)	0	4	488000 243000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(S)	0	4	487969 243000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	C3SE (SW)	0	4	487942 243278
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	C3SE (NE)	0	4	487969 243316
	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	C3SE (SW)	44	2	487875 243118
	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	C3SE (S)	0	2	487973 243282
	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
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 923.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ouzel Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C3SE (SE)	293	5	488093 243202
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 237.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C3SE (SE)	327	5	488093 243202
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 351.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Tongwell Brook Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C3SW (W)	407	5	487819 243258
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ouzel Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C3SE (SE)	502	5	488069 243223
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 327.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ouzel Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C3SE (S)	528	5	487975 243252
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C3SE (SE)	528	5	488069 243223
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 716.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ouzel Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C3SW (W)	623	5	487819 243258
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 368.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Cam Ely Ouse and South Level Primacy: 1	C8SE (NE)	957	5	488539 243752



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	<p>Historical Landfill Sites</p> <p>Licence Holder: Not Supplied Location: Caldecote Lane, Newport Pagnell Name: Borrow Pit Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD34631 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: Not Supplied</p>	C3SE (SE)	39	2	488070 243110
24	<p>Licensed Waste Management Facilities (Locations)</p> <p>Licence Number: 70100 Location: Newport Pagnell C A Site, North Crawley Road, Newport Pagnell, Buckinghamshire, MK16 9HG Operator Name: W R G Waste Services Ltd Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Central Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Expired Issued: 12th July 1993 Last Modified: 27th March 1997 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	C4NE (E)	984	2	488800 243500
	<p>Local Authority Landfill Coverage</p> <p>Name: Milton Keynes Unitary Council - Has supplied landfill data</p>		0	6	487969 243316
25	<p>Local Authority Recorded Landfill Sites</p> <p>Location: Borrow Pit, Caldecote Lane, Newport Pagnell Reference: Not Supplied Authority: Milton Keynes Council, Planning and Transport Department Last Reported Status: Closed Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate</p>	C3SE (SE)	36	6	488071 243109



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	<p>Registered Waste Transfer Sites</p> <p>Licence Holder: D.C. Builders Licence Reference: 252 Site Location: North Crawley Road, Newport Pagnell, Buckinghamshire Operator Location: 130 High Street, NEWPORT PAGNELL, Buckinghamshire, MK16 8EH Authority: Environment Agency - Anglian Region, Central Area Site Category: Transfer Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence has completion certificateSurrendered Dated: 1st May 1988 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Asphalts Bulky Household Waste Commercial Waste Construction Ind. Wastes Excavated Natural Materials Ind. Non-Haz. Waste Max.Waste Permitted By Licence(Stated) Metal Scrap Waste Treated Timber Prohibited Waste: Fibrous Forms Of Asbestos Food/Foodstuffs Waste High-Dens/Hard/Bonded/Cement Asbestos Highly Putrescible Waste Liquid/Sludges In Containers Or Not Poisonous, Noxious, Polluting Wastes Putresc.Waste Normally Coll.By L.A. Environment Agency Waste N.O.S. must give specific authorisation for this waste to be acceptedWaste requires prior approval</p>	C4SE (E)	781	2	488700 243320
26	<p>Registered Waste Transfer Sites</p> <p>Licence Holder: Mrs J M Cook Licence Reference: 400 Site Location: North Crawley Road C.A.Site, Newport Pagnell, Buckinghamshire Operator Location: 3 High Street, Great Linford, MILTON KEYNES, Buckinghamshire, MK14 5AX Authority: Environment Agency - Anglian Region, Central Area Site Category: Civic Amenity Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 12th July 1993 Preceded By: 400 Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Com. & Ind. Waste H'Hold Waste (As In 1996 Regs) Max.Waste Permitted By Licence Prohibited Waste: Spec.Waste (Epa'90:S62/1996 Regs) Waste N.O.S.</p>	C4SE (E)	816	2	488720 243350



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	<p>Registered Waste Transfer Sites</p> <p>Licence Holder: Mrs J M Cook Licence Reference: 400 Site Location: North Crawley Road C.A.Site, Newport Pagnell, Buckinghamshire Operator Location: 3 High Street, Great Linford, MILTON KEYNES, Buckinghamshire, MK14 5AX Authority: Environment Agency - Anglian Region, Central Area Site Category: Civic Amenity Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Record supersededSuperseded Dated: 12th July 1993 Preceded By: 322 Licence: Superseded By: 400 Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste Bucks Cat. A - Inert Bucks Cat. B - Semi-Inert Bucks Cat. C - Putres.Or Diff. Cement Asbestos Prods Domestic Appliances Gas Cylinders Lead/Acid Batteries Max.Waste Permitted By Licence Prohibited Waste Clinical Wastes Fibrous Forms Of Asbestos Poisonous, Noxious, Polluting Wastes Special/Toxic Waste Waste N.O.S.</p>	C4SE (E)	816	2	488720 243350
27	<p>Registered Waste Transfer Sites</p> <p>Licence Holder: Bucks C.C. Licence Reference: 322 Site Location: North Crawley Road C.A.Site, Newport Pagnell, Buckinghamshire Operator Location: County Hall, AYLESBURY, Buckinghamshire, HP20 1UY Authority: Environment Agency - Anglian Region, Central Area Site Category: Civic Amenity Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Licence Status: Record supersededSuperseded Dated: 1st January 1981 Preceded By: Not Given Licence: Superseded By: 400 Licence: Positional Accuracy: Positioned by the supplier Boundary Quality: Good Authorised Waste Civic Amenity/Refuse Amenity Waste Waste Oil Prohibited Waste Commercial Waste Industrial Wastes</p>	C4SE (E)	789	2	488705 243326



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Kellaways Formation And Oxford Clay Formation (Undifferentiated)	C3SE (NE)	0	1	487969 243316
	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	C3SE (NE)	0	1	487969 243316
	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: 30 - 45 mg/kg	C8NE (NE)	86	1	488515 244217
	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	C3NE (NE)	200	1	488018 243365
	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: 30 - 45 mg/kg	C3SE (S)	315	1	487962 243297
	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	C3SE (E)	510	1	488101 243280
	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	(W)	606	1	487132 242972



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 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	(SW)	794	1	486941 242838
	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: 30 - 45 mg/kg Concentration:	C3NW (NW)	963	1	487562 243563
28	BGS Recorded Mineral Sites Site Name: The Green Gravel Pit Location: Newport Pagnell, Buckinghamshire Source: British Geological Survey, National Geoscience Information Service Reference: 181178 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Pleistocene Geology: Felmersham Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	C3SW (SW)	570	1	487597 243148
29	BGS Recorded Mineral Sites Site Name: Tickford End Brick Yard Location: Newport Pagnell, Buckinghamshire Source: British Geological Survey, National Geoscience Information Service Reference: 181187 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Peterborough Member Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	C4NW (NE)	900	1	488371 243599
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SE (S)	0	1	487964 243300
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3SE (SW)	0	1	487906 243179
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3SE (NE)	83	1	487969 243316
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	C3SE (S)	0	1	487964 243300



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SE (SW)	0	1	487906 243179
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SE (NE)	83	1	487969 243316
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SE (NE)	0	1	487969 243316
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3SE (NE)	0	1	487969 243316
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	C3SE (S)	0	1	487964 243300
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3SE (SW)	0	1	487906 243179
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3SE (NE)	83	1	487969 243316
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	487943 242992
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	C3SE (SW)	0	1	487937 243267
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3SE (S)	0	1	487949 243158
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	C3SE (NE)	63	1	487969 243316
	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	C3SE (NE)	0	1	487969 243316
	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	C3SE (NE)	0	1	487969 243316



