

Birmingham City Council

Level 1 Strategic Flood Risk Assessment



Update January 2012



Birmingham City Council

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Glossary

Term	Meaning / Definition
Annual Exceedance Probability (AEP)	The probability that there will be a <i>flood event</i> exceeding a particular severity in any given year
Aquifer	A source of groundwater comprising water-bearing rock, sand or gravel capable of yielding significant quantities of water
British Waterways	British Waterways is the organisation responsible for 2200 miles of Britain's canals and rivers
Brownfield site	Any land or site that has been previously developed
Catchment	An area of land that contributes flow to a particular point
Catchment Flood Management Plan (CFMP)	A strategic planning tool through which the <i>Environment Agency</i> seeks to work with other key decision-makers within a river catchment to identify and agree policies for sustainable flood risk management
Climate Change	Long-term variations in global temperature and weather patterns both natural and as a result of human activity (anthropogenic) such as greenhouse gas emissions
Core Strategy	Development plan document which sets the long-term spatial planning vision and objectives for the area. It contains a set of strategic policies that are required to deliver the vision including the broad approach to development.
Culvert	A structure which fully contains a watercourse as it passes through an embankment or below ground.
Department for Environment, Food and Rural Affairs (Defra)	Government Agency responsible for policy and regulations on the environment, food and rural affairs
Development	The undertaking of building, engineering, mining or other operations in, on, over or under land or the making of any material change in the use of any buildings or other land
Development Plan	As set out in Section 38(6) of the Planning and Compulsory Purchase Act (2004), an authority's development plan consists of the relevant regional spatial strategy (or the spatial development strategy in London) and the development plan documents contained within its local development framework.
DG5 Register	A water-company held register of properties which have experienced sewer flooding (either internal or external flooding) due to hydraulic overload, or properties which are 'at risk' of sewer flooding more frequently than once in 20 years.
Digital Terrain Model	A digital representation of a topographic ground surface
Discharge	Rate of flow of water
Drainage Area Plan (DAP)	A comprehensive assessment of a sewer system's performance and condition made by the water company. It generally includes a hydraulic model of the foul, combined and some surface water sewers. It also proposes sewerage improvements or repairs to achieve desired levels of service (e.g. the alleviation of DG5 sewer flooding properties)

Term	Meaning / Definition
Emergency Planning	Planning for, and response, to emergencies such as flooding. This includes consideration of the resilience of emergency infrastructure that will need to operate during flooding.
Environment Agency	Government Agency responsible for flooding issues from main river, and strategic overview of flooding
Exception Test	A requirement within <i>PPS 25</i> that requires justification for a development application within <i>Flood Zones 2 & 3</i>
Flood event	A flooding incident usually in response to severe weather or a combination of flood generating characteristics
Flood Probability	The estimated probability of a flood of given magnitude occurring or being exceeded in any specified time period expressed as a <i>return period</i> or <i>Annual Exceedance Probability (AEP)</i>
Flood Risk	The combination of the <i>flood probability</i> and the magnitude of the potential consequences of the <i>flood event</i>
Flood Risk Assessment	An appraisal of the <i>flood risks</i> that may affect <i>development</i> or increase <i>flood risk</i> elsewhere
Flood Risk Vulnerability	The vulnerability classification used to assess which land use is appropriate in each <i>Flood Zone</i> . For further information, refer to <i>Table D.2 in PPS 25</i>
Flood Storage	The temporary storage of <i>floodwater</i>
Flood Zones	Flood Zones provide a general indication of flood risk, mainly used for spatial planning
Floodplain	An area of land that would naturally flood from a watercourse, an estuary or the sea
Floods and Water Management Act	The Floods and Management Water Act clarifies the legislative framework for managing surface water flood risk in England
Floodwater	Excess <i>runoff</i> that cannot be stored or conveyed safely
Fluvial Flooding	Flooding caused by a river
Formal Flood Defence	Infrastructure that is intended to protect an area against flooding and to offer a specified <i>standard of protection (SOP)</i>
Freeboard	A vertical distance that allows for a margin of safety to account for uncertainties
Functional Floodplain	Land where water has to flow or be stored in times of flood. It includes the land which would flood with an annual exceedance probability of 1 in 20 (5%) or greater in any year or is designed to flood in an extreme (0.1%) flood, or at another probability to be agreed between the <i>Local Planning Authority</i> and the <i>Environment Agency</i> .
Future Water	The Government's water strategy for England, Future Water was published in February 2008 and sets out the Government's long-term vision for water and the framework for water management in England
Greenfield	Undeveloped land
Greenfield Runoff Rate	The rate of runoff which would occur from a site that was undeveloped and undisturbed

Term	Meaning / Definition
Groundwater	Water that exists beneath the ground in underground aquifers and streams
Groundwater Flooding	Flooding caused by groundwater rising and escaping due to sustained periods of higher than average rainfall (years) or a reduction in abstraction for water supply
Highway Authority	A local authority responsible for the maintenance and drainage of highways maintainable at public expense
Infiltration capacity	A soil characteristic determining or describing the maximum rate at which water can enter the soil
Informal Flood Defence	A structure that provides a flood defence function, but has not been built or maintained for this specific purpose (e.g. boundary wall)
Infrastructure Failure	Structural, hydraulic, geotechnical, mechanical or operational failure of infrastructure which normally retains, transmits or controls the flow of water.
Integrated Urban Drainage (IUD)	A holistic approach to managing urban drainage flooding
Internal Drainage Board (IDB)	Like a <i>local authority</i> , this is administrative unit responsible for operating and maintaining areas of special drainage need in England and Wales
JFLOW	A type of 2–Dimensional Hydraulic Model
LiDAR	Light Detection And Ranging is an airborne terrain mapping technique which uses laser pulses to measure the distance between the aircraft/satellite and the ground
Local Authority	An administrative unit of local government
Local Development Documents	Documents that set out the spatial strategy for local planning authorities which comprise development plan documents
Local Development Framework	Framework which forms part of the statutory development plan and supplementary planning documents which expand policies in a development plan document or provide additional detail
Local Planning Authority	Body responsible for planning and controlling development, through the planning system.
‘Making Space for Water’ (MSfW)	A cross Government programme launched in 2004 to take forward the developing strategy for flood and coastal erosion risk management in England, so as to: a) reduce the threat to people and their property; b) to deliver the greatest environmental, social and economic benefit, consistent with the Government’s sustainable development principles, c) to secure efficient and reliable funding mechanisms that deliver the levels of investment required.
Main River	A watercourse designated on a statutory map of Main rivers, maintained by Department for Environment, Food and Rural Affairs (<i>Defra</i>).
Mitigation measure	A generic term used in this guide to refer to an element of <i>development</i> design which may be used to manage <i>flood risk</i> to the <i>development</i> , or to avoid an increase in <i>flood risk</i> elsewhere.
Model	A representation of the environment. This is often undertaken using a computer software package that performs hydraulic calculations, but can also be undertaken by constructing a physical representation of an environment.

Term	Meaning / Definition
National River Flow Archive (NRFA)	Provides stewardship for, and access to, records of over 50,000 individual years of daily and monthly river flow data, deriving from over 1,300 gauging stations. These hydrological data underpin the sustainable exploitation and management of water resources and river systems in the UK.
Office of Water Services (Ofwat)	The economic regulator of the water and sewerage companies in England and Wales
Ordinary watercourse	A river, stream or <i>watercourse</i> which has not been defined as a <i>Main River</i> . It is subject to control and maintenance (if required) by <i>local authorities</i> and/or <i>Internal Drainage Boards</i>
Overland Flooding	Flooding caused by surface water runoff when rainfall intensity exceeds the infiltration capacity of the ground, or when the soil is so saturated that rainfall cannot infiltrate
Overland Flow	Flooding caused by surface water runoff when rainfall intensity exceeds the infiltration capacity of the ground, or when the soil is so saturated that it cannot accept any more water.
Pitt Review	An independent review of the 2007 summer floods by Sir Michael Pitt, which provided recommendations to improve flood risk management in England
Planning Policy Statements	The Government's updated planning advice contained within Planning Policy Guidance (PPGs)
Pluvial Flooding	'Pluvial' flooding (or surface runoff flooding) is caused by rainfall and is that flooding which occurs due to water ponding on or flowing over the surface before it reaches a drain or watercourse.
Redevelopment	The construction of new <i>development</i> on land which is, or has been, developed (<i>brownfield</i>)
Regional Spatial Strategy	The regions policies in relation to the development and use of land forming part of the development plan for local planning authorities
Residual Risk	The risk that remains after all avoidance, reduction, and <i>mitigation measures</i> have been implemented
Return Period	A term used to express <i>flood probability</i> . It refers to the estimated average time between the occurrences of a hydrological event (<i>flood event</i>) of a given magnitude.
Runoff	<i>Overland flow</i> as well as rainfall that flows over an impermeable surface
Sequential Test	The risk based approach prescribed within <i>PPS 25</i> that aims to steer new <i>development</i> or redevelopment to areas at the lowest probability of flooding (<i>Flood Zone 1</i>). For further information, refer to <i>Appendix D of in PPS 25</i>
Sewerage Management Plans	A risk based approach to the assessment of a sewer system's performance and condition made by the water company. Hydraulic models are used to consider the consequence of a flooding or pollution event, not just the likelihood.
Sewer Flooding	Flooding caused by the blockage or overflowing of sewers from urban drainage systems
Source Protection Zone (SPZ)	Defined areas showing the risk of contamination to selected <i>groundwater</i> sources used for public drinking water supply

Term	Meaning / Definition
Standard of Protection (SOP)	It is the estimated probability of a <i>flood event</i> occurring which is more severe than that which an area is protected by <i>flood defences</i>
Strategic Flood Risk Assessment (SFRA)	A study to examine <i>flood risk</i> issues on a sub-regional scale, typically for a river <i>catchment</i> or <i>local authority</i> area during the preparation of a development plan.
Surface Water Flooding	Flooding caused by the combination of pluvial flooding, sewer flooding, flooding from open channels and culverted urban watercourses and overland flows from groundwater springs
Sustainability Appraisal (SA)	Tool for appraising policies to ensure they reflect sustainable development objectives (i.e. social, environmental and economic factors) and required in the act to be undertaken for all local development documents. It incorporates strategic environmental assessment.
Sustainable Development	<i>Development</i> that meets the needs of the present without compromising the ability of future generations to meet their own needs (The World Commission on Environment and Development, 1987)
Sustainable Drainage Systems (SUDS)	A sequence of management practices and control structures that are designed to drain surface water in a more sustainable manner.
Watercourse	Any natural or artificial channel that conveys surface water
Windfall Site	A site which comes forward and receives planning permission in a location which was not anticipated or allocated in the Local Plan for that purpose.

Abbreviations

Term	Meaning / Definition
AAP	Area Action Plan
AEP	Annual Exceedance Probability
BCC	Birmingham City Council
BGS	British Geological Society
BRG	Birmingham Resilience Group
BRT	Birmingham Resilience Team
BW	British Waterways
BWG	Birmingham Water Group
CEH	Centre for Ecology and Hydrology
CFMP	Catchment Flood Management Plan
CIRIA	Construction Industry Research and Information Association
CSO	Combined Storm Overflow
DAP	Drainage Area Plan
Defra	Department for Environment, Food and Rural Affairs
DG5	Director General Performance Measure 5
DPD	Development Plan Document
EA	Environment Agency
FRA	Flood Risk Assessment
FWD	Floodline Warnings Direct
LDD	Local Development Documents
LDF	Local Development Framework
LNR	Local Nature Reserve
LPA	Local Planning Authority
MSfW	Making Space for Water
NFCDD	National Flood and Coastal Defence Database
NHS	National Health Service
NNR	National Nature Reserve
NRFA	National River Flow Archive
NSRI	National Soils Research Institute
Ofwat	Office of Water Services
OS	Ordnance Survey
PPG	Planning Policy Guidance

Term	Meaning / Definition
PPS	Planning Policy Statement
PPS 25	Planning Policy Statement 25 – Development and Flood Risk
R&D	Research and Development
RFRA	Regional Flood Risk Appraisal
RPA	Return Period Analysis
RPB	Regional Planning Board
RPG11	Regional Planning Guidance for the West Midlands 11
RSS	Regional Spatial Strategy
SA	Sustainability Appraisal
SFRA	Strategic Flood Risk Assessment
SINC	Sites of Importance for Nature Conservation
SLINC	Sites of Local Importance for Nature Conservation
SMP	Sewerage Management Plan
SMURF	Sustainable Management of Urban Rivers and Floodplains
SPZ	Source Protection Zone
STW	Severn Trent Water
SUDS	Sustainable Drainage Systems
SWMP	Surface Water Management Plan
UDP	Unitary Development Plan

Executive Summary

Birmingham City Council in partnership with Atkins has produced this report as an update to the Level 1 Strategic Flood Risk Assessment (SFRA) published in January 2010. The report has been updated primarily due to a review of development sites by Birmingham City Council, however other updated information has been incorporated in the report including; revised flood zone outlines, new surface water mapping and changes to flood warnings.

The purpose of the SFRA is to assess and map all known sources of flood risk, including fluvial, surface water, sewer, groundwater and impounded water bodies, taking into account future climate change predictions, to allow the Council to use this as an evidence base to locate future development primarily in low flood risk areas. The outputs from the SFRA will also assist in preparing sustainable policies for the long-term management of flood risk.

Flooding is a natural process that can present a range of different risks depending on its form; it can shape the natural environment, threaten life and can cause substantial distress and damage to property. The severity of flooding can increase as a consequence of historic decisions about the location, design and nature of development and as a consequence of climate change. While flooding cannot be prevented, its impacts can be avoided and reduced through integrated planning and management. The SFRA aims to ensure that flood risk is a key planning considerations to help deliver sustainable development.

The SFRA is a tool which will inform the Council of the nature and extent of flood risk in the area. It will provide an important part of the evidence base for the preparation of the Local Development Framework and the Core Strategy. Furthermore the SFRA will provide useful information for the development of Surface Water Management Plans. It will also highlight the opportunities for the Council to assist in the reduction of flood risk by applying PPS25, promoting the use of SUDS and seeking opportunities for flood storage.

In accordance with PPS25 and its Practice Guide, areas of 'low', 'medium' and 'high' risk have been mapped using data on all sources of flooding from the Environment Agency, Birmingham City Council, Severn Trent Water and British Waterways. This has enabled the Sequential Test screening of sites to be applied to all sites within the 'high' and 'medium' risk fluvial Flood Zones and also enabled an assessment of the need for a Flood Risk Assessment to be undertaken where development sites are affected by other sources of flooding.

Where the need to apply the Exception Test is identified the scope of the SFRA should be widened to a Level 2 SFRA.

1. Background

1.1 General Overview

Birmingham City Council (BCC) in partnership with Atkins have produced this report as an update to the Level 1 Strategic Flood Risk Assessment (SFRA) published in January 2010. The report has been updated primarily due to a review of development sites by Birmingham City Council, however other updated information has been incorporated in the report including; revised flood zone outlines, new surface water mapping and changes to flood warnings.

This Strategic Flood Risk Assessment (SFRA) has been produced in accordance with Planning Policy Statement 25 (PPS 25) *Development and Flood Risk*^{1,2}. There has been close consultation with the Environment Agency (EA), Severn Trent Water (STW) and British Waterways (BW).

This should be considered to be a living document, subject to regular review in response to changing policy requirements, and improved understanding of flood risk that the planning authority should continually draw upon.

1.2 The Study Area

The study area is defined by BCC's administrative boundary of nearly 270km² which is located in the centre of the West Midlands region. This is the largest local authority in both the United Kingdom and Europe with a population of over 1 million (2006 estimate). Against this background, it is not surprising that much of the study area is urbanised and is neighboured by several other large conurbations, such as Solihull, Wolverhampton, Coventry and the towns of the Black Country. This large conurbation is made up of the following constituencies:

- Edgbaston;
- Erdington;
- Hall Green;
- Hodge Hill;
- Ladywood;
- Northfield;
- Perry Bar;
- Selly Oak;
- Sutton Coldfield; and
- Yardley.