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	<p>Contemporary Trade Directory Entries</p> <p>Name: Ralph Hughes Location: White House, Willen Road, Newport Pagnell, Buckinghamshire, MK16 0DF Classification: Lawnmowers & Garden Machinery - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	C3SW (SW)	530	-	487748 243144
31	<p>Contemporary Trade Directory Entries</p> <p>Name: Unique Car Services Location: Unit 3, Willen Works, Willen Rd, Newport Pagnell, Buckinghamshire, MK16 0DF Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	C3SW (SW)	585	-	487712 243192
31	<p>Contemporary Trade Directory Entries</p> <p>Name: D 2 H Engineering Location: Unit 2, Willen Works, Willen Road, Newport Pagnell, MK16 0DG Classification: Engineers - General Status: Active Positional Accuracy: Automatically positioned to the address</p>	C3SW (SW)	602	-	487751 243219
32	<p>Contemporary Trade Directory Entries</p> <p>Name: Unique Autocentre Ltd Location: Willen Works, Willen Road, Newport Pagnell, MK16 0DG Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	C3SW (W)	613	-	487772 243236
32	<p>Contemporary Trade Directory Entries</p> <p>Name: Milton Keynes Pallets Location: M K Pallets, Willen Works, Willen Road, Newport Pagnell, MK16 0DG Classification: Pallets, Crates & Packing Cases Status: Active Positional Accuracy: Automatically positioned to the address</p>	C3SW (W)	643	-	487762 243264
33	<p>Contemporary Trade Directory Entries</p> <p>Name: Priority Cleaning Ltd Location: 67, Richmond Way, Newport Pagnell, Buckinghamshire, MK16 0LQ Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	C3SW (W)	642	-	487568 243215
34	<p>Contemporary Trade Directory Entries</p> <p>Name: Russell Scaffolding & Access Ltd Location: 10, North Crawley Road, Newport Pagnell, Buckinghamshire, MK16 9FE Classification: Scaffolding & Work Platforms Status: Active Positional Accuracy: Automatically positioned to the address</p>	C4SE (E)	674	-	488578 243278
34	<p>Contemporary Trade Directory Entries</p> <p>Name: Nsn Holdings Location: Network House, North Crawley Road, Newport Pagnell, MK16 9TG Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	C4SE (E)	718	-	488585 243325
35	<p>Contemporary Trade Directory Entries</p> <p>Name: Turnco Location: 1, Thames Drive, Newport Pagnell, Buckinghamshire, MK16 9DS Classification: Engineering Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	C4NW (NE)	740	-	488202 243453
36	<p>Contemporary Trade Directory Entries</p> <p>Name: B P Service Station Location: Tickford Street, Newport Pagnell, Buckinghamshire, MK16 9BD Classification: Petrol Filling Stations Status: Active Positional Accuracy: Manually positioned to the address or location</p>	C4NE (E)	742	-	488509 243392
36	<p>Contemporary Trade Directory Entries</p> <p>Name: Bp Location: Tickford St, Newport Pagnell, Buckinghamshire, MK16 9BD Classification: Petrol Filling Stations - 24 Hour Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	C4NW (E)	754	-	488482 243416



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	<p>Contemporary Trade Directory Entries</p> <p>Name: Mouse Hunters Location: 3, Glenwoods, Newport Pagnell, Buckinghamshire, MK16 0NA Classification: Pest & Vermin Control Status: Active Positional Accuracy: Automatically positioned to the address</p>	C2SE (W)	753	-	487296 243195
38	<p>Contemporary Trade Directory Entries</p> <p>Name: Chipsaway Location: 5, Sunridge Close, Newport Pagnell, Buckinghamshire, MK16 0LT Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	C2SE (W)	762	-	487216 243142
38	<p>Contemporary Trade Directory Entries</p> <p>Name: Chips Away Location: 5, Sunridge Close, NEWPORT PAGNELL, Buckinghamshire, MK16 0LT Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	C2SE (W)	762	-	487216 243142
38	<p>Contemporary Trade Directory Entries</p> <p>Name: Little Knox Location: 5, Sunridge Close, Newport Pagnell, Buckinghamshire, MK16 0LT Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	C2SE (W)	762	-	487216 243142
39	<p>Contemporary Trade Directory Entries</p> <p>Name: C & G Cleaning Location: 52, Severn Drive, Newport Pagnell, Buckinghamshire, MK16 9DR Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	C3NE (NE)	776	-	488129 243485
40	<p>Contemporary Trade Directory Entries</p> <p>Name: 'Impressed' Location: 17, Avon Close, Newport Pagnell, Buckinghamshire, MK16 9DH Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	C3NE (N)	806	-	487939 243478
41	<p>Contemporary Trade Directory Entries</p> <p>Name: Fastening Solutions Location: 51, Sunridge Close, Newport Pagnell, Buckinghamshire, MK16 0LT Classification: Fasteners & Fixing Devices Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	C2SW (W)	808	-	487145 243137
42	<p>Contemporary Trade Directory Entries</p> <p>Name: Biits Ltd Location: Harben House, Severn Drive, Newport Pagnell, MK16 9EY Classification: Cash Registers & Check-Out Equipment Status: Active Positional Accuracy: Automatically positioned to the address</p>	C4NW (NE)	812	-	488194 243525
43	<p>Contemporary Trade Directory Entries</p> <p>Name: J Heebink Logistic Services Location: 10, Plover Close, Interchange Park, Newport Pagnell, Buckinghamshire, MK16 9PS Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	C4SE (E)	829	-	488832 243268
44	<p>Contemporary Trade Directory Entries</p> <p>Name: Myhome Location: Newport Pagnell, Buckinghamshire, Mk16 9gd Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Manually positioned within the geographical locality</p>	C4NW (NE)	862	-	488468 243536
45	<p>Contemporary Trade Directory Entries</p> <p>Name: A E Autos Location: 3, Willen Road, Newport Pagnell, Buckinghamshire, MK16 0LZ Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	C3NW (W)	870	-	487536 243443



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	<p>Contemporary Trade Directory Entries</p> <p>Name: William Cowley Location: 97, Caldecote Street, Newport Pagnell, MK16 0DB Classification: Leather Garments & Products Status: Active Positional Accuracy: Automatically positioned to the address</p>	C3NW (NW)	916	-	487557 243496
46	<p>Contemporary Trade Directory Entries</p> <p>Name: Fenco-Aldridge Location: Willen Works, Willen Road, Newport Pagnell, Buckinghamshire, MK16 0DG Classification: Petroleum Products - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address</p>	C3NW (NW)	916	-	487557 243496
46	<p>Contemporary Trade Directory Entries</p> <p>Name: The Vintage Tractor Company Location: Willen Works, Willen Road, Newport Pagnell, Buckinghamshire, MK16 0DG Classification: Agricultural Vehicles Status: Active Positional Accuracy: Automatically positioned to the address</p>	C3NW (NW)	916	-	487557 243496
46	<p>Contemporary Trade Directory Entries</p> <p>Name: Chiltern Cargo Services Ltd Location: Willen Works, Willen Rd, Newport Pagnell, Buckinghamshire, MK16 0DG Classification: Freight Forwarders Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	C3NW (NW)	917	-	487557 243496
46	<p>Contemporary Trade Directory Entries</p> <p>Name: Newport Pagnell Autocentre Location: Caldecote Street, NEWPORT PAGNELL, Buckinghamshire, MK16 0YZ Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address</p>	C3NW (NW)	940	-	487541 243516
46	<p>Contemporary Trade Directory Entries</p> <p>Name: Dyno Location: Associated Trade Center, Caldecote Street, Newport Pagnell, Buckinghamshire, MK16 0YZ Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	C3NW (NW)	940	-	487541 243516
46	<p>Contemporary Trade Directory Entries</p> <p>Name: Farm Garages Location: Caldecote Street, Newport Pagnell, Buckinghamshire, MK16 0YZ Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address</p>	C3NW (NW)	940	-	487541 243516
46	<p>Contemporary Trade Directory Entries</p> <p>Name: Ambitech Refrigeration & Air Conditioning Location: Associated Trade Center, Caldecote Street, Newport Pagnell, Buckinghamshire, MK16 0YZ Classification: Refrigeration Equipment - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	C3NW (NW)	940	-	487541 243516
46	<p>Contemporary Trade Directory Entries</p> <p>Name: Just M O T'S Location: Caldecote Street, Newport Pagnell, MK16 0YZ Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address</p>	C3NW (NW)	943	-	487555 243523
46	<p>Contemporary Trade Directory Entries</p> <p>Name: Flex Logistics Solutions Ltd Location: Offices 5 And 6, Lovat Court, Caldecote Street, Newport Pagnell, MK16 0YZ Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	C3NW (NW)	943	-	487540 243519
46	<p>Contemporary Trade Directory Entries</p> <p>Name: Gripspeed Location: Unit 4 5, Lovat Court, Caldecote Street, Newport Pagnell, MK16 0YZ Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	C3NW (NW)	946	-	487556 243526