1.3 Strategic Flood Risk Assessment Objectives

In accordance with the staged approach recommended in PPS 25^{1,2} (annex E paragraph E6), this SFRA is intended to be sufficiently detailed to achieve the key outputs required for a Level 1 assessment, while also forming the basis for the Level 2 SFRA. In particular, this first level of

¹ Department for Communities and Local Government (2010) – Planning Policy Statement 25: Development and Flood Risk.

² Department for Communities and Local Government (2009) – Development and Flood Risk a Practice Guide PPS 25

assessment should provide sufficient information for undertaking the Sequential Test, and identify where an Exception Test is required as well as:

- Enable the LPA to prepare appropriate policies for the management of flood risk within the Local Development Documents (LDD)
- Inform the Sustainability Appraisal so that flood risk is taken into account when considering options and preparing strategic land use policies
- Identify the level of detail required for site-specific Flood Risk Assessments (FRAs) in particular locations, and
- Enable LPAs to determine the acceptability of flood risk in relation to emergency planning capability.

If development sites cannot be located in accordance with the Sequential Test, the scope of the SFRA should be widened and captured in a second level of assessment (Level 2 SFRA).

1.4 Strategic Flood Risk Assessment Deliverables

Following the advice given in the Practice Guide to PPS 25², the key project outputs are a technical report and series of plans providing the following:

- An overview of existing planning policy relevant to Birmingham;
- Flood risk across the City;
- The location of any flood risk management measures, including infrastructure and the coverage of flood warning systems;
- The results of the application of the sequential test screening to the allocated development sites;
- Guidance on the preparation of FRAs for development sites;
- Guidance on the likely applicability of different Sustainable Drainage System (SUDS) techniques for managing surface water run-off at key development sites.

1.5 Sources of Flooding and Flood Probability

Flooding is a natural process that can present a range of different risks depending on its form. While flood practitioners and professionals define the risks presented by a form a flooding as an Annual Exceedance Probability (AEP), or with a return period flood, flooding arises due to different combinations of the sources, weather, rainfall patterns, local topography, the spatial distribution of development and infrastructure failure. However, whilst it is a natural process, every flood will have a different impact on people, property and the environment.

In accordance with PPS 25^{1,2} this SFRA considers all sources of flooding relevant for the study area including, but not strictly limited to,

- Fluvial;
- Sewer;
- Surface water; and
- Groundwater

The glossary provides a definition of these sources of flooding, and PPS25^{1,2} (Annex C) and Construction Industry Research and Information Association (CIRIA) C624³ (Part A) provide an excellent overview of the forms of flooding that should be referred to for a fuller appreciation.

Infrastructure failure including canal and reservoir breach is not included as part of this study, this will be considered as part of the Level 2 SFRA.

1.6 Flood Risk Management Philosophy

From the mid 1990s onwards there has been a gradual shift away from the control of a flood hazard (Flood Defence) towards managing flood risks through influencing vulnerable societies given that the risk is essentially caused by humans and their activities⁴. PPS 25^{1,2} reaffirms the adoption of a risk based approach to flooding by following a hierarchy in all stages of the planning process. Avoidance/prevention is always the first measure, followed by substitution, control and finally mitigation.

Table 1.1 below taken from PPS 25² summarises how the spatial planning process should do this. The outcome should be a strategic approach to flood risk management at all levels following the flood risk management hierarchy so that a sequential approach is applied to the location of new development.

Flood Risk Management Stage	What it means	How the planning system deals with it	Who is responsible
Assess	Undertake studies to collect data at the appropriate scale and level of detail to understand what the flood risk is.	Regional Flood Risk Appraisals (RFRAs), Strategic Flood Risk Assessments (SFRAs), Flood Risk Assessments (FRAs) and application of the sequential approach.	Planning bodies and developers.
Avoidance/Prevention	Allocate developments to areas of least flood risk and apportion development types vulnerable to the impact of flooding to areas of least risk.	Use the Sequential approach (including the Sequential Test and Exception Test where relevant) to locate development in appropriate locations. At the plan level, the Sustainability Appraisal should show how flood risk has been weighted against other sustainability criteria.	Planning bodies and developers.
Substitution	Substitute less vulnerable development types for those incompatible with the degree of flood risk.		Planning bodies and developers.
Control	Implement flood risk management measures to reduce the impact of new development on flood frequency and use appropriate design.	Use River Basin Management Plans (RBMPs), Catchment Flood Management Plans (CFMPs), Shoreline Management Plans (SMPs), Surface Water Management Plans (SWMPs), Flood Risk Management Strategies, appraisal, design and implementation of flood defences.	Planning bodies, Environment Agency and other flood and coastal defence operating authorities, developers and sewerage undertakers. Developers are responsible for design of new developments.
Mitigation	Implement measures to mitigate residual risks.	Flood risk assessments. Incorporating flood resistance and resilience measures. Emergency Planning Documents. Implementation of flood warning and evacuation procedures.	Planning bodies, emergency planners, developers, the Environment Agency, other flood and coastal defence operating authorities and sewerage undertakers.

Table 1.1 – Overview of how the spatial planning process can manage flood risk strategically²

³ Construction Industry Research and Information (CIRIA)(2004) – CIRIA C624 – “Development and Flood Risk - Guidance for the Construction Industry”

⁴ Alphan, J. v., Beek, E. v., and Taal, M. (2006) – Floods, from Defence to Management: Symposium Proceedings (1st Edition), Taylor & Francis.

2. SFRA Methodology

2.1 Introduction

This chapter describes the methodology adopted to undertake the Strategic Flood Risk Assessment for Birmingham City. This SFRA is intended to be sufficiently detailed to achieve the key outputs required within PPS 25^{1,2} for a Level 1 assessment, while also forming the basis for the Level 2 SFRA. It is important to stress that it should be considered to be a living document, subject to regular review in response to changing policy requirements, and improved understanding of flood risk that the planning authority should continually draw upon. The objectives of this phase of the SFRA are outlined in section 1.3.

2.2 Approach

The main tasks which were undertaken for this Level 1 SFRA are outlined below, together with the report structure:

2.2.1 Chapter 3: Planning and Flood Risk Policy Review

This chapter reviews a range of planning policy documents related to flood risk, including national, regional and local policy relevant to BCC.

2.2.2 Chapter 4: Flood Risk Strategies for Planning Review

This chapter reviews the flood risk strategies that have already been developed to support the planning policies discussed in Chapter 3.

2.2.3 Chapter 5: Approach to Data Gathering

This chapter outlines the approach used to data gathering and provides an overview of the type of data which has been gathered.

2.2.4 Chapter 6: The Study Area

This chapter provides an overview of Birmingham's geography, geology, the hydrological regime.

2.2.5 Chapter 7: Flood Risk Management Measures

This chapter outlines the existing and potential flood risk management measures within Birmingham.

2.2.6 Chapter 8: Flood Hazard and Probability

This chapter provides an overview of the flood hazard and probability for Birmingham; this has been undertaken on a constituency by constituency basis, due to the vast size of the BCC administrative boundary and the number of potential sites within Birmingham for regeneration and development. Although PPS 25^{1,2} advocates that SFRA's should be undertaken through a catchment based approach, the approach used for this first phase of the SFRA was adopted because it was envisaged that the outputs would be more user friendly.

2.2.7 Chapter 9: The Sequential Test and Assessment of Flood Risk from Other Sources

This chapter outlines the application and results of the Sequential Test based on fluvial flood risk for all of the developments sites identified in Birmingham. It also assesses the risk of flooding to each site from all other sources and identifies where a FRA should be undertaken.

2.2.8 Chapter 10: Guidance for Developers

This chapter provides advice for developers, it explains how this SFRA should be used and provides guidance on site specific FRAs. It also details how mitigation measures can be used on developments to reduce the residual flooding risk.

2.2.9 Chapter 11: Guidance for Application of SUDS

This chapter provides an overview of existing SUDS policies and recommendations; outlines possible SUDS techniques and provides specific guidance for developments in Birmingham.

2.3 Summary and Recommendations

A summary and set of recommendations are provided at the end of the report highlighting whether there is a need for a Level 2 Assessment.

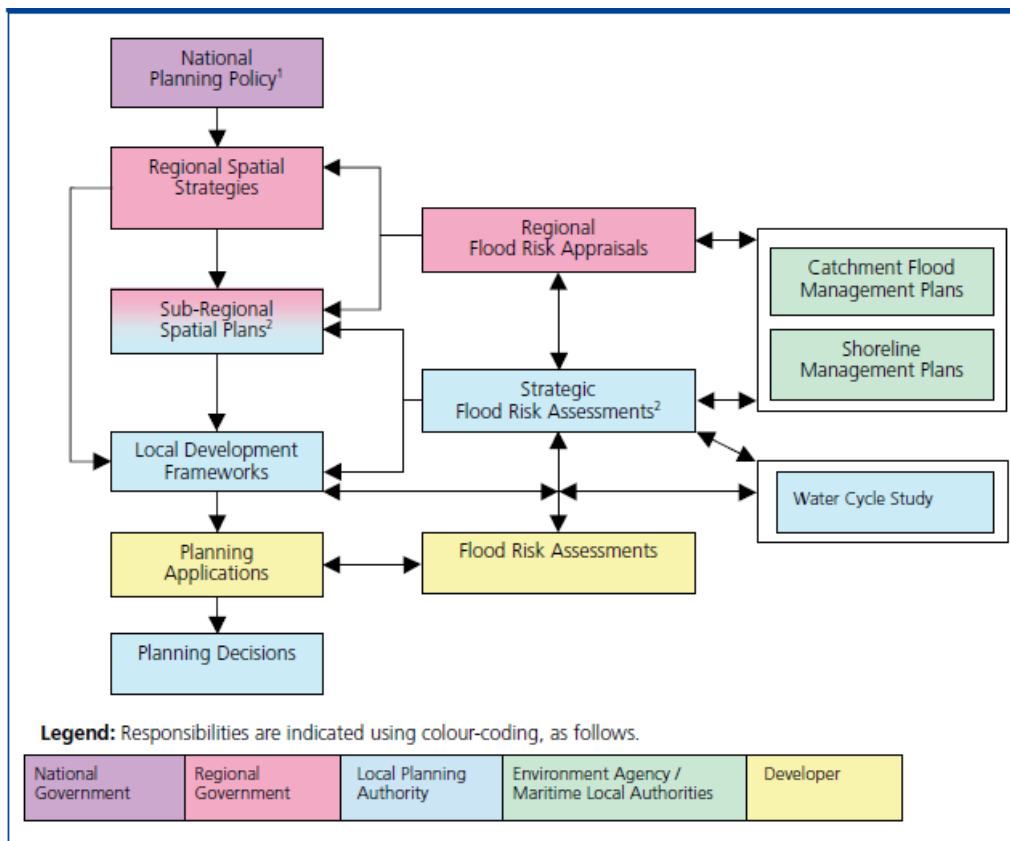
3. Planning and Flood Risk Policy Context

3.1 Introduction

There are a range of planning policy documents related to flood risk, including national, regional and local policy relevant to the Birmingham City Council. PPS25^{1,2} provides the key policy focus, but regional and local policy in the form of development plans and other similar documents support this national guidance, these policies are reviewed below.

3.2 National Planning Policy

The Government’s National Planning Policy plays a key role in shaping the direction in which Regional Planning Boards (RPBs) and Local Planning Authorities (LPAs) prepare and implement their Regional Spatial Strategies (RSS), Local Development Frameworks (LDF) and other planning documents. Figure 3.1 below (provided in PPS25²) illustrates how key planning documents interact with the Strategic Flood Risk Assessment, as well as other key strategies for managing flood risk that are discussed in subsequent sections.



Notes

1 Including Planning Policy Statement 25 'Development and Flood Risk' and the other flooding-related national planning policies listed in Appendix A of this Practice Guide.

2 SFRA's may cover more than one LPA, and the adoption of a catchment-based approach by a number of LPAs working in partnership could be highly beneficial.

3 This diagram has been developed from the original within *Flood Risk Assessment Guidance for New Development Phase 2 R&D technical report FD2320/TR2* (Defra and EA, 2005).

Figure 3.1 – Key Documents in the Spatial Planning Process and their Links with Key Flood Risk Strategies (provided in PPS25²)

3.2.1 Flood Risk Planning Policy Statements

The Government's national policies of land use planning in England are contained within Planning Policy Statements (PPS) which have largely replaced the previous set of Planning Policy Guidance (PPG) documents.

The key Planning Policy Statement which has been instrumental in bringing forward SFRAs is Planning Policy Statement 25: *Development and Flood Risk* (PPS25)^{1,2}. Other key statements which have influenced the scope of this SFRA include PPS1⁵ and PPS3⁶. The key principles promoted by these statements are described in the following sections.

3.2.1.1 Planning Policy Statement 1 – *Delivering Sustainable Development*⁵

PPS1⁵ sets out the Government's aims and objectives for delivering sustainable development, for current and future generations. One of the key principles set out in PPS1⁵ is to ensure that sustainability is considered for the life time of new development by taking due account of the physical environment and the impacts of climate change.

The key to delivering sustainable development is centred at the planning and design stages. PPS1⁵ encourages LPAs to consider all aspects of the physical environment when identifying land for development. In particular, when preparing development plans, LPAs should identify the potential impacts that natural hazards may pose to new development and as far as possible, avoid development in areas at risk of flooding and sea level rise. Should development in areas of flood risk be required to meet the wider objectives of sustainable development, PPS1⁵ supports the design of new development which accommodates natural hazards and the impacts of climate change to ensure the development is safe, sustainable, durable and adaptable.

3.2.1.2 Planning Policy Statement 3 – *Housing*⁶

PPS3⁶ sets out the national planning policy framework for delivering the Government's housing objectives. The policies set out in PPS3⁶ should be taken into account by LPAs and RPBs in the preparation of the Local Development Documents LDDs and RSSs. PPS3⁶ encourages LPAs to take account of the constraints of the physical environment and natural hazards, such as flooding, when identifying broad locations for housing development. PPS3⁶ also states that a key objective of LPAs should be to continue to make effective use of land by re-using sites that have been previously developed. In addition the policy states that the national annual target is that at least 60% of new housing is provided on previously developed land. However, the policy also recognises that LPAs and RPBs will need to consider sustainability issues for some sites as they may not be suitable for housing. A key example of where sustainability of previously developed land may need further consideration is where land is vulnerable to flood risk.

3.2.1.3 Planning Policy Statement 25 – *Development and Flood Risk*^{1,2}

Planning Policy Statement 25: *Development and Flood Risk*^{1,2} was published in 2006 to replace the former Planning Policy Guidance Note 25⁷ and sets out the Government's national policy of how positive planning at all levels can deliver appropriate sustainable development by taking full account of flood risk. It intends to ensure that flood risk is taken into account at all stages of the planning process to avoid inappropriate development in areas at risk of flooding, and to direct development away from areas at highest risk. However, where new development is necessary, the policy seeks to mitigate the risks of flooding and where possible, reduce the overall flood risk.

⁵ Department for Communities and Local Government (2006) – Planning Policy Statement 1: Delivering Sustainable Development

⁶ Department for Communities and Local Government (2006) – Planning Policy Statement 3: Housing

⁷ Department for Communities and Local Government (2001) – Planning Policy Guidance 25: Development and Flood Risk

PPS25^{1,2} follows the same guiding principles as PPG25⁷, with notable additions including;

- A more strategic planning approach to managing flood risk;
- Stronger guidance on Flood Risk Assessments, at all stages of the planning hierarchy;
- A clarified Sequential Test (refer to Annex D of PPS 25^{1,2});
- A new Exception Test, to account for instances where large developed areas have extensive areas within Flood Zones 2 and 3 and where a blanket ban on development would cause extensive social and economic blight (refer to Annex D of PPS25^{1,2}); and
- Clearer guidance on how to assess the impacts of climate change.

The Planning and Compulsory Purchase Act 2004 requires that a Sustainability Appraisal is undertaken for RSSs', Development Plan Documents (DPDs) and Supplementary Planning Documents. RPBs and LPAs are required under PPS25^{1,2} to prepare and to implement planning strategies that help deliver sustainable development. In developing their policies and strategies, RPBs and LPAs should work with the Environment Agency and other relevant operating authorities and stakeholders in appraising, managing and reducing flood risk. As part of this process, RPBs should prepare RFRA and LPAs should prepare SFRA as freestanding assessments to contribute to the Sustainability Appraisal of their plans. Aspects of the SFRA will then feed in to more detailed site specific FRAs.

PPS25^{1,2} compliments other national planning policies and should be read in conjunction with Government policies for flood risk and water management, including "Making Space for Water" (MSfW)⁸, "Future Water"⁹, "The Pitt Review"¹⁰, and the "Floods and Water Management Act"¹¹ and the Flood Risk Regulations¹².

The Need for a Strategic Flood Risk Assessment

"The Strategic Flood Risk Assessment is at the core of the PPS25 approach"² and should be considered to be a living document, subject to regular review in response to changing policy requirements, and improved understanding of flood risk that the planning authority should continually draw upon. PPS25 states that

"a Strategic Flood Risk Assessment (SFRA) should be carried out by the local planning authority to inform the preparation of its Local Development Documents, having regard to catchment-wide flooding issues which affect the area."¹

3.3 Regional Planning Policy

Regional planning policies provide the overarching framework for the preparation of the Local Development Framework and forms part of the statutory Development Plan. The Regional Planning Guidance for the West Midlands (RPG11)¹³ was published by the Government in June 2004 and is based on the premise that

"development should be encouraged to take place on previously developed land within the urban area and that development on greenfield sites should only be permitted where there is no alternative. Development on land within Green Belt will only be permitted in exceptional circumstances".

⁸ Defra (2005) – *Making Space for Water – Taking a New Governmental Strategy for Flood and Coastal Erosion Risk Management in England*, Defra

⁹ Defra (2008) – *Future Water – The Government's Water Strategy for England*, Defra

¹⁰ Pitt, M. (2008) – *Learning Lessons From the 2007 Summer Floods*, Cabinet Office, London

¹¹ House of Lords and House of Commons (2010) – *Flood and Water Management Act*,

¹² Statutory Instrument 2009 No. 3042, Environmental Protection, The Flood Risk Regulations 2009

¹³ Government Office for the West Midlands (2004) -Regional Planning Guidance for the West Midlands RPG11

Following the enactment of the Planning and Compulsory Purchase Act 2004, the RPG process was replaced by the requirement for Regional Planning authorities to prepare a Regional Spatial Strategy which would supersede the RPG.

3.3.1 Regional Spatial Strategy

Forming part of the statutory development plan, a key function of the Regional Spatial Strategy is to ensure that development is sustainable. The RSS¹⁴ for the West Midlands was published in 2008 and sets out the development vision for the region by 2021. It provides a framework for all development in the region, and sets priorities for dealing with identified regional and sub-regional issues such as environmental issues. The RSS also provides a spatial framework for the development of other regional strategies, such as the Regional Economic Strategy and Regional Housing Strategy. All new planning documents currently being prepared by Birmingham City Council will be required to conform to the RSS.

The RSS is intended to promote a more integrated approach to delivering a better environment. This includes managing flood risk and adapting to the risks of climate change. The RSS identifies that:

“The implications of climate change for the severity of floods is uncertain but the most realistic approach is to accept that flooding is an inevitable process. PPG25 Development and Flood Risk sets out detailed guidance on how flood risk should be considered at all stages of the planning and development process, including a sequential approach to locating development. Local authorities should also consider local EA plans, Catchment Flood Management Plans and indicative floodplains.”

Note: Since the above statement was published, PPG25 Development and Flood Risk has been replaced by PPS25 Development and Flood Risk^{1,2}, and the indicative floodplain maps have been replaced by the Environment Agency Flood Map.

“For the review of this Regional Planning Guidance the Regional Planning Board with the Environment Agency and other partners should identify where flooding issues are likely to be of Regional significance, assess their implications for the distribution of development and where appropriate, set out appropriate policies and measures to address them. This could include defining areas where sustainable drainage systems would best contribute to reducing flood risk, and improving water quality where the need to improve the performance of the floodplain, attenuate flows and provide local treatment of polluted run-off is greatest. However it should be borne in mind that sustainable drainage systems are unlikely to provide the complete answer to problems associated with large-scale river flooding episodes; in the longer term they can help attenuate flows and reduce the risk of flooding in urban areas downstream.”

“When considering the possible risks, implications and steps needed to prevent general flooding affecting new development, the potential for sewer flooding should also be considered by developers and planning authorities. Large new developments may require some new or updated infrastructure in the existing sewer network and treatment works in order to cope with the additional load. Sustainable drainage systems can, in the correct conditions, help alleviate sewer flooding problems by preventing surface water from entering the sewerage system”.

¹⁴ Regional Spatial Strategy for West Midlands. Government Office for the West Midlands. January 2008

The RSS identifies a number of policies which relate in some way to the river network and the flood risk and environmental asset value associated with it. The policies within this document most relevant to the management of flood risk through Birmingham include Policy QE9: The Water Environment

Policy QE9: The Water Environment identifies that:

“A. Development plan policies and plans of the Environment Agency and other agencies should be coordinated, where necessary across local authority and Regional boundaries, to.....reduce any adverse effects of development on the water environment by encouraging consideration of sustainable drainage systems where appropriate at an early stage in the design process;

B. Development that poses an unacceptable risk to the quality of groundwater or surface water in this or other regions should therefore be avoided.”

3.4 Local Planning Policy

Local planning policy provides the planning framework for Birmingham. While BCC is currently preparing its Local Development Framework the current primary source of local planning policy is the Unitary Development Plan (UDP)¹⁵ and the supplementary planning guidance which was developed as part of the Sustainable Management of Urban Rivers and Floodplain (SMURF) project¹⁶. However, in February 2007 a major review of planning policy in Birmingham was launched in the form of the Core Strategy called “*Planning for the Future of Birmingham*”. The Core Strategy will replace part 1 of the Unitary Development Plan and will set the vision and objectives for the future of the city and will be a city-wide spatial strategy.

3.4.1 Unitary Development Plan¹⁵

The Unitary Development Plan¹⁵ was published in April 2005 and identifies the planning policies which BCC have adopted through to the publication of the Local Development Framework documents. Policies relate to a broad range of topics but the most relevant to flood risk within Birmingham City are the policies relating directly to Water and Drainage.

Within the UDP, there are seven policies which address the long term management of Water and Drainage issues through the City. Of these seven, three policies have been identified as those most relevant to the strategic management of flood risk and are provided in Table 3.1.

3.4.2 Supplementary Planning Guidance: Sustainable Management of Urban Rivers and Floodplains¹⁶

This supplementary planning document was developed as part of the SMURF project¹⁶ that was undertaken on the River Tame and provides guidance for development located within river corridors in Birmingham. It builds upon the policies contained within the Birmingham Unitary Development Plan¹⁵ and provides additional proposals that will encourage land use planning to be better linked with water management, access and visual amenity.

In total, the guidance identifies 17 policies relating to development near river corridor and Table 3.1 summarises those relevant to flood risk.

¹⁵ The Birmingham Plan. Birmingham Unitary Development Plan 2005. Birmingham City Council. October 2005

¹⁶ Sustainable Management of Urban Rivers and Floodplain. Supplementary Planning Document. Birmingham City Council. June 2007

Context	Policy	Objectives
Floodplains	UDP 3.74	<p>“River and stream corridors are liable to natural flooding. New developments should not encroach onto natural flood plains and obstructions to natural flows should be avoided. Where possible, new developments should restore natural flood plains and remove obstructions. New developments should not adversely affect the ability to carry out flood alleviation works, and should protect accesses to watercourses for maintenance. New developments should not increase the rate of run-off to watercourses or to surface water sewers draining directly to watercourses. Water should naturally drain into the ground, or if this is neither practical nor desirable, then storage should be provided on site by means of oversized pipes, tanks or balancing ponds / areas. Where areas are being redeveloped, then a reduction in the rate of run-off should be actively encouraged.”</p>
	SMURF	<p>“Policy 8 - The floodplain will be maintained and restored.”</p> <p>“Policy 9 - A risk based sequential test will be applied to development proposals. Proposals in a flood zone that are not compatible with flood risk vulnerability will be refused unless the proposal meets the requirements of an exception test as set out in PPS25.”</p>
SUDS	UDP 3.75	<p>“To develop sustainable urban drainage, the extraction of ground water from areas of high water table should be encouraged for commercial and industrial use. This will reduce demands from more vulnerable sources of water and reduce problems associated with high levels of ground water. The policy of natural drainage of surface water into the ground or the control of direct flows to watercourses will lessen the impact of flash floods and decrease the risk of flooding. This will not only prevent flooding to properties but also reduce future maintenance and flood alleviation schemes.”</p>
	SMURF	<p>“Policy 3 –The full potential for the use of a Sustainable Drainage System will be reviewed in the initial stages of development and it must be demonstrated by the developer that the potential for the use of SUDS has been considered and where appropriate used in the surface water drainage strategy for the site.”</p> <p>“Policy 4 –There should be no net gain or there should be a reduction, of surface water run off where possible as a result of new development and redevelopment sites.”</p>
Protection and Enhancement of Water Resources	UDP 3.76	<p>“As well as providing water and drainage, the City’s rivers, streams, lakes and ponds are an important amenity and are also valuable as wildlife habitats. The opening up of culverted streams and rivers as part of development proposals will be encouraged, as will other measures which would increase the wildlife and amenity value of natural water features, provided that there is no adverse effect upon water quality and drainage.”</p>
Design of developments	SMURF	<p>“Policy 12 – All development proposed adjacent to the river corridors and their tributaries shall be designed to take account of its proximity to the river.”</p>

Context	Policy	Objectives
		<p>Policy 6 - Open or closed culverts should only be used where no alternative exists. There is strong resistance to culverting of watercourses and other options (such as bridge crossings) should be explored and implemented where possible. The Birmingham UDP states that opening up of culverted streams and rivers will be encouraged. For further guidance and information please refer to Environment Agency publication on 'policy regarding culverts' March 1999."</p>
Community Involvement	SMURF	<p>Policy 17 – The local community will be consulted in any developments that may have an impact on the river corridors."</p>

Table 3.1 – Local Policies Relating to Flood Risk (Source: Unitary Development Plan¹⁵, SMURF¹⁶)

3.4.3 Core Strategy

There is a statutory requirement for the City Council to prepare a Core Strategy and once the strategy is adopted it will form the central part of the city's Development Plan. Amongst other things this means that it will be the starting point for decisions on all major new development proposals in the city.

The purpose of the Core Strategy is to set out a clear spatial framework for the growth of Birmingham up to 2026. As such the strategy will set out how much new housing should be provided in the city, and it will identify the general locations for the construction of new housing and flats. It will also identify the key locations for employment provision, and for other key activities, such as shopping, waste management, leisure and sport, education and health in order to support the city's growing population. The strategy will also consider how transport and other infrastructure can be provided to enable this new development to take place in a sustainable way.

In promoting this agenda for growth, the strategy will need to reflect Birmingham's ambitious targets for reducing CO₂ emissions and to contribute to the Council's wider agenda of improving the quality of life and thereby the health of all Birmingham residents.

The preparation of core strategies must take place in line with a statutory process. Initial consultation on the scope of the Core Strategy took place in early 2007, and the first formal stage in the process was consultation on Issues and Options in autumn 2008. Consultation on the Emerging Core Strategy document took place between December 2010 and March 2011. This document was produced for consultation purposes – but in terms of its scope, structure and content it reflects what the Council currently considers should be included in the final Strategy.

The next stage in the process will be for the Council to consider the reaction to this draft and to modify the strategy as necessary in the light of the comments received. A revised version of the strategy will then be produced. There will be an opportunity for formal comments to be made on that version of the strategy, and then it will be submitted to the Secretary of State for Communities and Local Government. Following this the 'soundness' of the strategy will be examined by an independent inspector, who will consider all the comments received in making his or her recommendations. These recommendations will be binding on the City Council.

4. Flood Risk Strategies for Planning

4.1 Introduction

A number of flood risk strategies that have already been developed to support the planning policies discussed in Chapter 3. Of particular relevance are the West Midlands Regional Flood Risk Appraisal¹⁷ (RFRA), the Catchment Flood Management Plan (CFMP) developed for the River Trent¹⁸, and the Surface Water Management Plan (SWMP) that is currently being developed within Birmingham. Figure 3.1 illustrates how these documents interact with planning documents discussed in Chapter 3, and Figure 4.1 below outlines how SWMPs will inform planning documents in the near future.

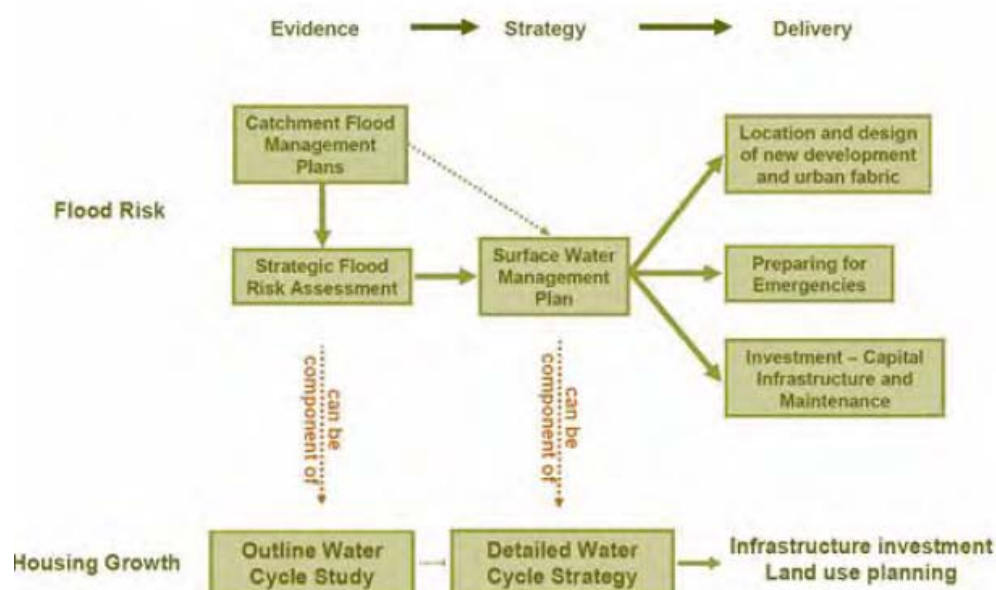


Figure 4.1 – Key Flood Risk Management Documents and their links with the Spatial Planning Process (provided in SWMP Guidance¹⁹)

4.2 Regional Flood Risk Appraisal

A Regional Flood Risk Appraisal (RFRA) should provide a broad overview of flood risk issues to influence strategic policies for a region (e.g. Region Spatial Strategies - RSS) that are compatible with PPS25^{1,2}.

The West Midlands RFRA¹⁷ was originally completed in September 2007, but was updated in February 2009 to take account of the requirements of the PPS25 Practice Guide (2008)² and the latest available plans, strategies, reports and data. The RFRA is a strategic appraisal of flood risk undertaken to inform the RSS¹⁴ and Sustainability Appraisals (SA) and identifies broad locations of flood risk at a regionally significant level to highlight flooding issues that local planning authorities should address through their SFRA's.

The objectives of the RFRA update include providing a better understanding of flood risk in the region using the latest available data; focusing on flood risk at proposed housing growth areas;

¹⁷ West Midlands Regional Assembly (2009) – West Midlands Regional Flood Risk Appraisal (RFRA)

¹⁸ Environment Agency (2011) – Catchment Flood Management Plans (CFMPs) – River Trent CFMP

¹⁹ Defra (2010) – Surface Water Management Plan Technical Guidance

considering the impacts of climate change over the plan period; reviewing the flood risk posed to critical infrastructure; providing a basis for further policy development and providing support for SFRA at the local level. Table 4.1, taken from the RFRA identifies the following flood risk indicators for Birmingham.