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	<p>Contemporary Trade Directory Entries</p> <p>Name: Nfh Cars Location: Lovat Court, Caldecote Street, Newport Pagnell, MK16 0YZ Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	C3NW (NW)	955	-	487543 243532
46	<p>Contemporary Trade Directory Entries</p> <p>Name: Newport Pagnell Auto Centre Location: Caldecote Street, Newport Pagnell, MK16 0YZ Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	C3NW (NW)	957	-	487527 243530
46	<p>Contemporary Trade Directory Entries</p> <p>Name: Citroen Services Location: Unit 5, Lovat Court, Caldecote Street, Newport Pagnell, MK16 0YZ Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	C3NW (NW)	963	-	487533 243537
47	<p>Contemporary Trade Directory Entries</p> <p>Name: Tiarni Teddies Location: 16, Trent Drive, Newport Pagnell, Buckinghamshire, MK16 9DB Classification: Toys, Games & Sporting Goods - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	C3NW (NW)	939	-	487798 243580
48	<p>Contemporary Trade Directory Entries</p> <p>Name: Formula One Autocentres Location: 1, Chicheley Street, NEWPORT PAGNELL, Buckinghamshire, MK16 9AP Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address</p>	C4NW (NE)	948	-	488223 243661
49	<p>Contemporary Trade Directory Entries</p> <p>Name: Classic Us Autoparts Location: 44, Tickford Street, Newport Pagnell, Buckinghamshire, MK16 9BJ Classification: Classic Car Specialists Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	C3NE (N)	952	-	487993 243640
50	<p>Contemporary Trade Directory Entries</p> <p>Name: A C S (Milton Keynes) Location: Caldecote St, Newport Pagnell, Buckinghamshire, MK16 0YZ Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	C2NE (NW)	982	-	487482 243544
50	<p>Contemporary Trade Directory Entries</p> <p>Name: Radio Data Logger Co Ltd Location: 75, Silver Street, Newport Pagnell, Buckinghamshire, MK16 0EQ Classification: Scientific Apparatus & Instruments - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	C2NE (NW)	996	-	487488 243560
51	<p>Fuel Station Entries</p> <p>Name: Chicheley Park Sf Connect Location: Tickford Street , , Newport Pagnell, Milton Keynes, MK16 9BD Brand: BP Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location</p>	C4NE (E)	742	-	488509 243392
52	<p>Fuel Station Entries</p> <p>Name: Fenco-Aldridge (Barton) Ltd Location: Caldecote Street , , Newport Pagnell, Milton Keynes, MK16 0YZ Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Approximate location provided by supplier</p>	C3NW (W)	795	-	487722 243411
53	<p>Fuel Station Entries</p> <p>Name: Tickford Street Self Serve Location: Tickford Street , , Newport Pagnell, Milton Keynes, MK16 9BA Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Approximate location provided by supplier</p>	C3NE (NE)	913	-	488147 243624



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	Points of Interest - Commercial Services Name: Chicheley Park Sf Connect Location: Tickford, Street, Newport Pagnell, MK16 9BD Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	C4NE (E)	742	7	488509 243392
54	Points of Interest - Commercial Services Name: B P Car Wash Location: Tickford Street, Newport Pagnell, MK16 9BD Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	C4NE (E)	742	7	488509 243392
54	Points of Interest - Commercial Services Name: Car Wash Location: Tickford Street, Newport Pagnell, Buckinghamshire, MK16 9BD Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	C4NE (E)	742	7	488509 243392
55	Points of Interest - Commercial Services Name: Mouse Hunters Location: 3 Glenwoods, Newport Pagnell, MK16 0NA Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	C2SE (W)	752	7	487295 243194
56	Points of Interest - Commercial Services Name: Chips Away Location: 5 Sunridge Close, Newport Pagnell, MK16 0LT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	C2SE (W)	762	7	487216 243142
57	Points of Interest - Commercial Services Name: City Transport Ltd Location: Jenna House, North Crawley Road, North Crawley, Newport Pagnell, MK16 9TG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	C4SE (E)	772	7	488752 243262
57	Points of Interest - Commercial Services Name: J Heebink Logistic Services Location: 10 Plover Close, Interchange Park, Newport Pagnell, MK16 9PS Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	C4SE (E)	828	7	488832 243267
57	Points of Interest - Commercial Services Name: J Heebink Ltd Location: 10 Plover Close, Interchange Park, Newport Pagnell, MK16 9PS Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	C4SE (E)	829	7	488832 243268
58	Points of Interest - Commercial Services Name: Unique Autocentre Ltd Location: Willen Works, Willen Road, Newport Pagnell, MK16 0DG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	C3NW (NW)	916	7	487557 243495
58	Points of Interest - Commercial Services Name: Chiltern Cargo Services Ltd Location: Willen Works, Willen Rd, Newport Pagnell, Buckinghamshire, MK16 0DG Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	C3NW (NW)	917	7	487557 243496
58	Points of Interest - Commercial Services Name: World Wide Motors Location: 3 Willen Works, Willen Road, Newport Pagnell, Buckinghamshire, MK16 0DG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	C3NW (NW)	917	7	487557 243496
58	Points of Interest - Commercial Services Name: Just Mot's Location: Associated Trade Center, Caldecote Street, Newport Pagnell, MK16 0YZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	C3NW (NW)	940	7	487541 243516



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
58	Points of Interest - Commercial Services Name: Citroen Services Location: Caldecote Street, Newport Pagnell, MK16 0YZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	C3NW (NW)	940	7	487541 243516
58	Points of Interest - Commercial Services Name: Just M O T's Location: Caldecote Street, Newport Pagnell, MK16 0YZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	C3NW (NW)	943	7	487555 243523
59	Points of Interest - Commercial Services Name: Formula 1 Auto Centre Location: 1 Chicheley Street, Newport Pagnell, MK16 9AP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	C4NW (NE)	948	7	488223 243661
59	Points of Interest - Commercial Services Name: Formula One Autocentres Location: 1 Chicheley Street, Newport Pagnell, MK16 9AP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	C4NW (NE)	948	7	488222 243661
60	Points of Interest - Commercial Services Name: Classic Us Autoparts Location: 44 Tickford Street, Newport Pagnell, MK16 9BJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	C3NE (N)	952	7	487992 243640
61	Points of Interest - Commercial Services Name: Logistics Research & Information Services Ltd Location: 10 Brockwell, Newport Pagnell, MK16 0LA Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	C2NE (W)	994	7	487424 243537
62	Points of Interest - Manufacturing and Production Name: Tank Location: MK16 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	C4NE (E)	795	7	488580 243416
63	Points of Interest - Manufacturing and Production Name: Tank Location: MK16 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	C4NE (E)	862	7	488680 243435
63	Points of Interest - Manufacturing and Production Name: Tank Location: MK16 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	C4NE (E)	863	7	488635 243464
64	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	C3NE (N)	883	7	488049 243582
64	Points of Interest - Manufacturing and Production Name: Works Location: MK16 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	C3NE (N)	883	7	488049 243582
64	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	C3NE (N)	900	7	487993 243587



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	Points of Interest - Manufacturing and Production Name: Tank Location: MK16 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	C3NE (N)	936	7	488058 243637
65	Points of Interest - Manufacturing and Production Name: Works Location: MK16 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	C3NW (W)	899	7	487569 243481
65	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	C3NW (W)	900	7	487564 243480
65	Points of Interest - Manufacturing and Production Name: Fenco-aldridge Location: Willen Works, Willen Road, Newport Pagnell, MK16 0DG Category: Extractive Industries Class Code: Oil and Gas Extraction, Refinery and Product Manufacture Positional Accuracy: Positioned to address or location	C3NW (NW)	916	7	487557 243495
66	Points of Interest - Public Infrastructure Name: Cemetery Location: MK16 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	C4SW (E)	576	7	488359 243270
66	Points of Interest - Public Infrastructure Name: Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	C4SW (E)	577	7	488366 243269
67	Points of Interest - Public Infrastructure Name: BP Express Shopping Location: Tickford Street, Newport Pagnell, Buckinghamshire, MK16 9BD Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	C4NE (E)	742	7	488509 243392
67	Points of Interest - Public Infrastructure Name: BP Service Station Location: Tickford Street, Newport Pagnell, MK16 9BD Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	C4NE (E)	742	7	488509 243392
67	Points of Interest - Public Infrastructure Name: Chicheley Park Sf Connect Location: Tickford, Street, Newport Pagnell, MK16 9BD Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	C4NE (E)	742	7	488509 243392
67	Points of Interest - Public Infrastructure Name: BP Service Station Location: Tickford Street, Newport Pagnell, MK16 9BD Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	C4NE (E)	744	7	488508 243395
67	Points of Interest - Public Infrastructure Name: Chicheley Park Connect Location: Tickford Street, Newport Pagnell, Buckinghamshire, MK16 9 Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	C4NW (E)	754	7	488482 243416
67	Points of Interest - Public Infrastructure Name: Welcome Break Group Location: 2 Vantage Court, Tickford Street, Newport Pagnell, MK16 9EZ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	C4NE (E)	798	7	488558 243431