Type of flood Risk	Source of Flooding	Perceived Flood Risk		Summary
		Probability	Consequence	
Inherent Flood Risk		Medium	High	5% of the District is located in Flood Zone 3.
Climate Change Flood Risk		Medium	High	7% of the District is located in Climate Change Flood Zone 3.
Fluvial Flood Risk		High	High	The local watercourses pass through the urban area and the CFMP has highlighted a high risk of fluvial flooding and severe consequences. Many watercourses are culverted through Birmingham with residual risk of flooding from blockage or culvert collapse. The notable exceptions to this are at the confluence of the River Tame with the Hockley Brook and the River Rea at Witton and Nechells and at the confluence of the River Tame with Plants Brook at Castle Vale and Minworth.
Flood risk from other sources	Surface Water	High	High	Analysis of Severn Trent Water data shows that there is a moderate risk of sewer flooding and the CFMP has confirmed that this is predominantly foul flooding. Surface water flood risk is high.
	Groundwater	High	High	There is no data on groundwater flooding in the City but the risk from rebounding groundwater following a reduction in abstraction for industrial use is thought to be high.
Residual	Defences	Medium	High	The EA NFCDD database shows a number of formal flood defences which provide protection for approximately 1% of the City.
	Canals	Low	Medium	There are 10 records of canal breaches in the City with the most recent being in March 1990 at Hay Mills.
	Reservoirs	Low	High	There is no data on reservoir overtopping or breaching in the City. However, there are numerous reservoirs in the area and a vast number of properties would be affected in the unlikely event of failure.
Critical Infrastructure		Vulnerability Rank 1	High	Critical infrastructure vulnerability rank is 1 and the consequence is high. Key infrastructure is located within Birmingham and should this be affected by flooding the consequence would be high
Overall Risk		High	High	The high overall flood risk in Birmingham City is similar to the overall risk reported in the Faber Maunsell West Midlands RFRA Report (Oct, 2007).

Table 4.1 – RFRA¹⁷ Flood Risk Indicators for Birmingham

In the RFRA's conclusions it states that the BCC

“area is the most urbanised area in the region and the WMRSS proposed the second highest increase in new houses by 2026. Flood risk within the LPA is considered high and a number of flood risk concerns have been highlighted by the CFMP”

and,

“it is recommended that the CFMP and completed SFRA should be used to determine the best options for future development, including the application of the Sequential and Exception Tests, the requirement for betterment and the use of SUDS.”

4.3 River Trent Catchment Flood Management Plan¹⁸

Catchment Flood Management Plans are strategic planning documents that provide an overview of the main sources of flood risk and how these can be managed in a sustainable framework for the next 50 to 100 years. Although at the time of writing the CFMP for the River Trent is still to be finalised, the draft version has been reviewed for this SFRA.

In assessing how the whole of the River Trent catchment may change in the future the CFMP reports that it anticipates urban development around Birmingham to continue and the numbers of properties at flood risk to increase. The relevant key findings from the study were:

“The main opportunities for flood risk reduction will come from reducing runoff through land use change and attenuation across large rural parts of the catchments.”

and,

“The greatest threat to the upper catchment is from urban growth which is likely to be focused on the already urban areas...Birmingham...”

Importantly, the CFMP recognised that:

“Flood risk within Birmingham is complex and is the result of flooding from a wide range of sources, including the main river Tame, smaller tributaries which run through the city, surface water run-off, storm water drainage and sewer overflow.”

This complexity is more commonly known as surface water flooding.

4.4 Surface Water Management Plans

Paragraph 6 of PPS25^{1,2} encourages LPAs to prepare a SWMP to help reduce the impacts of flooding through new development. SWMPs have an important role in developing a coordinated strategic approach to managing surface water drainage and reducing flood risk. They should reflect the future proposals of all key stakeholders and provide a clear delivery plan. SWMPs will build on Strategic Flood Risk Assessments, Catchment Flood Management Plans, Shoreline Management Plans and River Basin Management Plans, and will aim to provide cost-beneficial solutions for the areas at greatest risk of surface water flooding.

Surface Water Management Plans have been developed in response to the Making Space for Water⁸ consultation for better integrated urban drainage management. The Surface Water Management Plan Technical Guidance¹⁹. The guidance states:

“A SWMP study is undertaken in consultation with key local partners who are responsible for surface water management and drainage in their area. Partners work together to understand the causes and effects of surface water flooding and agree the most cost effective way of managing surface water flood risk for the long term. The process of working together as a partnership is designed to encourage the development of innovative solutions and practices.”

Birmingham City Council in partnership with its professional partners Severn Trent Water and the Environment Agency is currently developing a Surface Water Management Plan using the funding allocated by the Department for Environment, Food and Rural Affairs (Defra) to BCC²⁰.

The aims of the SWMP are:

- increased understanding of the causes, probability and consequences of surface water flooding;
- increased understanding of where surface water flooding will occur which can be used to setting out priorities for action, maintenance needs and links into local development frameworks and emergency plans;
- increased awareness of the duties and responsibilities for managing flood risk of different partners and stakeholders;
- improved public engagement and understanding of surface water flooding;
- to establish a long-term action plan to manage surface water in an area;
- to identify opportunities where SUDS can play a more significant role in managing surface water flood risk and may also contribute to fulfilling the requirements of the Water Framework Directive (WFD);
- to provide an evidence base to meet the requirements of the Flood Risk Regulations (2009) Preliminary Flood Risk Assessment (PFRA);
- to inform the development of a local flood risk management strategy as required by the Flood and Water Management Act 2010;
- to identify opportunities for water quality improvements to inform the Water Cycle Study and assist in meeting the requirements of the WFD;
- to inform the green infrastructure strategy for the City, to include the development of a woodland plan; and
- to enhance the existing evidence base contained in the Strategic Flood Risk Assessment (SFRA).

The Surface Water Management Plan is due to be completed by March 2012 and will identify 'local flood risk areas' where surface water flood risk is considered to be high, the results will inevitably feed into this SFRA for the LPA to make use of.

²⁰ Defra (2009) – Defra online accessed on September 2009 - <http://www.defra.gov.uk/environment/flooding/documents/manage/surfacewater/sw-settlement-order.pdf>

4.5 Local Flood Risk Management Strategies

Following Royal Assent in April 2010 the Flood and Water Management Bill became an Act of Parliament. As a consequence, upper tier local authorities have taken on new powers and duties extending their previous responsibilities for flood risk management as the lead local flood authority.

Local flood risk is defined as a risk of flood arising from surface run-off, groundwater, or an ordinary watercourse, which includes a lake or pond which flows into an ordinary watercourse. The Environment Agency is responsible for managing the risk of flooding from the sea and main rivers, and also for regulating the safety of reservoirs. Where there is an interface between the sea and main rivers with local flood risk sources (for example, tide locking) it is the responsibility of the lead local flood authority to consider the impacts and consequences.

The Act gives County Councils or Unitary Authorities a new leadership role in local flood risk management. They have become the lead local flood authority, with responsibility for developing, maintaining and applying a local flood risk strategy. This clarifies who is responsible for local flood risk and enables effective partnerships to be formed between the lead local flood authority and the other relevant authorities.

All lead local flood authorities in England are required to develop, maintain (which includes updating and reviewing), apply, and monitor the application of a strategy for local flood risk in their area that is consistent with the national strategy produced by the Environment Agency.

The local strategy will encourage more effective risk management by forming links between the local flood risk management strategy and local spatial planning. The strategic policies in LDFs will need to be linked into the Local Flood Risk Management Strategy.

Developers have a vital role to play in delivering the outcomes of risk management strategy. Planning authorities should take necessary regard of not just the statutory planning framework, but also the local strategy for flood risk management. The local flood risk management strategy when complete should be considered as supplementary planning guidance (SPG) and therefore form material consideration in the planning process. In so doing, future developments will take proper regard of the local flood risk management strategy including the risk of flooding from surface water, groundwater and ordinary watercourses.

At the time of writing Birmingham City Council is at the initial stages of developing its strategy, whilst there is no deadline for the publication of a strategy it is envisaged that this will be completed by 2013.

5. Approach to Data Gathering

5.1 Introduction

A data collection and review process has been used to gather together a significant amount of information which already exists in relation to planning and flood risk. The key types of data obtained include:

- Local plan, LDF documents and proposed development sites;
- Ordnance Survey (OS) background mapping;
- Geological and Superficial deposit mapping;
- Centre for Ecology and Hydrology (CEH) National River Flow Archive
- Historic flooding from all sources (fluvial, surface water, sewer (DG5 Resister), groundwater, other);
- National Flood Zones (Fluvial and Surface Water) and detailed hydraulic modelling flood outlines;
- Sewerage Management Plan (SMP) model extents;
- Formal and informal flood defences, structures and alleviation measures;
- Flood risk studies and modelling reports;
- Regional Flood Risk Appraisal and the Catchment Flood Management Plan;
- Fluvial Flood Warning Areas;
- Groundwater Source Protection Zones and Vulnerability Maps.

5.2 Production of the SFRA Maps

This section outlines and describes the data and approach used to produce the SFRA maps using the data sets collected. The key types of data are listed in section 5.1 (above) and a table detailing all of the data gathered and the source of the data is included in Appendix A.

5.2.1 Proposed Development Sites

Following a review of the national, regional and local policies and documents in relation to flood risk and development (refer to Chapter 3 and 4) details of the Strategic Housing Land Availability Assessment (SHLAA) 2010, Commercial Sites, Employment Land Review (2010) and Aston Lozells and Newtown Area Action Plan were obtained from BCC. In total, there are 1468 residential sites, 418 Commercial Sites, 66 Core Employment Areas and 50 sites identified by the Aston, Lozells and Newtown AAP that are currently being considered and proposed.

5.2.2 Watercourse mapping

In Birmingham there are numerous ordinary watercourses and countless unnamed streams and ditches, for the purposes of this SFRA, where the official name of the watercourse is not identified on OS mapping or not known, a name has been generated generally based on its location.

5.2.3 Geological and Superficial Mapping

Geology is an important factor when investigating the cause and prevention of flooding because if the ground is impermeable then flood generation in response to rainfall is more likely. Similarly, if the ground is permeable then infiltration may be sufficient to reduce surface runoff and potentially be suitable when considering the implementation of SUDS techniques for development.

The National Soils Research Institute (NSRI) maintains a database regarding soil type, drainage, fertility, texture, landcover, and habitats for the UK. While this is freely available online in the form of a data set called “soilscapes viewer”²¹, for the purposes of the SFRA, this data set was purchased.

5.2.4 CEH National River Flow Archive

The UK National River Flow Archive (NRFA) record and maintain years of daily and monthly river flow data in the UK. Where possible it has been used for describing the hydrological regime for this SFRA.

5.2.5 Historical flooding

Historical flooding records provide a source of data that directly indicates both areas and sources of flooding. Recent years have seen a number of large scale flooding events affecting Birmingham (September 1998, April 1999, June 1999, July 2000, June 2005, June 2007, July 2007 and September 2008) all historical flooding data has been collected from BCC, Severn Trent Water and British Waterways.

To protect the sensitivity of this data and to build up an understanding of the areas that are susceptible to flooding, this has been plotted using the centre of a postcode polygon whereby each point represents one or more properties. While this may not reflect if a particular property repeatedly experiences flooding, it does provide an understanding of the risks of flooding from all sources, as this data has been plotted using the recorded source of flooding (watercourse, surface water, sewer and groundwater). Where the source is not identified in the data set, the source of flooding has been plotted as “unknown”. As locations have experienced flooding from more than one source, it is recommended that in addition to referring to the historic flooding map the user refers to the fluvial, surface water and groundwater maps as in some locations flooding records may be obscured by other flooding records which are from a different source but within the same postcode polygon.

If further information about the historical flooding records is required for site specific Flood Risk Assessments for example, BCC are able to provide this data so long as it does not compromise others vested interests.

5.2.5.1 Watercourse Flooding

The historical locations of watercourse flooding have been provided by BCC, where flood surveys and investigations were undertaken to identify the numbers of properties affected and the flooding mechanism, details are included in table B.1 Appendix B.

5.2.5.2 Surface Water Flooding

The historical locations of surface water flooding have been provided by BCC, where flood surveys and investigations were undertaken to identify the numbers of properties affected and the flooding mechanism, details are included in table B.2 Appendix B.

5.2.5.3 Sewer flooding

Severn Trent Water maintain a database known as the “At Risk Flooding Register”, referred to as ‘Floods2’, for sewer flooding within their area. Those properties affected by sewer flooding are reported to the Office of Water Services (Ofwat) as part of Director General Performance Measure 5 (DG5). DG5 is the performance measure that Ofwat judges water companies by for sewer flooding. It covers two measures:

²¹ Land Information Systems – Soilscapes viewer online. Accessed on September 2009 - <http://www.landis.org.uk/services/soilscapes.cfm>

- The number of properties at risk of internal flooding from sewers due to hydraulic overloading within the last ten years (depending on the property type); and
- Properties which are internally flooded.
- Sewer flooding can be caused by temporary problems, such as blockages or sewer collapses, or because of hydraulic overloading.

The historic locations of sewer flooding are protected under the Data Protection Act. While the SFRA has been able to map out these locations using the methodology outlined above, the details of the sewer flooding can, and have, not been provided in this report.

5.2.5.4 Groundwater Flooding

Historical locations of groundwater flooding reported to BCC have been provided for the flood risk mapping, however as no formal investigation was undertaken at the time, specific details of this historic flooding have not been provided in this report.

A general description of groundwater flooding issues for Birmingham is included in Appendix C.

5.2.5.5 Reservoir Breach and Overtopping

There are no known incidents of reservoir breach and overtopping within Birmingham.

Reservoir flood maps are available on the Environment Agency website. Only flood maps for large reservoirs are displayed. Large reservoirs are those that hold over 25,000 cubic meters of water and fall under the Reservoir Act 1975. Flood maps are not displayed for smaller reservoirs or for reservoirs commissioned after reservoir mapping began in spring 2009.

The maps do not give any information about the depth or speed of the flood waters. Emergency planners have access to this information so they can develop effective emergency plans. However this is not available to the public due to the sensitivity of the information.

The maps show the largest area that might be flooded if a reservoir were to fail and release the water it holds. The maps are only intended as a guide and are not a prediction of what will happen.

5.2.5.6 Canal Breach and Overtopping

The historical locations of canal breach and overtopping have been provided by British Waterways, details of these incidents are included in table B.3 Appendix B.

An assessment of the risk of canal breach has not been carried out as part of this Level 1 SFRA, this will be undertaken as part of the Level 2 study.

5.2.6 PPS 25^{1,2} Flood Zones

Flood Zones show the areas potentially at risk of flooding from rivers, ignoring the presence of defences. PPS 25 defines flood zones as shown in Table 1.1.

Flood Zone	Objectives
<i>Flood Zone 1 – Low Probability</i>	Area with less than a 1 in 1000 annual probability of flooding in any year (<0.1% AEP)
<i>Flood Zone 2 – Medium Probability</i>	Area having between a 1 in 100 and 1 in 1000 annual probability of flooding in any year (1% - 0.1% AEP)
<i>Flood Zone 3a – High Probability</i>	Area with an annual probability of less than or equal to 1 in 100 annual probability of flooding in any year (>1% AEP)
<i>Flood Zone 3b – Functional Floodplain</i>	Land where water has to flow or be stored in times of flood. The identification of functional floodplain should take account of local circumstances and not be defined solely on rigid probability parameters. But land which would flood with an annual probability of 1 in 20 (5%) or greater in any year, or is designed to flood in an extreme (0.1%) flood, should provide a starting point for consideration and discussions to identify the functional floodplain.