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	<p>Points of Interest - Public Infrastructure</p> <p>Name: Household Waste Site Location: MK16 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location</p>	C4SE (E)	816	7	488720 243350
69	<p>Points of Interest - Public Infrastructure</p> <p>Name: Weir Location: MK16 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location</p>	C3NW (NW)	963	7	487658 243568
69	<p>Points of Interest - Public Infrastructure</p> <p>Name: Weir Location: MK16 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location</p>	C3NW (NW)	963	7	487660 243569
70	<p>Points of Interest - Recreational and Environmental</p> <p>Name: Playground Location: Hopton Grove, MK16 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location</p>	C4SE (E)	616	7	488622 243170
71	<p>Points of Interest - Recreational and Environmental</p> <p>Name: Playground Location: Nene Close, MK16 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location</p>	C3SE (W)	690	7	487843 243334
72	<p>Points of Interest - Recreational and Environmental</p> <p>Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location</p>	C2SE (W)	836	7	487264 243275
72	<p>Points of Interest - Recreational and Environmental</p> <p>Name: Play Area Location: Barnsbury Gardens, MK16 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location</p>	C2SE (W)	844	7	487265 243286



Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	Nitrate Vulnerable Zones Name: Great Ouse Nvz Description: Surface Water Source: Environment Agency, Head Office	C3SE (NE)	0	4	487969 243316
74	Nitrate Vulnerable Zones Name: Bedford Great Oolite Description: Groundwater Source: Environment Agency, Head Office	C4NW (NE)	987	4	488200 243700



Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Milton Keynes Council - Environmental Health Division	October 2015	Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	October 2019	Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - Anglian Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	October 2019	Quarterly
Local Authority Integrated Pollution Prevention And Control Milton Keynes Council - Environmental Health Department	June 2016	Variable
Local Authority Pollution Prevention and Controls Milton Keynes Council - Environmental Health Department	June 2016	Not Applicable
Local Authority Pollution Prevention and Control Enforcements Milton Keynes Council - Environmental Health Department	June 2016	Variable
Nearest Surface Water Feature Ordnance Survey	November 2019	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - Anglian Region	June 2016	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Central Area	October 2019	Quarterly
Water Abstractions Environment Agency - Anglian Region	October 2019	Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	October 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2019	Quarterly



Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2019	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	November 2019	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	November 2019	Quarterly
Flood Defences Environment Agency - Head Office	November 2019	Quarterly
OS Water Network Lines Ordnance Survey	October 2019	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water Suitability Environment Agency - Head Office	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 Environment Agency - Head Office	October 2019	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Central Area	November 2019	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Central Area	October 2019	Quarterly
Local Authority Landfill Coverage Milton Keynes Council - Planning and Transport Department	May 2000	Not Applicable
Local Authority Recorded Landfill Sites Milton Keynes Council - Planning and Transport Department	May 2000	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 - Anglian Region - Central Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Central Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Central 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 Milton Keynes Council - Planning and Transport Department	February 2016	Variable
Planning Hazardous Substance Consents Milton Keynes Council - Planning and Transport 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	October 2019	Quarterly
Fuel Station Entries Catalist Ltd - Experian	December 2019	Quarterly
Gas Pipelines National Grid	July 2014	
Points of Interest - Commercial Services PointX	December 2019	Quarterly
Points of Interest - Education and Health PointX	December 2019	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2019	Quarterly
Points of Interest - Public Infrastructure PointX	December 2019	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2019	Quarterly
Underground Electrical Cables National Grid	December 2015	



Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2018	Bi-Annually
Areas of Adopted Green Belt Milton Keynes Council - Planning and Transport Department	February 2020	As notified
Areas of Unadopted Green Belt Milton Keynes Council - Planning and Transport Department	February 2020	As notified
Areas of Outstanding Natural Beauty Natural England	June 2019	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	March 2019	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	July 2019	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	April 2019	Bi-Annually
Sites of Special Scientific Interest Natural England	March 2019	Bi-Annually
Special Areas of Conservation Natural England	June 2019	Bi-Annually
Special Protection Areas Natural England	April 2019	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	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Milton Keynes Council - Environmental Health Department Civic Offices, 1 Saxon Gate East, Milton Keynes, Buckinghamshire, MJ9 3HH	Telephone: 01908 252759 Website: www.miltonkeynes.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	Milton Keynes Council - Planning and Transport Department PO Box 125, Civic Offices, 1 Saxon Gate East, Milton Keynes, Buckinghamshire, MK9 3ZJ	Telephone: 01908 691691 Fax: 01908 252211 Website: www.miltonkeynes.gov.uk
7	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:

233646892_1_1

Customer Reference:

19-0021

National Grid Reference:

489000, 243180

Slice:

D

Site Area (Ha):

40.3

Search Buffer (m):

1000

Site Details:

Land off Willen Road

Newport Pagnell

Buckinghamshire

MK16 0FE

Client Details:

Ms T Mehew

Rolton Group

The Charles Parker Building

Midland Road

Higham Ferrers

Northamptonshire

NN10 8DN



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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

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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					
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Nearest Surface Water Feature					
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River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
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Superficial Aquifer Designations	pg 2	Yes	n/a	n/a	n/a
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Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines					



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
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Planning Hazardous Substance Enforcements					



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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			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
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Special Areas of Conservation					
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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 to Occur at Surface	(SW)	0	1	488800 242950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D1SW (NW)	488	1	488900 243250
1	Discharge Consents Operator: Alfred Edward Baylis Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: Tickford Fields Farm, Newport Pagnell, Bucks, Mk16 9hg Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr1nfg0084 Permit Version: 1 Effective Date: 21st March 1963 Issued Date: 21st March 1963 Revocation Date: 20th February 1991 Discharge Type: Agricultural effluents Discharge: Freshwater Stream/River Environment: Receiving Water: Chicheley Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	D1SW (N)	888	2	489000 243200
2	Discharge Consents Operator: Plysu Plc Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: Tickford Fields Farm Crawley Road, Newport Pagnell, Bucks, Mk16 9hg Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr1nfg0124 Permit Version: 1 Effective Date: 22nd March 1963 Issued Date: 22nd March 1963 Revocation Date: 4th April 1991 Discharge Type: Agricultural effluents Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Ouse Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	D1SW (N)	960	2	489000 243300
	Nearest Surface Water Feature None				
3	Pollution Incidents to Controlled Waters Property Type: Engineering Location: Bedford District Authority: Environment Agency, Anglian Region Pollutant: Oils - Other Oil Note: Tributary River Ouzel Incident Date: 23rd October 1997 Incident Reference: 3925 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	D1SW (SE)	900	2	489100 243100
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial: >90% Patchiness: Superficial Thickness: 3-10m Superficial Recharge: No Data	(SW)	0	3	488578 242978
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(SW)	0	3	488578 242978



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(W)	0	3	488570 243073
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
	OS Water Network Lines None				



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Milton Keynes Unitary Council - Has supplied landfill data		0	4	489003 243184
4	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	D1SW (NW)	881	-	488850 243320



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Kellaways Formation And Oxford Clay Formation (Undifferentiated)	D1SW (SE)	0	1	489003 243184
	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: 30 - 45 mg/kg	(S)	86	1	489003 243000
	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	D1SW (SE)	200	1	489003 243184
	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	D1SW (NW)	510	1	488887 243269
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	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 (SE)	83	1	489003 243184
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1SW (SE)	83	1	489003 243184
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1SW (SE)	0	1	489003 243184
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1SW (SE)	0	1	489003 243184
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1SW (NW)	83	1	488887 243255
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	D1SW (SE)	63	1	489003 243184
	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 (SE)	0	1	489003 243184