Table 5.1 – PPS 25^{1,2} Flood Zone Maps

The severities of the flooding events discussed in this document are defined as Annual Exceedance Probabilities which is defined as the probability that there will be an event exceeding a particular severity in any one year. Table 5.2 below provides a summary of AEP and corresponding Return Periods which is the average duration (in years) between events of a particular severity.

Annual Exceedance Probability (AEP) (%)	Return Period (Years)
50%	1 in 2 Years
10%	1 in 10 Years
5%	1 in 20 Years
4%	1 in 25 Years
2%	1 in 50 Years
1%	1 in 100 Years
0.5%	1 in 200 Years
0.1%	1 in 1000 Years

Table 5.2 – Definition of AEP and Return Period Flood Events

The EA's Flood Map was first published and made freely available on the internet in October 2004. The sources of flood extent data sets presented on the Flood Map range from high quality information derived using detailed hydraulic models to lower quality data sets derived as part of the Flood Zone Project (a high level national mapping programme). Another variable which potentially affects the quality of the published Flood Map is the topographic data that is used to map the flood extent in conjunction with the water level information. The topographic data generally used for the purpose of producing the Flood Map includes LiDAR and NextMap data, 2m and 5m grid resolution respectively, which have different degrees of accuracy.

For the purposes of this SFRA, the functional floodplain has been defined as the 1 in 20 year undefended outline which has been simulated in the detailed hydraulic models developed for the River Tame, River Rea, River Cole (Main River), River Cole (Ordinary Watercourse) and Chinn Brook.

Flood Outlines Provided	Hydrological catchment				
	River Tame	River Cole (Main River)	River Cole (Ordinary Watercourse)	River Rea	Chinn Brook (D/S Stratford-upon-Avon Canal)
1 in 20 year (5% AEP) (Defended)	Yes	1 in 25 year (4% AEP) used	Yes	Yes	Yes

Table 5.3 –Flood Zones from the detailed modelling outlines used for the SFRA

There have recently been a number of more detailed hydraulic models produced by the Environment Agency for Main Rivers within the Birmingham, and through partnership working between the EA and BCC, for ordinary watercourses. A list of all of the fluvial hydraulic models is provided in Appendix D.

It is important to stress that, as more detailed hydraulic modelling of rivers and mapping of flood risk is undertaken, the Environment Agency will ultimately review and update (if necessary) the Flood Zone Maps and while the ones used for this SFRA are the most up to date, they are subject to change.

At the time of writing Birmingham City Council is undertaking a detailed modelling study of the Hockley Brook which when complete will provide updated Flood Zone outlines.

5.2.7 Climate Change

PPS25^{1,2} (Annex B) highlights the need for planned development to allow for the likely effects of increased flood risk due to climate change, as these effects will tend to increase the size of the current Flood Zones and the amount of flooding from “other sources”. The relevant recommended national precautionary sensitivity ranges for this SFRA have been reproduced and provided in Figure 5.1. Climate change science is continually developing and future policy will undoubtedly be drafted to reflect this, the UK Climate Projections 2009 and the review of planning policy statements may lead to a change in the sensitivity ranges.

Parameter	1990 to 2025	2025 to 2055	2055 to 2085	2085 to 2115
Peak rainfall intensity	+5%	+10%	+20%	+30%
Peak river flow	+10%	+20%		
Offshore wind speed	+5%		+10%	
Extreme wave height	+5%		+10%	

Notes:

1. Refer to Defra FCDPAG3 Economic Appraisal Supplementary Note to Operating Authorities – Climate Change Impacts, October 2006, for details of the derivation of this table.
2. For deriving peak rainfall, for example, between 2025-2055 multiply the rainfall measurement (in mm/hour) by 10 per cent and between 2055-2085 multiply the rainfall measurement by 20 per cent. So, if there is a 10mm/hour event, for the 2025-2055 period this would equate to 11mm/hour; and for the 2055/2085 period, this would equate to 12mm/hour. Other parameters in Table B.2 are treated similarly.

Figure 5.1– PPS25^{1,2} Recommended National precautionary sensitivity ranges for Birmingham

For the purposes of this SFRA, the increase of flood risk due to climate change has been undertaken using the suggested increase of river flows of 20% which has been simulated in the detailed hydraulic models developed for the River Tame, River Rea and River Cole (Main River). At the time of writing this has not been undertaken for the ordinary watercourse reach of the River Cole, therefore the model outline is not currently available.

Flood Outlines Provided	Hydrological catchment				
	River Tame	River Cole (Main River)	River Cole (Ordinary Watercourse)	River Rea	Chinn Brook (D/S Stratford-upon-Avon Canal)
1 in 100 year plus climate change (20% allowance)	Yes	Yes	No	Yes	No

Table 5.4 –Flood Zones from the detailed modelling outlines used for the SFRA

5.2.8 Surface Water Flood Mapping

The Environment Agency has produced two national datasets showing predicted surface water flooding:

- Areas Susceptible to Surface Water Flooding (AStSWF)
- Flood Map for Surface Water (FMfSW)

Areas Susceptible to Surface Water Flooding

The map has been produced using a simplified method that excludes underground sewerage and drainage systems, and smaller over ground drainage systems, excludes buildings, and uses a single rainfall event of a 6.5 hour storm with a 0.5% average probability of being exceeded each year (1 in 200 annual probability) – therefore it only provides a general indication of areas which may be more likely to suffer from surface water flooding.

The maps do not show the susceptibility of individual properties to surface water flooding. The map provides three bandings from 'less' to 'more' susceptible to surface water flooding. The 'more' band will be useful to help identify areas which have a natural vulnerability to:

- flood first;
- flood deepest; and/or
- flood for relatively frequent, less extreme events (when compared to the other bands).

Flood Map for Surface Water

These maps are a development of the Environment Agency's Areas Susceptible to Surface Water Flooding (AStSWF), as they consider:

- More storm events;
- The influence of buildings; and
- The influence of the sewer system.

The Flood Map for Surface Water shows areas where surface water would be expected to flow or pond.

Two rainfall events, one with a 1 in 30 and the other with a 1 in 200 chance of occurring in any year, are modelled and mapped. However, users must note that this is the chance of this rainfall, and not of the resulting flood extent occurring. Consequently it only provides a general indication of areas which may be more likely to suffer from surface water flooding in these rainfall probabilities.

For each rainfall probability, the map provides two bandings which can be used individually to indicate:

- 'Surface Water Flooding' - flooding greater than 0.1m deep;

- ‘Deeper Surface Water Flooding’ - flooding greater than 0.3m deep;

The 0.3m threshold is chosen as it represents a typical value for the onset of significant property damages when property flooding may start (above doorstep level) and because it is at around this depth that moving through floodwater (driving or walking) may become more difficult; both of which may lead users to consider the need to close roads or evacuate areas.

Locally Agreed Surface Water Information

As Lead Local Flood Authority Birmingham City is required to review, discuss, agree and record with partners what surface water information best represents local conditions, this is known as ‘locally agreed surface water information’. As detailed in the Preliminary Flood Risk Assessment²², the ‘locally agreed surface water information’ is currently considered to be the Flood Map for Surface Water produced by the Environment Agency which provides the best available information at a strategic level. As the Surface Water Management Plan is developed the outputs from the integrated hydraulic modelling being undertaken will be used to update the ‘locally agreed surface water information’.

The maps are not appropriate to act as the sole evidence for any specific planning decision at any scale without further supporting studies or evidence because of the way they have been produced and the fact that they are indicative, their use in planning is to highlight areas where more detailed study of surface water flooding may be appropriate, such as a Surface Water Management Plan.

5.2.9 Groundwater Flooding Susceptibility

In response to the need for more information on groundwater flooding, the British Geological Society (BGS) has produced the first national hazard or susceptibility data set of groundwater flooding. The data is based on geological and hydrogeological information and can be used to identify areas where geological conditions could enable groundwater flooding to occur and where groundwater may come close to the ground surface. Although this is not a risk data set in that it does not provide information about the likelihood of a groundwater flood occurring, it has been used to provide an understanding of groundwater flooding for the SFRA. The five susceptibility zones are shown in the Table 5.5 below.

Geological Class	Susceptibility
1	Very High
2	High
3	Moderate
4	Low
5	Very Low
No data	No susceptibility

Table 5.5 –Groundwater Susceptibility Zones

5.2.10 Groundwater Source Protection Zones

Groundwater is usually of high quality and often requires little treatment prior to its use. Consequently, it is vulnerable to contamination from both diffuse and point source pollutants. The Environment Agency has defined what are known as Source Protection Zones (SPZs) for three geological classes to be used in the assessment of specific land use practices, proposed developments and land use changes over aquifers. While not a flood risk data set, these zones

²² Birmingham City Council (2010) Preliminary Flood Risk Assessment

have been used to identify the areas of the study area that will have to consider the implications of utilising infiltration techniques as part of the development process. The three geological classes for the SPZs are defined in the Table 5.6 below.

Geological Class / SPZs	Description
Major Aquifer	Highly permeable formations, commonly with significant fracturing. They may be highly productive and are able to support large abstractions for public supply and other purposes.
Minor Aquifer	Can be fractured but do not have a high primary permeability. They include formations of variable permeability, and unconsolidated superficial deposits. Although seldom producing large quantities of water, they are important for local supplies and contribute to base flow to rivers.
Non-Aquifer	Generally those formations which are regarded as containing insignificant quantities of groundwater. Groundwater flow through such rocks does, however, take place and should be considered in assessing the risk associated with persistent pollutants

Table 5.6 – Source Protection Zones (SPZs)

5.2.11 Drainage Area Plans and Sewerage Management Plans Extents

Severn Trent Water's principle planning and reporting tool for assessing the performance for the sewerage system are Drainage Area plans, which usually include hydraulic models. There are 370 drainage areas within Severn Trent Water's region and these are updated on a 10-year rolling programme. These plans aim to understand the operational, structural, environmental and hydraulic performance of the sewerage assets and provided a basis for making decisions on investment and asset management. Where models are constructed (usually include all foul / combined sewers but limited or no surface water sewers), hydraulic analysis is carried out simulating the hydraulic model with a range of return period storm of different durations to assess the hydraulic performance of the sewerage system. The hydraulic performance is reported on in Return Period Analysis (RPA) plans which specifies for each pipe on what return period surcharge and flooding is predicted. Although the models are usually verified against flow survey data and historic events, the models are only for planning purposes and more detailed investigations are required before a capital scheme is raised to resolve reported flooding. The RPA plan only informs STW of the likelihood of surcharge or flooding and not the consequence. Therefore it is not a true indication of flood risk.

From April 2010, Drainage Area Plans are being replaced by Sewerage Management Plans (SMPs). SMPs employ a risk based approach to asset management in keeping with the transformation of the Sewerage Rehabilitation Manual²³ (SRM4 and previous additions) into the Sewerage Risk Management guidance²⁴ (SRM5). Hydraulic models will be used to consider the consequence of a flooding or pollution event, not just the likelihood. For the purposes of this SFRA, STW has supplied the extents of the SMP areas within Birmingham.

5.2.12 Fluvial Flood Warning Zones

The Environment Agency operate a fluvial flood warning service along the River Rea, River Cole and River Tame within Birmingham. For the purposes of this SFRA, the Environment Agency have provided the zones which this service covers.

²³ WRc (2001) Sewerage Rehabilitation Manual

²⁴ WRc plc (2010) Sewerage Risk Management Guidance

5.2.13 Flood Defence and Risk Management Measures

Nationally, the Environment Agency maintain a variety of flood defence structures that are recorded within the National Flood and Coastal Defence Database (NFCDD). The relevant structures, which can include channels that are maintained in order to protect against fluvial flooding (e.g. revetments, raised walls etc.) and man-made raised defences, were obtained from the NFCDD database along with any associated and relevant documentation (e.g. details of a Flood Alleviation Scheme or Flood Warning Service). This information has been used to inform the existing flood defence and risk management measures, as it contains the extent, condition and standard of protection of these assets.

6. The Study Area

6.1 Overview

Birmingham is the United Kingdom's second largest urban conurbation and neighboured by several other large conurbations, such as Solihull, Wolverhampton, and the towns of the Black Country. It is situated just to the west of the geographical centre of England on the Birmingham Plateau - an area of relatively high ground, ranging around 150-300 metres above sea level. With the Clent, Waseley and Lickey Hills towards the south-west of the City, Birmingham slopes gently to the east of the conurbation.

6.2 Geology

The geology beneath Birmingham is divided into two due to a fault, known as the "*Birmingham Fault*", running approximately north-east to south west and consists of Permian and Triassic sandstones and mudstones²⁵. To the west of the fault line the rock strata predominantly consists of red and red-orange sandstones, and to the east the rock strata predominately consists of red and red-brown mudstones which are inter-bedded by several silt and sandstone bands.

The National Soils Research Institutes database of soils for the UK indicates that Birmingham is underlain by the following key soil types:

- Freely draining slightly acid loamy soils;
- Freely draining slightly acid sandy soils
- Freely draining very acid sandy and loamy soils
- Loamy and clayey floodplain soils with naturally high groundwater
- Loamy and sandy soils with naturally high groundwater and a peaty surface
- Loamy soils with naturally high groundwater
- Naturally wet very acid sandy and loamy soils
- Shallow very acid peaty soils over rock
- Slightly acid loamy and clayey soils with impeded drainage
- Slowly permeable seasonally wet acid loamy and clayey soils
- Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils

Appendix E contains all of the respective constituency geology drawings.

6.3 The Fluvial System

There are twelve Main Rivers in Birmingham and numerous ordinary watercourses and countless unnamed streams and ditches. The river system largely falls within the following Main River Catchments (refer to Appendix E for catchment maps):

- River Tame;
- River Rea; and
- River Cole

²⁵ British Geological Survey (2001) – Geoscience Data for Birmingham City Council

All these catchments are regarded as being very responsive due to urban nature of Birmingham. The hydrological regimes of these catchments are now described below.

6.3.1 River Tame Catchment

The River Tame is the largest tributary of the River Trent. The total catchment area is approximately 1500 square kilometres and the river is 100 kilometres long, all of which is Main River. It starts as two distinct watercourses, known as the Oldbury Arm and the Willenhall Arm, to combine at Bescot and continue eastwards through Birmingham before changing direction at Water Orton. The river then flows north through Tamworth to the confluence with the River Trent.

Over time, the River Tame has been heavily modified by human activity. The upper sections of the river in Birmingham and the Black Country have been engineered with brick walls and concrete to form a river that is very different to its original size, shape and course.

In Birmingham, the River Tame flows in an easterly direction through the residential and industrial area of Perry Barr, before entering Perry Hall Playing Fields which provides some storage for flood water. From here it continues through Witton where the catchment contains mostly commercial, industrial and residential properties, before passing underneath the “*Spaghetti Junction*” (M6) road network. Downstream of “*Spaghetti Junction*” (M6) the River Tame flows underneath the M6, through Gravelly Hill, Bromford and Castle Vale to leave Birmingham just upstream of Water Orton with a 1 in 100 Year (1% AEP) flow rate of 114.6m³/s (NRFA dataset).

The River Tame has a number of major tributaries, the most significant in Birmingham being the River Rea and River Cole. The smaller tributaries within the River Tame catchment in Birmingham are listed in Table F.1 Appendix F, and a number of small watercourses which ultimately contribute to the River Tame located to the north of the city are listed in Table F.2 Appendix F.

For an overview plan of the River Tame catchment within Birmingham refer to Drawing 5045289/02/02 in Appendix E.

6.3.2 River Rea Catchment

The River Rea is the largest tributary of the River Tame within Birmingham and flows in a north easterly direction from its source in the Waseley Hills. The total catchment area is approximately 87 square kilometres and the river is 23 kilometres long, with a 1 in 100 year (1% AEP) flow rate of 53.69m³/s (NRFA dataset).

Like the River Tame, over time, the downstream sections of the River Rea have been heavily modified by human activity. Sections of the river have been engineered with brick walls which were further deepened in the 1920's as part of a flood defence scheme. This has resulted in the downstream reaches being very different in size, shape, and in places, course.