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 (SE)	0	1	489003 243184



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<p>Contemporary Trade Directory Entries</p> <p>Name: Sunrider Europe Location: 14, Plover Close, Interchange Park, Newport Pagnell, Buckinghamshire, MK16 9PS Classification: Distribution Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	D1SW (W)	792	-	488873 243188
6	<p>Contemporary Trade Directory Entries</p> <p>Name: Your Doorstep Cleaning Services Location: Unit 166 Icentre Interchange Business Park, Howard Way, Interchange Park, Newport Pagnell, Buckinghamshire, MK16 9PY Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Manually positioned to the address or location</p>	D1SW (SW)	813	-	488941 243153
6	<p>Contemporary Trade Directory Entries</p> <p>Name: Hardware For You Ltd Location: Interchange Business Centre, Howard Way, Interchange Park, Newport Pagnell, MK16 9PY Classification: Hardware Status: Active Positional Accuracy: Automatically positioned to the address</p>	D1SW (SW)	813	-	488941 243153
6	<p>Contemporary Trade Directory Entries</p> <p>Name: Proact Pest Control Location: Suite 180 I-Centre, Howard Way, Interchange Park, Newport Pagnell, Buckinghamshire, MK16 9PY Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	D1SW (SW)	813	-	488941 243153
7	<p>Contemporary Trade Directory Entries</p> <p>Name: Pfeiffer Vacuum Location: 16, Plover Close, Interchange Park, Newport Pagnell, Buckinghamshire, MK16 9PS Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	D1SW (W)	825	-	488897 243210
7	<p>Contemporary Trade Directory Entries</p> <p>Name: Hidenhigh Gb Ltd Location: 16, Plover Close, Interchange Park, Newport Pagnell, Buckinghamshire, MK16 9PS Classification: Control Panels Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	D1SW (W)	825	-	488897 243210
7	<p>Contemporary Trade Directory Entries</p> <p>Name: Heidenhain Location: 16, Plover Close, Interchange Park, Newport Pagnell, Buckinghamshire, MK16 9PS Classification: Engineering Machine Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	D1SW (W)	825	-	488897 243210
7	<p>Contemporary Trade Directory Entries</p> <p>Name: Cfs (UK & Ireland) Ltd Location: 20, Plover Close, Interchange Park, Newport Pagnell, Buckinghamshire, MK16 9PS Classification: Machinery - Industrial & Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	D1SW (NW)	860	-	488922 243235
7	<p>Contemporary Trade Directory Entries</p> <p>Name: Convenience Food Systems Location: 20, Plover Close, Interchange Park, Newport Pagnell, Buckinghamshire, MK16 9PS Classification: Machinery - Industrial & Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	D1SW (NW)	860	-	488922 243235
8	<p>Contemporary Trade Directory Entries</p> <p>Name: Elite Material Solutions Location: Unit 14, Cromwell Business Centre, Howard Way, Interchange Park, Newport Pagnell, Buckinghamshire, MK16 9QS Classification: Non-Ferrous Metals Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	D1SW (W)	848	-	488955 243189



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<p>Contemporary Trade Directory Entries</p> <p>Name: J A Sylvester Mechanical Services Ltd Location: Unit 16, Cromwell Business Centre, Howard Way, Interchange Park, Newport Pagnell, MK16 9QS Classification: Mechanical Engineers Status: Active Positional Accuracy: Automatically positioned to the address</p>	D1SW (W)	859	-	488960 243199
8	<p>Contemporary Trade Directory Entries</p> <p>Name: Zumbach Electronics Location: Unit 22/24, Cromwell Business Centre, Howard Way, Interchange Park, Newport Pagnell, Buckinghamshire, MK16 9QS Classification: Machinery - Industrial & Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	D1SW (NW)	859	-	488945 243213
8	<p>Contemporary Trade Directory Entries</p> <p>Name: Zumbach Electronics Ltd Location: Unit 22, Cromwell Business Centre, Howard Way, Interchange Park, Newport Pagnell, Buckinghamshire, MK16 9QS Classification: Electronic Engineers Status: Active Positional Accuracy: Automatically positioned to the address</p>	D1SW (NW)	859	-	488945 243213
8	<p>Contemporary Trade Directory Entries</p> <p>Name: Pfeiffer Vacuum Ltd Location: Unit 2, Cromwell Business Centre, Howard Way, Interchange Park, Newport Pagnell, Buckinghamshire, MK16 9QS Classification: Machinery - Industrial & Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	D1SW (NW)	886	-	488964 243232
8	<p>Contemporary Trade Directory Entries</p> <p>Name: Pfeiffer Vacuum Location: Unit 2/4, Cromwell Business Centre, Howard Way, Interchange Park, Newport Pagnell, Buckinghamshire, MK16 9QS Classification: Scientific Apparatus & Instruments - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	D1SW (NW)	886	-	488964 243232
8	<p>Contemporary Trade Directory Entries</p> <p>Name: Amber Printwork Location: Unit 2, Cromwell Business Centre, Howard Way, Interchange Park, Newport Pagnell, MK16 9QS Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address</p>	D1SW (NW)	891	-	488967 243237
8	<p>Contemporary Trade Directory Entries</p> <p>Name: Schunk Intec Ltd Location: Unit 10, Cromwell Business Centre, Howard Way, Interchange Park, Newport Pagnell, MK16 9QS Classification: Automation Systems & Equipment Status: Active Positional Accuracy: Automatically positioned to the address</p>	D1SW (NW)	891	-	488988 243217
8	<p>Contemporary Trade Directory Entries</p> <p>Name: D J B Labcare Location: Unit 12, Cromwell Business Centre, Howard Way, Interchange Park, Newport Pagnell, MK16 9QS Classification: Laboratory Equipment, Instruments & Supplies Status: Active Positional Accuracy: Automatically positioned to the address</p>	D1SW (N)	893	-	488994 243213
9	<p>Contemporary Trade Directory Entries</p> <p>Name: Nampak Liquid Foods Location: Jenna Way, Interchange Park, Newport Pagnell, Buckinghamshire, MK16 9QJ Classification: Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	D1SW (N)	981	-	489024 243307
9	<p>Contemporary Trade Directory Entries</p> <p>Name: Nampak Location: Jenna Way, Interchange Park, Newport Pagnell, Buckinghamshire, MK16 9QJ Classification: Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	D1SW (N)	981	-	489024 243307



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<p>Contemporary Trade Directory Entries</p> <p>Name: Nampak Liquid Foods Location: Jenna Way, Interchange Park, Newport Pagnell, Buckinghamshire, MK16 9QJ Classification: Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	D1SW (N)	981	-	489024 243307
9	<p>Contemporary Trade Directory Entries</p> <p>Name: Nampak Plastics Location: Jenna Way, Interchange Park, Newport Pagnell, Buckinghamshire, MK16 9QJ Classification: Plastic Products - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address</p>	D1SW (N)	981	-	489024 243307
10	<p>Points of Interest - Commercial Services</p> <p>Name: Sunrider Europe Location: 14 Plover Close, Interchange Park, Newport Pagnell, MK16 9PS Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location</p>	D1SW (W)	791	5	488872 243187
10	<p>Points of Interest - Commercial Services</p> <p>Name: Milton Keynes Pest Control Ltd Location: 242 Interchange House Business Centre, Howard Way, Interchange Park, Newport Pagnell, MK16 9PY Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location</p>	D1SW (W)	809	5	488930 243159
11	<p>Points of Interest - Manufacturing and Production</p> <p>Name: Bucks Biz Business Centres Location: Interchange Business Centre, Howard Way, Interchange Park, Newport Pagnell, MK16 9PY Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location</p>	D1SW (SW)	813	5	488941 243153



Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Nitrate Vulnerable Zones Name: Great Ouse Nvz Description: Surface Water Source: Environment Agency, Head Office	D1SW (SE)	0	3	489003 243184
13	Nitrate Vulnerable Zones Name: Bedford Great Oolite Description: Groundwater Source: Environment Agency, Head Office	(NW)	987	3	488754 243777



Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Central Bedfordshire Council - Environmental Health Department Mid Bedfordshire District Council (now part of Central Bedfordshire Council) - Environmental Health Department Milton Keynes Council - Environmental Health Division	January 2020 July 2008 October 2015	Annually Not Applicable Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	October 2019	Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - Anglian Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	October 2019	Quarterly
Local Authority Integrated Pollution Prevention And Control Mid Bedfordshire District Council (now part of Central Bedfordshire Council) - Environmental Health Department Milton Keynes Council - Environmental Health Department Central Bedfordshire Council - Environmental Health Department	December 2008 June 2016 November 2014	Not Applicable Variable Variable
Local Authority Pollution Prevention and Controls Mid Bedfordshire District Council (now part of Central Bedfordshire Council) - Environmental Health Department Milton Keynes Council - Environmental Health Department Central Bedfordshire Council - Environmental Health Department	December 2008 June 2016 November 2014	Not Applicable Not Applicable Annually
Local Authority Pollution Prevention and Control Enforcements Mid Bedfordshire District Council (now part of Central Bedfordshire Council) - Environmental Health Department Milton Keynes Council - Environmental Health Department Central Bedfordshire Council - Environmental Health Department	December 2008 June 2016 November 2014	Not Applicable Variable Variable
Nearest Surface Water Feature Ordnance Survey	November 2019	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - Anglian Region	June 2016	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Central Area	October 2019	Quarterly
Water Abstractions Environment Agency - Anglian Region	October 2019	Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified



Agency & Hydrological	Version	Update Cycle
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	October 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2019	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2019	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	November 2019	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	November 2019	Quarterly
Flood Defences Environment Agency - Head Office	November 2019	Quarterly
OS Water Network Lines Ordnance Survey	October 2019	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water Suitability Environment Agency - Head Office	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 Environment Agency - Head Office	October 2019	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Central Area	November 2019	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Central Area	October 2019	Quarterly
Local Authority Landfill Coverage Bedfordshire County Council (now part of Central Bedfordshire Council) Mid Bedfordshire District Council (now part of Central Bedfordshire Council) - Environmental Health Department Milton Keynes Council - Planning and Transport Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Bedfordshire County Council (now part of Central Bedfordshire Council) Mid Bedfordshire District Council (now part of Central Bedfordshire Council) - Environmental Health Department Milton Keynes Council - Planning and Transport Department	May 2000 May 2000 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 - Anglian Region - Central Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Central Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Central 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 Central Bedfordshire Council - Planning Department Milton Keynes Council - Planning and Transport Department Bedfordshire County Council (now part of Central Bedfordshire Council) Mid Bedfordshire District Council (now part of Central Bedfordshire Council)	February 2016 February 2016 July 2008 May 2008	Variable Variable Annual Rolling Update Not Applicable
Planning Hazardous Substance Consents Central Bedfordshire Council - Planning Department Milton Keynes Council - Planning and Transport Department Bedfordshire County Council (now part of Central Bedfordshire Council) Mid Bedfordshire District Council (now part of Central Bedfordshire Council)	February 2016 February 2016 July 2008 May 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	October 2019	Quarterly
Fuel Station Entries Catalist Ltd - Experian	December 2019	Quarterly
Gas Pipelines National Grid	July 2014	
Points of Interest - Commercial Services PointX	December 2019	Quarterly
Points of Interest - Education and Health PointX	December 2019	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2019	Quarterly
Points of Interest - Public Infrastructure PointX	December 2019	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2019	Quarterly
Underground Electrical Cables National Grid	December 2015	



Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2018	Bi-Annually
Areas of Adopted Green Belt Mid Bedfordshire District Council (now part of Central Bedfordshire Council) - Environmental Health Department Milton Keynes Council - Planning and Transport Department Central Bedfordshire Council - Planning Department	February 2020 February 2020 May 2011	As notified As notified As notified
Areas of Unadopted Green Belt Mid Bedfordshire District Council (now part of Central Bedfordshire Council) - Environmental Health Department Milton Keynes Council - Planning and Transport Department Central Bedfordshire Council - Planning Department	February 2020 February 2020 May 2011	As notified As notified As notified
Areas of Outstanding Natural Beauty Natural England	June 2019	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	March 2019	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	July 2019	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	April 2019	Bi-Annually
Sites of Special Scientific Interest Natural England	March 2019	Bi-Annually
Special Areas of Conservation Natural England	June 2019	Bi-Annually
Special Protection Areas Natural England	April 2019	Bi-Annually



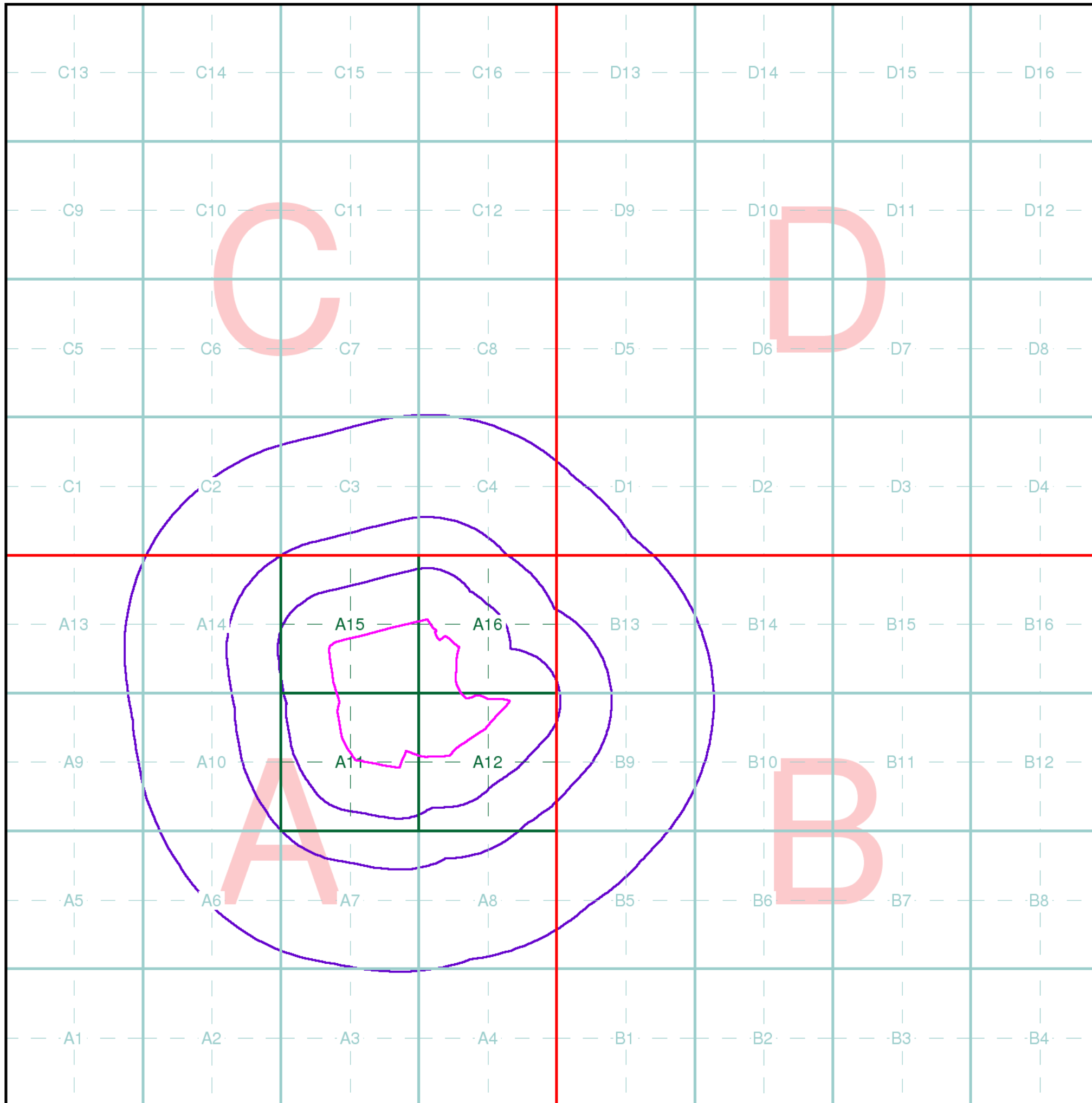
A selection of organisations who provide data within this report

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	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	Milton Keynes Council - Planning and Transport Department PO Box 125, Civic Offices, 1 Saxon Gate East, Milton Keynes, Buckinghamshire, MK9 3ZJ	Telephone: 01908 691691 Fax: 01908 252211 Website: www.miltonkeynes.gov.uk
5	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
6	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.



ROLTON GROUP
ENGINEERING THE FUTURE

Index Map

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

Slice

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

Segment

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

Quadrant

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Ms T Mehew, Rolton Group, The Charles Parker Building, Midland Road, Higham Ferrers, Northamptonshire, NN10 8DN

Order Details

Order Number: 233646892_1_1
Customer Ref: 19-0021
National Grid Reference: 488100, 242340
Site Area (Ha): 40.3
Search Buffer (m): 1000