On entering Birmingham the River Rea flows through the residential area of Frankley and past the Frankley Balancing Lake which provides offline floodwater storage. Beyond this the River Rea becomes Main River and flows through the industrial and residential areas of Longbridge (notably being culverted through the former MG Rover car plant). It then continues through the predominantly residential areas of Northfield and Kings Norton, where it passes alongside Wychall Reservoir which provides offline balancing. The river then continues through Stirchley and Selly Park which contain a number of commercial, industrial and residential properties. Entering Cannon Hill Park the watercourse becomes an engineered channel with deep brick linings to mirror a canalised cross section to flow through the mainly industrial areas of Highgate, Digbeth, Bordesley, Duddeston and Nechells where it joins the River Tame.

The River Rea has a number of tributaries which are listed in Table F.3 Appendix F.

For an overview plan of the River Rea catchment within Birmingham refer to Drawing 5045289/02/01 in Appendix E

6.3.3 River Cole Catchment

The River Cole is the second largest tributary of the River Tame within Birmingham, however it joins the River Blythe for a short length before joining the River Tame downstream of Coleshill. The total catchment area is approximately 131 square kilometres, with a 1 in 100 year (1% AEP) flow rate of 33.92m³/s (NRFA dataset). The river is 39 kilometres long, with 16 kilometres of this being within Birmingham. It starts at Red Hill then flows south through Wythall Green to Inkford, where it turns north-eastwards through Majors Green and into Birmingham. The lower catchment of the River Cole is rural in nature with the river flowing in a natural channel.

The River Cole flows through Birmingham in a north-easterly direction. On entering Birmingham the river flows through the residential areas of Yardley Wood and Billesley. From here it continues into Sparkhill where it becomes Main River at Formans Road, here the catchment contains commercial, industrial and residential properties. On leaving Sparkhill the catchment returns to predominantly residential properties and with a large green corridor through Hay Mills, Yardley and Stetchford.

The River Cole has a number of tributaries which are listed in table F.4 Appendix F.

For an overview plan of the River Cole catchment within Birmingham refer to Drawing 5045289/02/03 in Appendix E.

6.4 The Sewer System

Surface water from the city centre and highly populated areas generally drains to the combined sewer system and is discharged to the treatment works. At periods of high intensity rainfall, the flows are discharged via the Controlled Storm Overflows (CSOs) to the water courses. There are areas with separate sewers, or highway or other council surface water drainage that take the surface water to the local brooks and watercourses

There are about 30 Drainage Area Zones covering the whole of the Birmingham area. These drain down various trunk sewers to the Minworth sewage treatment works on the north eastern side of the City. The sewerage is predominantly combined and receives domestic and industrial flows as well as surface water. There are numerous CSOs on the system and Severn Trent is tasked with ensuring that they operate satisfactorily. The CSOs discharge into the local water courses that eventually lead to the River Tame.

6.5 Groundwater System

The Sherwood Sandstone group of strata, within the Triassic sequence, represent the principal aquifer for Birmingham. The Triassic Sandstones that underlie much of the city of Birmingham are water bearing and were used for well over a century as a major source of supply for local industry and commerce, and originally also for local public water supply. Between about 1860 and 1930 many wells and boreholes were sunk to meet the needs of industrial development and urbanisation.

The main units of this group which comprise the Birmingham Aquifer from top to bottom are²⁶:

- The Bromsgrove Sandstone;
- The Wildmoor Sandstone; and
- The Kidderminster Sandstone; however,
- the underlying Hopwas Breccia is also considered to be in continuity with these sandstones and therefore part of the Birmingham Aquifer.

²⁶ British Geological Survey (1996) – England and Wales Solid and Drift Geology, 1:50,000, Birmingham, Sheet 168

The surface distribution of the sandstones is determined by the outcrop of their basal beds on the western side and by the Birmingham Fault that acts as a barrier to shallow groundwater flows, although flow does take place across it at depth where the Sherwood sandstones on either side are partially in contact²⁷.

During the last 40 years there has been an appreciable reduction in the amount of pumping in the area, reflecting the declining fortunes and changing practice of many of the industrial consumers. Licensed abstractions within the Birmingham Groundwater Unit have fallen in total to less than a fifth of the peak, from an estimated maximum of over 75 Ml/d (megalitres per day) during the 1940s, to less than 15 Ml/d in 1993²⁸. The excess of natural recharge and leakage over abstraction from the aquifer has led to a rapid rise in groundwater levels, however, it is important to highlight that ultimately the groundwater surface will return to historic levels, subject to the effects of changes in surface land use, drainage and continued abstractions.

6.6 Reservoirs in Birmingham

Birmingham has 22 reservoirs as defined under the Reservoir Act 1975 of which 11 large raised reservoirs are the responsibility of Birmingham City Council. The remaining reservoirs are the responsibility of a variety of organisations including Environment Agency (3), Severn Trent Water (5), British Waterways (1) and private companies (2). Of these, two reservoirs are used for drinking water supply and one, a canal feed reservoir at Edgbaston. A list of all the reservoirs in Birmingham is provided in Table F.5 Appendix F.

6.7 The Canal Network in Birmingham

Birmingham has an extensive network of canals, the exact length depends on where you draw the city boundaries, but the whole Birmingham Canal Navigations system extends for approximately 160 miles in total. It is one of the most intricate canal networks in the world. These waterways converge in the city centre at Gas Street Basin.

The canals within Birmingham include:

- Birmingham & Fazeley Canal
- Birmingham Canal Main Line
- Birmingham Canal Old Main Line
- Grand Union Canal
- Tame Valley Canal
- Worcester and Birmingham Canal
- Stratford-upon-Avon Canal

6.8 Conservation Areas

Although much of the study area is already urbanised there are a number of designated conservation sites that preclude development, including:

- A National Nature Reserve (NNR) - Sutton Park to the North of the City;
- Local Nature Reserves (LNR);

²⁷ Jackson, D. (1981) – Hydrochemical aspects of the Triassic sandstone aquifer of the West Midlands, unpublished PhD thesis, Birmingham University.

²⁸ Construction Industry Research and Information Association (CIRIA) (1993) – Rising Groundwater Levels in Birmingham and the Engineering Implications, Special Publication 92.

- Sites of Importance for Nature Conservation (SINC);
- Sites of Local Importance for Nature Conservation (SLINC)

7. Flood Risk Management Measures

7.1 Introduction

This chapter outlines the existing and potential flood risk management measures within, and for, Birmingham as a whole. Flood risk management for all major sources of flooding are considered, together with emergency planning, development control, flood risk management strategies and land management.

7.2 Fluvial Flood Risk Management Measures

7.2.1 Existing Fluvial Flood Defences

Although there has been a gradual shift away from the control of a flood hazard (i.e. Flood Defence) towards managing flood risks, in the past, flood defences would have been built in response to a flooding incident. According to the NFCDD database, the existing flood defences within BCC's administrative boundary include both formal and informal assets. While due to the urban nature of Birmingham there are many informal flood defences that have an unknown Standard of Protection (e.g. factory walls), the (raised) formal flood defences have been designed to protect areas against the 1 in 50 year (2% AEP) fluvial flood event.

A table of the (raised) formal flood defences is provided in Appendix G, and all formal and informal defences on the NFCDD database within Birmingham have been plotted on the Environment Agency Flood Zones and NFCDD Assets constituency maps in Appendix E.

7.2.2 Existing Fluvial Channel Maintenance

Like with the construction of flood defences, in the past, channel maintenance and/or hard engineering to the channel would have been undertaken in response to a flooding incident. According to the NFCDD database, there are many areas within BCC's administrative boundary that receive either maintenance or have had some engineering works undertaken within bank to either improve conveyance of floodwaters or the structural stability of the watercourses. These have been plotted on the Environment Agency Flood Zones and NFCDD Assets constituency maps in Appendix E.

The City Council carries out maintenance on Main Rivers on behalf of the Environment Agency, these are inspected annually and urban debris presenting a flood risk is removed, this frequency is increased for the rivers with the greatest flood risk. Also encroaching tree and bushes which are likely to cause blockage or present a flood risk are also removed. The majority of the ordinary watercourse network is maintained on a reactive maintenance regime, however regular high flood risk hot spots are inspected and maintained on a regular basis.

Due to the large culverted nature of the watercourses in Birmingham, there is an associated risk with trash screens (grills, weed screens) and the potential for blockage through the build up of debris and material. This can cause floodwater to back up and can flood adjacent land or low lying areas as it finds an alternative route around the culvert or structure. BCC operates a trash screen cleansing programme, where screens are cleared on a frequency of either weekly, monthly, three monthly or six monthly depending on the risk and potential for blockage. Additional clearances are also carried out before and/or after severe rainfall events.

7.2.3 Existing Fluvial Flood Warning Services

The Environment Agency operates a flood warning service for residents living and working within the floodplains of rivers and to the media, emergency services and other professional partners. In Birmingham, this service covers part of the main rivers of the Rea, Cole and Tame only, as shown on the Flood Warning Zone constituency maps in Appendix E.

The Environment Agency issue flood warnings based on conditions within catchments. By evaluating this data and Meteorological Office information, the Environment Agency can forecast the impact in Flood Warning Areas. The level of warning issued depends upon the current river/rainfall levels, the forecast severity of the incident and the number of people likely to be affected

The total number of properties covered by the flooding warning service are shown in the Table 7.1 below.

River	Total
Tame	4637
Rea	882
Cole	1072
Total	6691

Table 7.1 – Summary of Properties Numbers within Birmingham Community Based Warning Areas within River Catchments

7.2.3.1 Flood Warning Dissemination Methods

There are a variety of methods used by the Environment Agency to disseminate warnings, as set out below:

- Floodline (0845 988 1188) – a 24 hour service whereby information can be obtained on the latest flood warnings in force for the required stretch of a particular river.
- Floodline Warnings Direct (FWD) – This system is able to automatically send advance warning of flooding in your area by telephone, mobile, fax, pager, SMS text message or email, giving the type of warning, the location, the situation and advice. Residents are required to actively sign up to the flood warning system and provide appropriate 24/7 contact details. (<https://fwd.environment-agency.gov.uk/app/olr/register>)
- The Environment Agency's Website (www.environment-agency.gov.uk/flood) contains advice, information on self help and details of flood warnings in force.
- The media – the media broadcast system is used incorporating local radio, weather and travel reports, broadcasts on TV weather bulletins. Flood warnings are also displayed on ITV1 Teletext page 169 and BBC Ceefax page 419.
- Loudhailer – dissemination of flood warnings via a loudhailer unit may possibly be used to warn large urban areas in the event of an FWD/Automated Voice Messaging (AVM) failure.

7.2.3.2 Flood Warning Stages

There are 4 stages of warnings issued; these are detailed in Table H.1 Appendix H,

- Flood Alert;
- Flood Warning;
- Severe Flood Warning; and
- "Remove Flood Warning".

Flood Alerts may be issued for entire river catchments or groups of river catchments, where as the Community Based Flood Warning Service applies to specific locations known as "Flood Warning Areas", which are more closely targeted. In Birmingham there are 3 Flood Alert Areas and 23 Community Based Flood Warning Areas which cover parts of the main rivers of the Rea, Cole and Tame. Details of these are available in Tables H.2 and H.3 Appendix H.

A Flood Alert allows the Environment Agency to extend coverage of flood warnings to the wider floodplain within river catchments or collections of catchments. Some people in the wider floodplains will only receive a Flood Alert Service, in contrast to some locations which will receive a targeted Flood Warning Service. A Flood Alert only service is viewed as an interim measure, unless it is shown that it is not technically possible to offer anything more. The ultimate goal is a targeted Flood Warning Service for all areas, provided it is technically and financially feasible to do so.

In general, members of the public within areas covered by targeted Community Flood Warnings are not automatically signed up to receive Flood Alerts, however more members of the public are now signed up to receive the Flood Alert especially in urban areas, and any new registrations are also encouraged to receive it.

Should the predicted flooding not take place, or when it has receded and is unlikely to recur, the Environment Agency will issue a downgrade message to the relevant organisations, the public and the media. When all risks of all flooding have passed a 'remove flood warning' message will be issued.

7.3 Sewer Flood Risk Management Measures

Consultation with Severn Trent Water has revealed that they are intending to resolve known sewer flooding problems over the next 5 years as part of its capital investment programme. Therefore, the current localised foul and surface water flooding issues should not need to be taken account of in long term development planning. Severn Trent Water is a key stakeholder in the Birmingham Water Group and will continue to play an active role in forthcoming Surface Water Management Plans, therefore playing a key role in long term flood risk planning for Birmingham.

7.4 Groundwater Flood Risk Management Measures

Since the 1990s a programme of groundwater monitoring at a number of boreholes has taken place, and a water resources management strategy involving the EA and STW has largely controlled the problem of rising groundwater.

7.5 Reservoirs – Flood Risk Management Measures

The operation of reservoirs is strictly managed and legislation has been in place since the 1930s, this was updated by the Reservoirs Act 1975 and the Environment Agency has the enforcing role. Reservoir owners have ultimate responsibility for the safety of their reservoirs and the Reservoir Act 1975 places a demand on the reservoir owner to appoint a Panel Engineer to supervise and inspect the operation and management of the reservoir.

In 2003 the Water Act amended the Reservoir Act 1975 giving the Secretary of State power to direct reservoir undertakers to prepare a reservoir flood plan setting out the action they would take in order to control or mitigate the effects of flooding likely to result from any escape of water from a reservoir, there are two levels of flood planning:

- On-site Plans – to be produced by reservoir owners and operators;
- Off-site Plans – to be produced by local authorities

Local authorities are initially preparing emergency plans for the 100 higher priority reservoirs in England and Wales. Defra and the Welsh Assembly Government have carried out an assessment to identify those reservoirs (approximately 100 of the total 2,000 large raised reservoirs in England and Wales) to be treated as higher priority for emergency planning purposes. The reason for this is to allow local authorities to start putting emergency plans in place.

The higher priority reservoirs have been chosen based on the number of people that could be affected if they failed, and other factors such as the type and age of the dam. If a reservoir has been classed as higher priority it does not mean that the people living in the flood zone are more

at risk of flooding than those in the flood zones of other reservoirs. However, emergency planners will be preparing specific plans for the higher priority reservoirs first (over the next two to three years). Once these plans are finished local authorities may begin to develop specific plans for other reservoirs in their area.

The Flood and Water Management Act 2010 makes a number of changes to the legislation covering reservoirs; one of the aims of those changes is to increase reservoir safety even further by ensuring that plans are developed and held by reservoir owners and managers to enable local emergency responders, like the Police and the Fire and Rescue Service, to respond quickly and effectively to any reservoir emergency.

7.6 The Canal Network – Flood Risk Management Measures

Canals are sensitive to rainfall where the runoff from urban areas can lead to elevated water levels. British Waterways maintains the canal levels using reservoirs, feeders and boreholes and manages the water by transferring it within the canal system.

Water in a canal is maintained at predetermined levels by control weirs to ensure a minimum navigable depth at all times. When rainfall or other water enters the canal, the water level rises and flows out over the weir. If the level continues rising it will reach the levels of the storm weirs, typically set around 50 mm above the control weir.

The control weirs and flood weirs are normally designed to take the water that legally enters the canal under normal conditions. However, it is possible for unexpected water, i.e. a burst water main, to enter the canal or for the weirs to become obstructed (i.e. vandalism). In this case the water continues to rise until it finds a way to escape. Initially this will be by increased flows over the weirs, and later mitigated by British Waterways opening emergency sluices, however, most of the sluice gates around Birmingham are operated automatically and are monitored by telemetry. Beyond this, the water will find the lowest point along the edge of the canal and overtop the canal bank. In the case of a short stretch of canal, this is likely to be at the downstream lock where the water will flow around it. Where the canal is raised above the natural ground level water may overtop the canal and flow down the embankment and may cause the canal to breach due to scour. In areas where there is significant consequence of failure, canals are typically provided with safety gates to reduce the impact in the unlikely event of a breach.

Canal breach will be assessed as part of the Level 2 SFRA.