Site Details

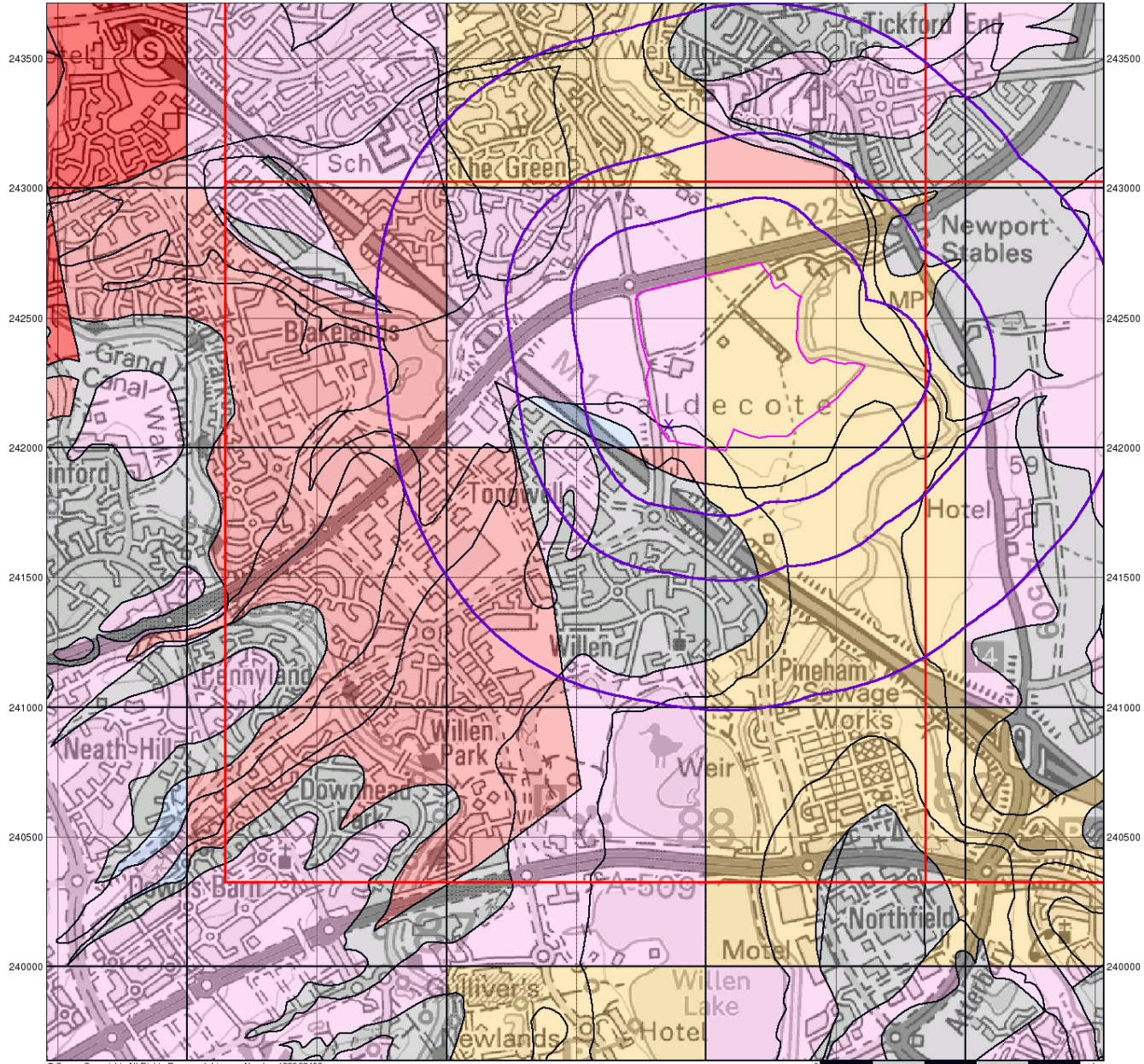
Land off Willen Road, Newport Pagnell, Buckinghamshire, MK16 0FE

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485500 486000 486500 487000 487500 488000 488500 489000 489500



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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

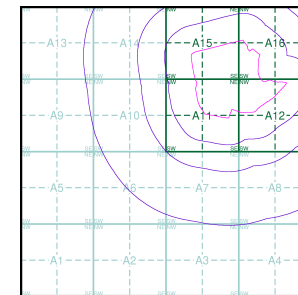
Superficial Aquifers

- 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 A



Order Details

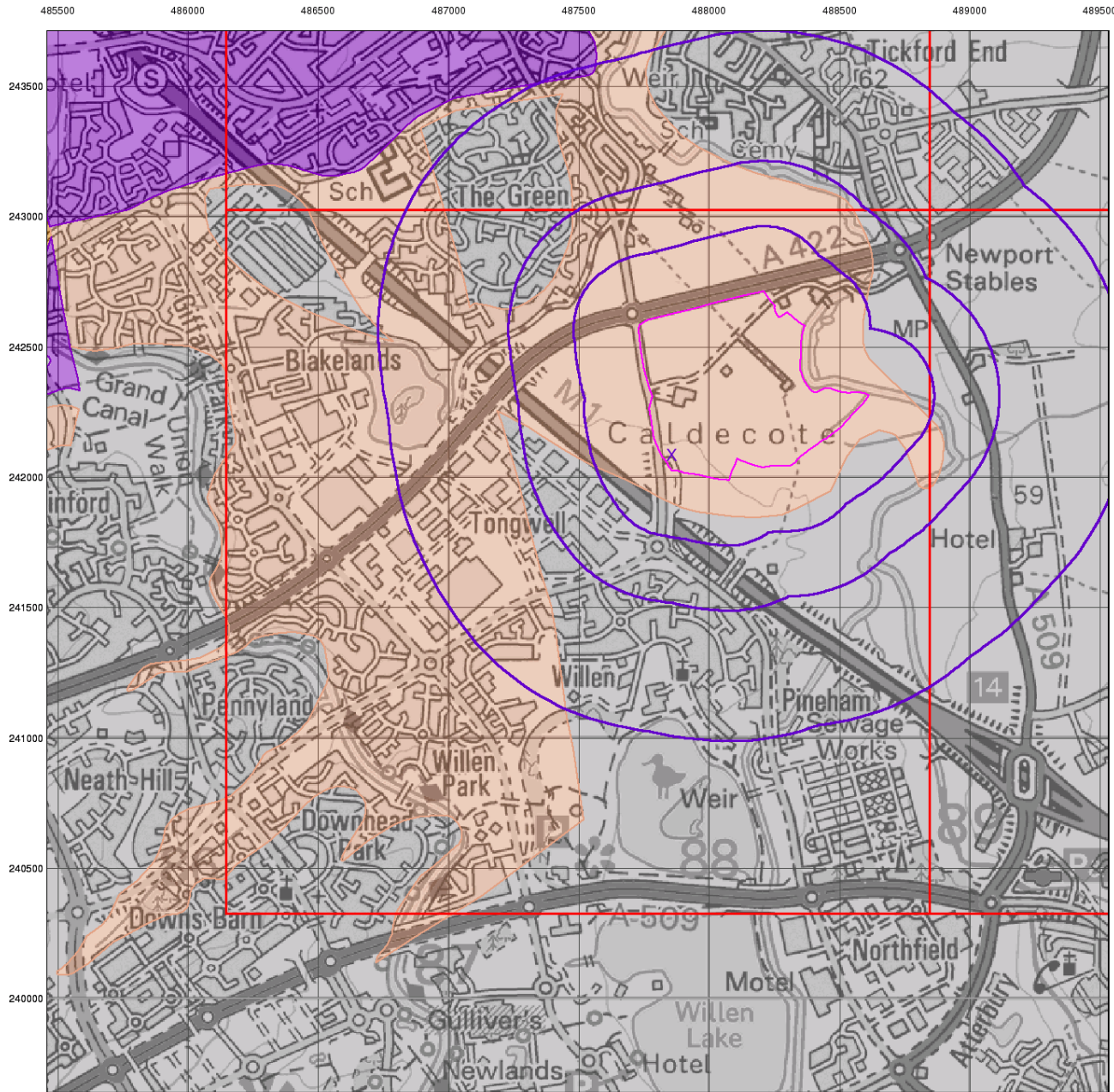
Order Number: 233646892_1_1
 Customer Ref: 19-0021
 National Grid Reference: 487860, 242090
 Slice: A
 Site Area (Ha): 40.3
 Search Buffer (m): 1000

Site Details

Land off Willen Road, Newport Pagnell, Buckinghamshire, MK16 0FE

Landmark
INFORMATION GROUP

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Bedrock Aquifer Designation

General

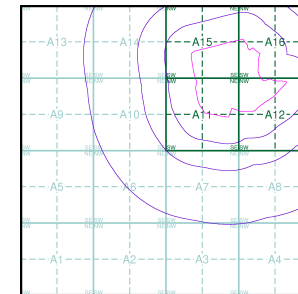
- ▭ Specified Site
- ▭ Specified Buffer(s)
- X Bearing Reference Point
- ▭ Slice
- B Map ID