7.7 Emergency Planning for Flooding

Birmingham City Council hosts a central multi-agency team which is responsible for ensuring emergency management and business continuity arrangements are maintained in order to respond effectively to a range of emergencies within Birmingham. This team, known as the Birmingham Resilience Team (BRT), is a multi-agency team based around what was previously known as the Emergency Planning and Business Continuity Unit. Although one team, the BRT is divided into two elements;

Birmingham City Council Emergency Planning: This element of the BRT consists entirely of City Council Emergency Planning Officers with a primary objective to develop, implement and ensure City Council emergency planning and business continuity plans and arrangements are in place and the Council fulfils the statutory duties placed upon it by the Civil Contingencies Act 2004;

Partnership Emergency Planning: The primary objective of this element of the BRT is to enhance and accelerate the development of Birmingham multi-agency emergency plans and arrangements (including training and exercises) via a co-located multi-agency team. The Police, Fire Services and National Health Service (NHS) have each dedicated one full time officer.

The BRT maintains the Council's corporate Emergency Management Plan which sets out the roles, responsibilities and required actions of key personnel within the City Council. This takes into account the numerous out of hours duty officer roles maintained throughout the range of Council departments. The plan enables the City Council to respond as one organisation to any emergency, and if required, with other key emergency agencies, in a coordinated and effective way.

The Birmingham Resilience Team, in consultation with the Birmingham Resilience Group, has developed a Multi-agency Response Plan which sets out the roles and responsibilities of the different agencies involved in any emergency within the Birmingham area. The Birmingham Resilience Group (BRG) is a new partnership for Birmingham which brings together key agencies responsible for emergency planning, response and recovery. The remit of the BRG includes the strengthening of resilience within Birmingham - this includes community resilience as well as the resilience of agencies responsible for emergency preparedness - through constant planning and regular exercising. The BRG consists of Birmingham City Council, Police, Fire, Ambulance and key agencies within the NHS and a range of other agencies charged by the Civil Contingencies Act 2004 to develop and ensure a collaborative multi-agency approach to emergency management.

Specific procedures for responding to flooding events have been agreed and are detailed within a separate Multi-agency Flood Plan for Birmingham. This includes reference to local community flood warden schemes in operation within Birmingham. The BRT in collaboration with Birmingham Constituencies are encouraging and supporting communities in replicating Community Warden Schemes within other 'at risk' areas. The flood plan outlines the arrangements within the Council for monitoring developing weather conditions and flood incidents. To aid monitoring and preparedness within the Council, Council departments are signed up to receive flood warnings directly from the Environment Agency.

The BRG work programme supports that of the West Midland Conurbation's Resilience Forum and forms a core element of the Forum's structure. The West Midlands Conurbation Resilience Forum provides an opportunity for agencies across seven local authority areas involved in resilience to liaison with other 'Category 1' or 'Category 2' responders. Category 1 responders are any body in the UK that has specific duties as determined under the Civil Contingencies Act (2004) and include:

- Local Authority – Birmingham City Council
- Government Agency – Environment Agency
- Emergency Services – West Midlands Police, West Midlands Fire Service, West Midlands Ambulance Service NHS Trust
- Health Bodies - Health Protection Agency, NHS Trusts

Category 2 responders are those who have a role in supporting Category 1 responders in their duties under the Civil Contingencies Act (2004) and include:

- Utilities – Electricity, Gas, Water and sewerage, public communications providers (landlines and mobiles)
- Transport - Network Rail, Train Operating Companies, Airports, Highways Agency
- Government - Health and Safety Executive
- Health Sector - Strategic Health Authority

7.8 Development Control in Birmingham

BCC and the EA have staff dedicated to the control of development within Birmingham.

The Environment Agency has a role in advising the town and country planning process and will object to inappropriate development within areas at risk of flooding. If planners are minded to go against EA's advice and approve proposed development, they are required to refer the proposal to the Secretary of State²⁹. This only applies to 'major developments' which are defined as a development where:

- the number of dwellings to be constructed is equal to or more than 10; and/or
- the site area is over 0.5 hectares.
- For all other uses, a major development is one where:
- the floorspace to be built is 1000 square metres or more, or where
- the site area is equal to or greater than 1 hectare.

The Environment Agency has direct control over activities that may affect watercourses and the floodplain. According to the Water Resources Act 1991³⁰ and local byelaws,

“anyone wishing to carry out work in, over, under or within 8 metres from the top of bank of a main river, or 5 metres from an Internal Drainage Board watercourse will need to have consent from the Environment Agency.”

Also, under the Land Drainage Act 1991³¹ and byelaws,

“any proposal to construct works within any other watercourse also needs Environment Agency consent if they relate to culverting or structures that resemble a mill, dam or weir.”

Whilst not yet implemented this power will transfer to the Lead Local Flood Authority for ordinary watercourses under the Flood and Water Management Act¹¹.

The Environment Agency's Development and Flood Risk teams support the planning system through the provision of advice and information on flood risk to planning authorities and developers to enable full compliance with PPS25^{1,2}.

7.9 Current Flood Risk Management Plans and Strategies

This section outlines the flood risk management plans and strategies that are currently underway in Birmingham. It does not seek to provide an exhaustive list of all the strategies that are ongoing in Birmingham, but rather an insight into what ones may be implemented within Birmingham.

7.9.1 Environment Agency Strategies

Environment Agency flood risk management strategies follow on from CFMPs and form the next tier of flood risk management. These strategies consider the technical, economical and environmental viability of generic options and makes recommendations for specific locations. Within Birmingham, the Environment Agency have developed a strategy for the River Tame³².

7.9.1.1 The River Tame Flood Risk Management Strategy³²

The River Tame Flood Risk Management Strategy was published in May 2009³² to examine the options available for managing flood risk and makes proposals for an approach over the next 100

²⁹ Town and Country Planning (Flooding) England Direction, 2007

³⁰ Water Resources Act 1991

³¹ Land Drainage Act 1991

³² Environment Agency (2009) – River Tame Flood Risk Management Strategy – Environmental Report – Non-Technical Summary.

years. The strategy considers potential flood risk solutions on the Tame corridor from the Willenhall and Oldbury arms in the Black Country through Birmingham to the confluence with the River Trent.

In order to assess the environmental impacts the catchment has been split into 35 different “flood cells”, but reported the options under consideration as 9 sections of river reaches. Reaches 5, 6 and 7 are within BCC’s administrative boundary and will use a combination of options 3, 4, and 6 which are summarised below:

Option 3 – “Maintain existing flood defences to achieve current flood risk management”;

Option 4 – “Optimise existing storage areas”;

Option 6 – “localised improvements (e.g. raising existing defences)”

The river reaches that these options are being considered within Birmingham are summarised under the respective river reach below.

Reach 5 – Perry Bar and Witton

In the strategy³², the preferred option is a combination of options 3 and 6, and specifically:

We will continue to maintain the channel and existing sections of defences. The proposed localised improvements under Option 6 include raising sections of existing defences and constructing new defences in the Regina Drive area of Perry Barr and in the vicinity of Brookvale Road, Witton. Under this option we also propose to investigate whether we can remove or alter key bridges.

These options will have significant benefits for population, as the number of properties at risk from flooding in a flood event with a 1 % probability of occurring in a year, will be reduced by 864.”

Reach 6 – Gravelly Hill and Bromford

In the strategy³², the preferred option is a combination of options 3 and 6, and specifically:

“We will continue to maintain the channel and existing sections of defences. We propose to reduce the risk of flooding by raising the height of defences and constructing new defences on the left and right banks of the River Tame to protect the areas of Bromford and Castle Vale. We will also investigate whether we can remove a small bridge behind Star City shopping centre.

Our proposals will have significant benefits for people and property by reducing the risk of flooding in a flood event with a 1 % probability of occurring in a year for 1239 properties. The option will also ensure that the risk of flooding to Castle Bromwich Hall and Gardens, an important recreational area and site of a Scheduled Monument, is reduced. To achieve this we intend to raise long sections of flood defences and there will be moderate adverse visual effects and reduced views of the river corridor.”

Reach 7 – Water Orton, Lea Marston and Kingsbury

In the strategy³², the preferred option is a combination of options 3 and 6, and specifically:

“For the majority of the stretch we will maintain the existing defences and continue to carry out channel maintenance in order to maintain the channel flow. We also propose to reduce the risk of flooding in Whitacre Heath by raising a short section of the existing defences.

This combination of options will also have benefits for people and property by reducing the risk of flooding in a flood event with a 1 % probability of occurring in a year for 285 properties.”

7.9.2 Birmingham City Council Strategies

The Birmingham Strategic Flood Risk Management Board which is chaired by BCC will develop a Local Flood Risk Strategy for Birmingham, this will build on work already undertaken through the Preliminary Flood Risk Assessment and the emerging Surface Water Management Plan.

7.10 Potential Flood Risk Management – Land Management

7.10.1 Upland (rural) land use and land management

Since the 1947 Agricultural Act, the UK has experienced a rapid rise in the use of specific crops to attain self-sufficiency in food production. While the actual areas under arable, grassland and rough grazing have remained reasonably constant over the last 50 years, the densities, types of crop and management practices have significantly intensified³³. A summary of the key changes is provided in the Table 7.2 below (note: these are not ranked in terms of importance):

Key Changes	Description
1	General progressive change from spring to Autumn sown cereals
2	Increased mechanisation, changes in trafficking, including an increased use of on-farm contract machinery.
3	An increase in the total number of grazing animals
4	Loss of permanent pasture
5	More intensive use of grassland
6	An increase in field under drainage
7	An expansion in woodland cover (approximately doubling), mainly achieved by increased upland plantings
8	Changes in field sizes, with the removal of hedges and the infilling of ponds

Table 7.2 – Summary of the key changes of land use and land management

The way in which land is used and managed can affect the way runoff is 1) generated; and 2) propagated through a catchment, hence there has been a need to determine whether changes to farming practices could play a role in flood risk management^{33,34}.

Although, the scientific understanding is only in its infancy it is a measure which could prove fruitful for BCC given that several neighbouring LAs have administrative boundaries covering

³³ Defra/Environment Agency (2004) – Review of impacts of rural land use and management on flood generation, R&D Technical Report FD2114/TR

³⁴ Environment Agency (2008) – Delivery of Making Space for Water – HA6: Catchment Scale Land-Use Management and HA7: Land Management Practices

other areas of the main catchments in Birmingham. This is highlighted in a recent study³⁵ that concluded:

“Farmers in the West Midlands seem to be more resigned to the fact that their land is prone to fluvial flooding. As mentioned earlier the flood frequency faced by the West Midlands farmers is relatively high. As a result, farmers in the West Midlands put more emphasis on resilience and warning.”

A summary of the respective research projects into rural upland land use and land management is provided in Appendix I.

³⁵ Posthumus, H. *et al.*, (2009) – Impacts of the summer 2007 floods on agriculture in England, *Journal of Flood Risk Management*, 2, pp 182-189.

8. Flood Hazard and Probability

8.1 Introduction

Due to the vast size of the BCC administrative boundary and the number of potential sites within Birmingham for regeneration and development (862 sites), the definition of flood hazard and probability has been undertaken on a constituency by constituency basis. Although PPS 25^{1,2} advocates that SFRA should be undertaken through a catchment based approach, the approach used for this first phase of the SFRA was adopted because it was envisaged that the outputs would be more user friendly. However, in recognition of the approach prescribed in PPS 25^{1,2}, and because flood risk practitioners and professionals examine landscapes as catchments, a set of catchment maps have been developed. This approach ensures that all users of this document can readily relate to the outputs, as well as use the flood risk data sets produced for windfall sites that are common in Birmingham.

For each constituency a set of plans has been produced, with a drawing to represent each of the following themes:

- Water features including Main Rivers, ordinary watercourses, canals, pools which form part of the river network and reservoirs;
- Historic flooding records, including watercourse, surface water, groundwater, sewer and canal breaches;
- Flood Zones 2 and 3 across the local authority area and the location of formal and informal flood defence assets;
- Areas susceptible to surface water flooding;
- Areas susceptible to groundwater flooding and the location of vulnerable aquifers;
- An assessment of the implications of climate change for flood risk in the study area and the functional floodplain outline where available;
- Existing hydraulic models and Sewerage Management Plan polygons;
- Fluvial Flood Warning Zones; and
- Geology and superficial deposits

The users of this SFRA are advised to refer to the plans for the neighbouring constituencies when the proposed development site is near the constituency boundary in order to get a full appreciation of the flood risk.

8.2 Edgbaston

The constituency of Edgbaston is situated to the south west of the BCC administrative boundary, as illustrated Drawing 5045289/01/01 Appendix E.

8.2.1 Water Features

The main water features in Edgbaston are shown in Table 8.1 below.

Type	Name
Main River	Bourn Brook and Stonehouse Brook
Ordinary watercourse	Bourn Brook, Bartley Brook, Welches Brook, Harts Green Brook, Merritts Brook and Chad Brook
Canals	Birmingham Canal
Reservoirs	Edgbaston Pool, Frankley (Raw Water), Frankley (Pure Water), and Bartley

Table 8.1 – Water features within Edgbaston

8.2.2 Historical Flooding

Edgbaston has experienced the following sources of flooding, as shown in Table 8.2 below.

Source	Number of locations
Fluvial	13
Surface Water	15
Groundwater	2
Sewer	17
Canal Breach	1
Unknown	3

Table 8.2 – Historical flooding within Edgbaston

Drawing 5045289/04/04 in Appendix E provides an overview of the historic flooding records, however refer to Appendix B for details of fluvial flooding, surface water flooding and canal breach events.

8.2.3 Fluvial Flood Zones

Edgbaston has Flood Zones 2 and 3 for Bourn Brook and Chad Brook.

The Fluvial Flood Zones are presented in drawing 5045289/05/04 in Appendix E.

8.2.4 Formal/Informal Flood Defences and Channel Maintenance

Although there are no raised defences along the watercourses in Edgbaston, there are a number of sections of river reach where informal defences, engineered channels, and/ or channel maintenance regimes are undertaken.

These are presented in 5045289/05/04 in Appendix E.

8.2.5 Surface Water Flooding Susceptibility

Like much of Birmingham, Edgbaston is prone to surface water flooding. The majority of the surface water flood risk areas tend to be located along the watercourses with the notable exceptions of:

- Woodgate; and
- just north and east of Harborne.

However, with a wide scatter of reported sewer and surface water flooding locations much of this area can be envisaged to be at risk from surface flooding.

Drawing 5045289/06/04 that illustrates this should be referred to and is provided in Appendix E.

8.2.6 Groundwater Susceptibility and Vulnerability

The groundwater susceptibility mapping for Edgbaston highlights that the west and east areas of this constituency are more likely to be effected by groundwater flooding. However, as historic flooding has been reported on the lowest susceptibility the risks of groundwater flooding are not strictly refined to these areas.

The centre of Edgbaston is situated upon a major aquifer and the west is situated upon a minor aquifer.

The groundwater susceptibility and vulnerability data is presented in Drawing 5045289/07/04 in Appendix E.

8.2.7 Climate Change and Functional Floodplain Zones

Neither the Climate Change nor functional floodplain flood outlines are available for Edgbaston.

8.2.8 Fluvial Flood Warning Zones

There is a fluvial flood warning zone for the River Rea which extends along parts of the Bourn Brook which is to the west of the Edgbaston.

The fluvial flood warning zones for Edgbaston is presented in 5045289/10/04 in Appendix E.

8.2.9 Geology and Superficial Deposits

The Edgbaston constituency has the following key soil properties:

- Loamy and clayey floodplain soils with naturally high groundwater
- Loamy soils with naturally high groundwater
- Slightly acid loamy and clayey soils with impeded drainage
- Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils

Refer to drawing 5045289/11/04 in Appendix E for the geology and superficial deposits data for this constituency.

8.3 Erdington

The constituency of Erdington is situated to the north east of the Birmingham City Centre, as illustrated Drawing 5045289/01/01 Appendix E.

8.3.1 Water Features

The main water features in Erdington are shown in Table 8.3 below.