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 A



Order Details

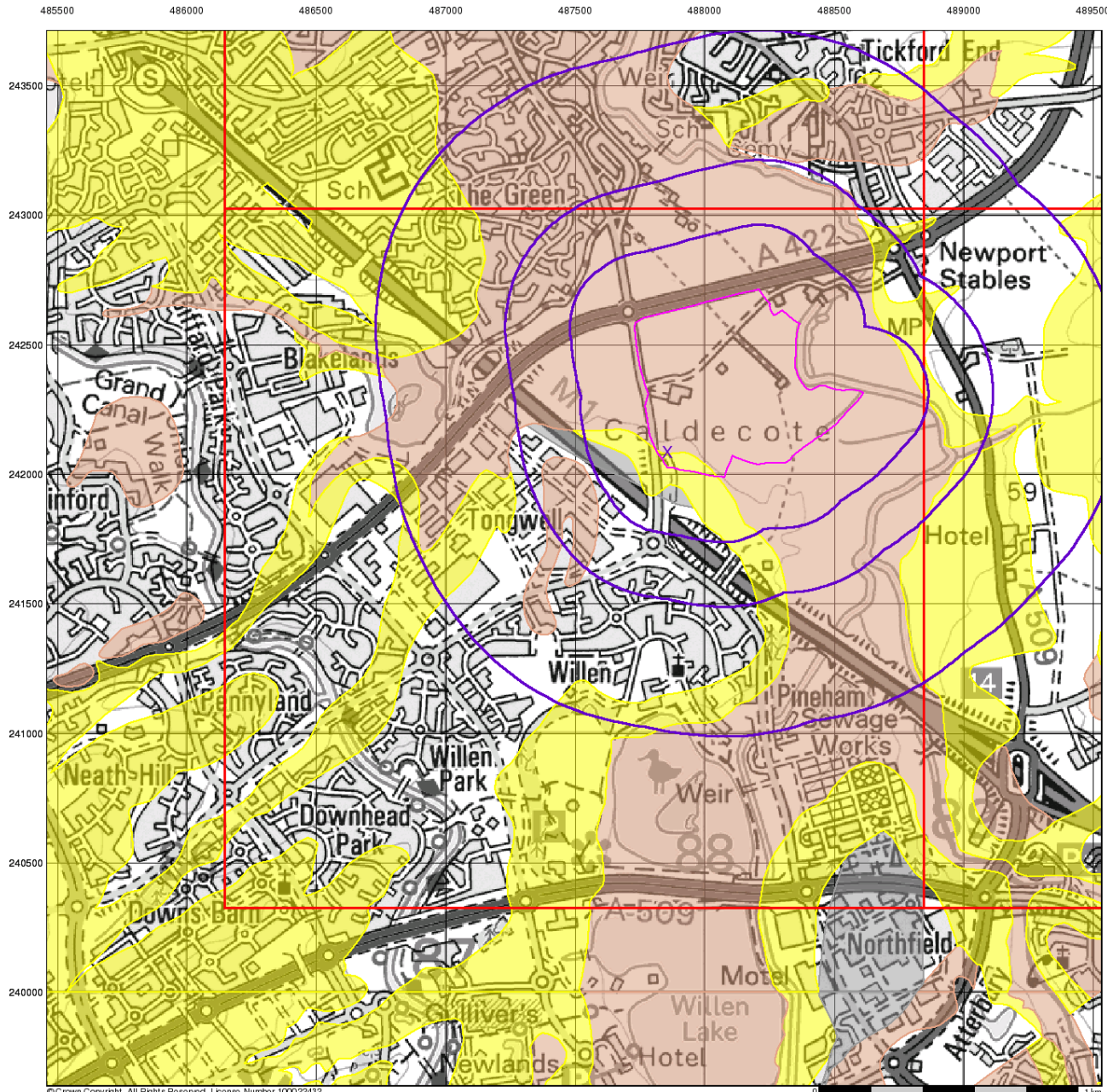
Order Number: 233646892_1_1
 Customer Ref: 19-0021
 National Grid Reference: 487860, 242090
 Slice: A
 Site Area (Ha): 40.3
 Search Buffer (m): 1000

Site Details

Land off Willen Road, Newport Pagnell, Buckinghamshire, MK16 0FE

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Superficial Aquifer Designation

General

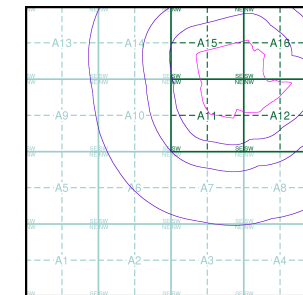
- ◊ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

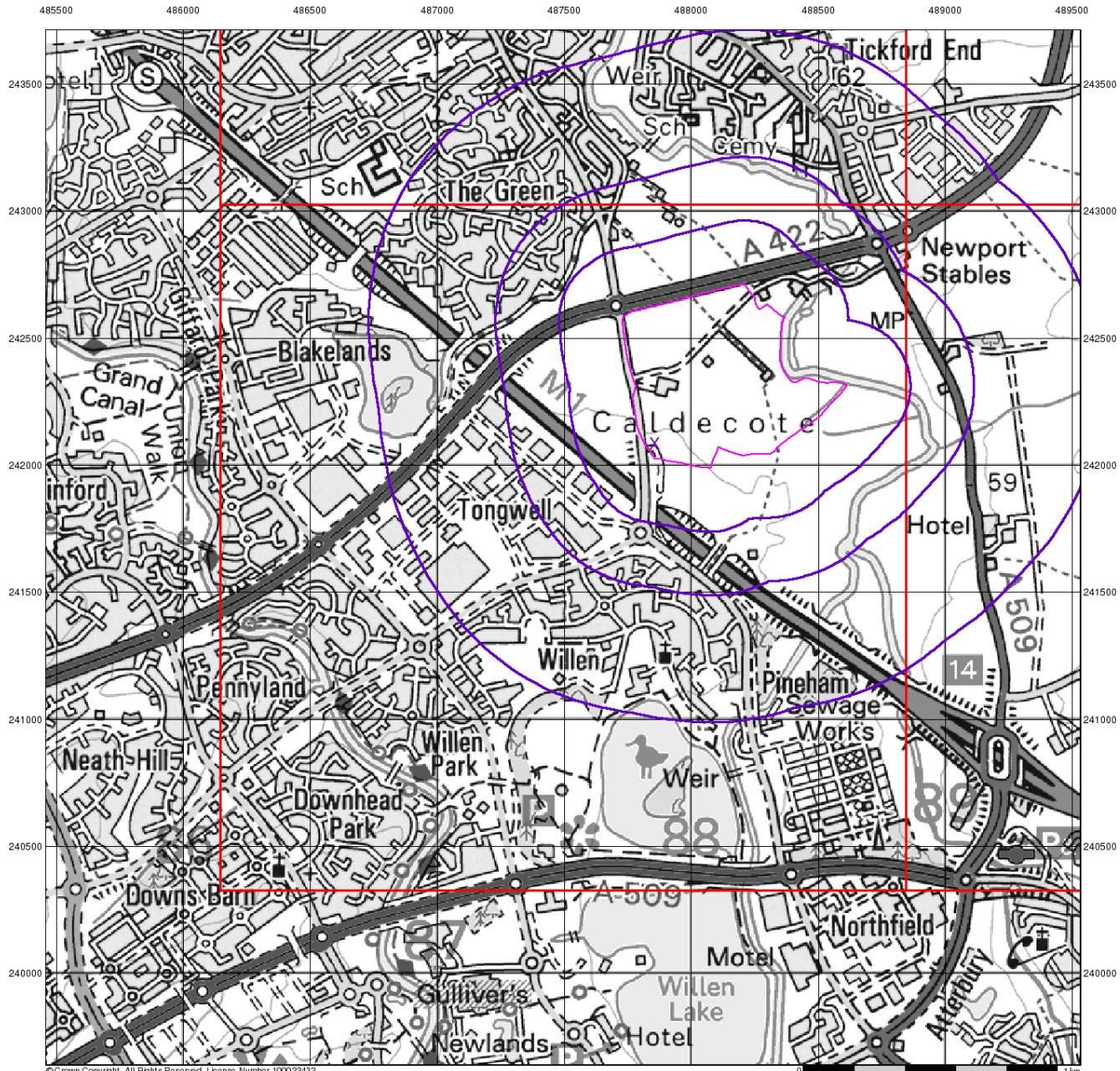
Order Number: 233646892_1_1
 Customer Ref: 19-0021
 National Grid Reference: 487860, 242090
 Slice: A
 Site Area (Ha): 40.3
 Search Buffer (m): 1000

Site Details

Land off Willen Road, Newport Pagnell, Buckinghamshire, MK16 0FE

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ROLTON GROUP
ENGINEERING THE FUTURE

Source Protection Zones

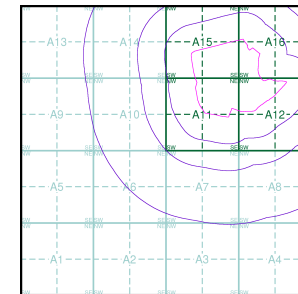
General

- ◊ 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 A



Order Details

Order Number: 233646892_1_1
 Customer Ref: 19-0021
 National Grid Reference: 487860, 242090
 Slice: A
 Site Area (Ha): 40.3
 Search Buffer (m): 1000

Site Details

Land off Willen Road, Newport Pagnell, Buckinghamshire, MK16 0FE

Landmark
INFORMATION GROUP

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