Type	Name
Main River	River Tame, Hawthorn Brook and Plants Brook
Ordinary watercourse	Warren Brook, Short Heath Brook, Erdington Brook, Dunlop Carrier, Plants Brook and Walmley Ash Brook
Canals	Birmingham and Fazeley Canal
Reservoirs	Witton Lakes and Erdington Service Reservoir (covered)

Table 8.3 – Water features within Erdington

8.3.2 Historical Flooding

Erdington has experienced the following sources of flooding, as shown in Table 8.4 below.

Source	Number of locations
Fluvial	2
Surface Water	0
Groundwater	4
Sewer	3
Canal Breach	0
Unknown	0

Table 8.4 – Historical flooding within Erdington

Drawing 5045289/04/09 in Appendix E provides an overview of the historic flooding records, however refer to Appendix B for details of fluvial flooding, surface water flooding and canal breach events

8.3.3 Fluvial Flood Zones

Erdington has Flood Zones 2 and 3 for the River Tame, Plants Brook and Hawthorn Brook. While the River Tame and Plants Brook are based on recent hydraulic modelling, the Hawthorn Brook is based on the national Flood Zone output (JFLOW).

The Fluvial Flood Zones are presented in drawing 5045289/05/09 in Appendix E.

8.3.4 Formal/Informal Flood Defences and Channel Maintenance

There are raised defences along the River Tame and a number of sections of river reach where informal defences, engineered channels, and/ or channel maintenance regimes are undertaken.

These are presented in 5045289/05/09 in Appendix E.

8.3.5 Surface Water Flooding Susceptibility

Like much of Birmingham, Erdington is prone to surface water flooding. The majority of the surface water flood risk areas tend to be located along the watercourses with the notable exceptions of:

- Castle Vale; and
- an area to the north-west of Tyburn.

There are no reported surface water flooding locations and only three sewer flooding locations, therefore the surface water flooding maps should be used to provide an indication of the areas at risk from surface flooding.

Drawing 5045289/06/09 that illustrates this should be referred to and is provided in Appendix E.

8.3.6 Groundwater Susceptibility and Vulnerability

The groundwater susceptibility mapping for Erdington highlights that the south and east areas of this constituency are more likely to be effected by groundwater flooding, together with areas adjacent to the watercourses in the west. However, as historic flooding (2) has been reported on the lowest susceptibility the risks of groundwater flooding are not strictly refined to these areas.

Much of the north-west of Erdington is situated upon a major aquifer and the south-east is situated upon a minor aquifer.

The groundwater susceptibility and vulnerability data is presented in Drawing 5045289/07/09 in Appendix E.

8.3.7 Climate Change and Functional Floodplain Zones

Climate change and functional floodplain outlines are only available for the River Tame.

The climate change and functional floodplain are presented in Drawing 5045289/09/09 in Appendix E.

8.3.8 Fluvial Flood Warning Zones

There is a fluvial flood warning zone along the River Tame (Main River).

The fluvial flood warning zones for Edgbaston is presented in 5045289/10/09 in Appendix E.

8.3.9 Geology and Superficial Deposits

The Erdington constituency has the following key soil properties:

- Freely draining slightly acid sandy soils
- Loamy and clayey floodplain soils with naturally high groundwater
- Loamy soils with naturally high groundwater
- Slightly acid loamy and clayey soils with impeded drainage
- Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils

Refer to drawing 5045289/11/09 in Appendix E for the geology and superficial deposits data for this constituency.

8.4 Hall Green

The constituency of Hall Green is situated to the south east of the BCC administrative boundary, as illustrated Drawing 5045289/01/01 Appendix E.

8.4.1 Water Features

The main water features in Hall Green are shown in Table 8.5 below.

Type	Name
Main River	River Rea and River Cole
Ordinary watercourse	River Cole, Moseley Brook, Kings Heath Brook, Swanshurst Brook, Coldbath Brook, Sparkhill Brook and Tyseley Brook
Canals	Grand Union Canal
Reservoirs	Swanshurst Pool

Table 8.5 – Water features within Hall Green

8.4.2 Historical Flooding

Hall Green has experienced the following sources of flooding, as shown in Table 8.6 below.

Source	Number of locations
Fluvial	24
Surface Water	0
Groundwater	5
Sewer	18
Canal Breach	0
Unknown	0

Table 8.6 – Historical flooding within Hall Green

Drawing 5045289/04/03 in Appendix E provides an overview of the historic flooding records, however refer to Appendix B for details of fluvial flooding, surface water flooding and canal breach events

8.4.3 Fluvial Flood Zones

Hall Green has Flood Zones 2 and 3 for River Rea and River Cole, this is based on recent hydraulic modelling.

The Fluvial Flood Zones are presented in drawing 5045289/05/03 in Appendix E.

8.4.4 Formal/Informal Flood Defences and Channel Maintenance

There are raised defences along the River Rea and a number of sections of river reach where informal defences, engineered channels, and/ or channel maintenance regimes are undertaken.

These are presented in 5045289/05/03 in Appendix E.

8.4.5 Surface Water Flooding Susceptibility

Like much of Birmingham, Hall Green is prone to surface water flooding. The majority of the flood risk areas tend to be located along the watercourses with the notable exceptions of:

- Sparkbrook;

- Sparkhill; and
- Balsall Heath.

However, with a wide scatter of reported sewer flooding locations much of this area can be envisaged to be at risk from surface flooding.

Drawing 5045289/06/03 that illustrates this should be referred to and is provided in Appendix E.

8.4.6 Groundwater Susceptibility and Vulnerability

The groundwater susceptibility mapping for Hall Green highlights that the west of this constituency are more likely to be effected by groundwater flooding, together with an area which runs along the River Rea corridor. However, as historic flooding has been reported on the lowest susceptibility the risks of groundwater flooding are not strictly refined to these areas.

The centre of Hall Green constituency is situated upon a major aquifer, there are no minor aquifers.

The groundwater susceptibility and vulnerability data is presented in Drawing 5045289/07/03 in Appendix E.

8.4.7 Climate Change and Functional Floodplain Zones

The functional floodplain flood outline is available for the River Rea and River Cole and the climate change outline is available for the River Rea and the main river length of the River Cole.

The climate change and functional floodplain are presented in Drawing 5045289/09/03 in Appendix E.

8.4.8 Fluvial Flood Warning Zones

There is a fluvial flood warning zone along the River Rea and River Cole.

The fluvial flood warning zones for Hall Green is presented in 5045289/10/03 in Appendix E.

8.4.9 Geology and Superficial Deposits

The Hall Green constituency has the following key soil properties:

- Slowly permeable seasonally wet acid loamy and clayey soils
- Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils

Refer to drawing 5045289/11/03 in Appendix E for the geology and superficial deposits data for this constituency.

8.5 Hodge Hill

The constituency of Hodge Hill is situated to the east of the BCC administrative boundary, as illustrated Drawing 5045289/01/01 Appendix E.

8.5.1 Water Features

The main water features in Hodge Hill are shown in Table 8.7 below.

Type	Name
Main River	River Tame and River Cole
Ordinary watercourse	Washwood Heath Brook, Yardley Brook and Sheldon Brook
Canals	Grand Union Canal
Reservoirs	None

Table 8.7 – Water features within Hodge Hill

8.5.2 Historical Flooding

Hodge Hill has experienced the following sources of flooding, as shown in Table 8.8 below.

Source	Number of locations
Fluvial	2
Surface Water	1
Groundwater	1
Sewer	5
Canal Breach	2
Unknown	1

Table 8.8 – Historical flooding within Hodge Hill

Drawing 5045289/04/07 in Appendix E provides an overview of the historic flooding records, however refer to Appendix B for details of fluvial flooding, surface water flooding and canal breach events

8.5.3 Fluvial Flood Zones

Hodge Hill has Flood Zones 2 and 3 outlines for River Tame, River Cole and a small part of the River Rea, this is based on recent Fluvial Flood Zones.

The Fluvial Flood Zones are presented in drawing 5045289/05/07 in Appendix E.

8.5.4 Formal/Informal Flood Defences and Channel Maintenance

There are raised defences along the River Tame and a number of sections of river reach where informal defences, engineered channels, and/ or channel maintenance regimes are undertaken.

These are presented in 5045289/05/07 in Appendix E.

8.5.5 Surface Water Flooding Susceptibility

Like much of Birmingham, Hodge Hill is prone to surface water flooding. The majority of the surface water flood risk areas tend to be located along the watercourses with the notable exceptions of:

- Alum Rock, near the railway;
- Shard End; and
- just west of Ward End

The reported sewer and surface water flooding locations correspond with the areas at risk of surface water flooding; therefore much of this area can be envisaged to be at risk from surface flooding.

Drawing 5045289/06/07 that illustrates this should be referred to and is provided in Appendix E.

8.5.6 Groundwater Susceptibility and Vulnerability

The groundwater susceptibility mapping for Hodge Hill highlights that River Tame, River Cole, River Rea and Washwood Heath Brook corridors are more likely to be effected by groundwater flooding. Outside of the river corridors the area of Tile Cross to the south east of the constituency is also susceptible. The historic reported groundwater flooding is in an area of high/very high susceptibility.

Most of Hodge Hill constituency is situated upon a minor aquifer, the exception being a small area of non-aquifer to the south west of the constituency.

The groundwater susceptibility and vulnerability data is presented in Drawing 5045289/07/07 in Appendix E.

8.5.7 Climate Change and Functional Floodplain Zones

Climate change and functional floodplain outlines are available for the River Tame, River Rea and River Cole.

The climate change and functional floodplain are presented in Drawing 5045289/09/07 in Appendix E.

8.5.8 Fluvial Flood Warning Zones

There is a fluvial flood warning zone along the River Tame, River Rea and some parts of the River Cole.

The fluvial flood warning zones for Hodge Hill is presented in 5045289/10/07 in Appendix E.

8.5.9 Geology and Superficial Deposits

The Hodge Hill constituency has the following key soil properties:

- Loamy and clayey floodplain soils with naturally high groundwater
- Loamy soils with naturally high groundwater
- Slightly acid loamy and clayey soils with impeded drainage
- Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils

Refer to drawing 5045289/11/07 in Appendix E for the geology and superficial deposits data for this constituency.

8.6 Ladywood

The constituency of Ladywood is situated centrally within the BCC administrative boundary and covers the City Centre area, as illustrated Drawing 5045289/01/01 Appendix E.

8.6.1 Water Features

The main water features in Ladywood are shown in Table 8.9 below.

Type	Name
Main River	River Tame, River Rea and Hockley Brook
Ordinary watercourse	Hockley Brook
Canals	Birmingham Canal, Grand Union Canal, Birmingham and Fazeley Canal, Soho Branch Canal and Digbeth Branch Canal
Reservoirs	Rotten Park and Salford

Table 8.9 – Water features within Ladywood

8.6.2 Historical Flooding

Ladywood has experienced the following sources of flooding, as shown in Table 8.10 below.

Source	Number of locations
Fluvial	0
Surface Water	1
Groundwater	1
Sewer	7
Canal Breach	2
Unknown	1

Table 8.10 – Historical flooding within Ladywood

Drawing 5045289/04/06 in Appendix E provides an overview of the historic flooding records, however refer to Appendix B for details of fluvial flooding, surface water flooding and canal breach events

8.6.3 Fluvial Flood Zones

Ladywood has Flood Zones 2 and 3 for the River Tame, River Rea and Hockley Brook. While the River Tame and Rea are based on recent hydraulic modelling, the Hockley Brook is based on the national Flood Zone output (JFLOW), however this is currently being modelled by Birmingham City Council.

The Fluvial Flood Zones are presented in drawing 5045289/05/06 in Appendix E.

8.6.4 Formal/Informal Flood Defences and Channel Maintenance

There are raised defences along the River Tame, River Rea and Main River length of Hockley Brook. There are also a number of sections of river reach where informal defences, engineered channels, and/ or channel maintenance regimes are undertaken.

These are presented in 5045289/05/06 in Appendix E.

8.6.5 Surface Water Flooding Susceptibility

Like much of Birmingham, Ladywood is prone to surface water flooding. The majority of the surface water flood risk areas tend to be located along the watercourses, however there are numerous small areas across the constituency, particularly in the city centre, which are also considered to be at surface water flood risk.

The reported sewer and surface water flooding locations correspond with the areas at risk of surface water flooding; therefore much of this area can be envisaged to be at risk from surface flooding.

Drawing 5045289/06/06 that illustrates this should be referred to and is provided in Appendix E.

8.6.6 Groundwater Susceptibility and Vulnerability

The groundwater susceptibility mapping for Ladywood highlights that River Tame and River Rea corridors are more likely to be effected by groundwater flooding. Outside of the river corridors the groundwater flooding susceptibility is low.

Most of Ladywood constituency is situated upon a major aquifer, the exception being a small area of minor aquifer to the south east of the constituency.

The groundwater susceptibility and vulnerability data is presented in Drawing 5045289/07/06 in Appendix E.

8.6.7 Climate Change and Functional Floodplain Zones

The functional floodplain and climate change outline is available for River Tame and river Rea.

The climate change and functional floodplain are presented in Drawing 5045289/09/06 in Appendix E.

8.6.8 Fluvial Flood Warning Zones

There are fluvial flood warning zones along the River Tame and River Rea.

The fluvial flood warning zones for Ladywood is presented in 5045289/10/06 in Appendix E.

8.6.9 Geology and Superficial Deposits

The Ladywood constituency has the following key soil properties:

- Loamy and clayey floodplain soils with naturally high groundwater
- Loamy soils with naturally high groundwater
- Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils

Refer to drawing 5045289/11/06 in Appendix E for the geology and superficial deposits data.

8.7 Northfield

The constituency of Northfield is situated to the south of the BCC administrative boundary, as illustrated Drawing 5045289/01/01 Appendix E.

8.7.1 Water Features

The main water features in Northfield are shown in Table 8.11 below.

Type	Name
Main River	River Rea, Wood Brook and Stonehouse Brook
Ordinary watercourse	River Rea, Frankley Brook, Egghill Dingle, Leach Heath Brook, Callow Brook, Hanging Brook, Turves Green Brook, West Heath Brook, Staplehall Brook, Merecroft Brook, Masshouse Brook, Merritts Brook, Griffins Brook, Gallows Brook
Canals	Worcester and Birmingham Canal
Reservoirs	Frankly Balancing and Wychall

Table 8.11 – Water features within Northfield

8.7.2 Historical Flooding

Northfield has experienced the following sources of flooding, as shown in Table 8.12 below.

Source	Number of locations
Fluvial	61
Surface Water	40
Groundwater	2
Sewer	13
Canal Breach	0
Unknown	6

Table 8.12 – Historical flooding within Northfield

Drawing 5045289/04/01 in Appendix E provides an overview of the historic flooding records, however refer to Appendix B for details of fluvial flooding, surface water flooding and canal breach events

8.7.3 Fluvial Flood Zones

Northfield has Flood Zones 2 and 3 for River Rea, Merritts Brook and Griffins Brook which is based on recent hydraulic modelling.

The Fluvial Flood Zones are presented in drawing 5045289/05/01 in Appendix E.

8.7.4 Formal/Informal Flood Defences and Channel Maintenance

There are raised defences along the River Rea. There are also a number of sections of river reach where informal defences, engineered channels, and/ or channel maintenance regimes are undertaken.

These are presented in Drawing 5045289/05/01 in Appendix E.

8.7.5 Surface Water Flooding Susceptibility

Like much of Birmingham, Northfield is prone to surface water flooding. The majority of the surface water flood risk areas tend to be located along the watercourses with the notable exceptions of:

- Frankley; and
- Rednal.

The reported sewer and surface water flooding locations correspond with the areas at risk of surface water flooding; therefore much of this area can be envisaged to be at risk from surface flooding.

Drawing 5045289/06/01 that illustrates this should be referred to and is provided in Appendix E.

8.7.6 Groundwater Susceptibility and Vulnerability

The groundwater susceptibility mapping for Northfield highlights that River Rea and Callow Brook corridors are more susceptible to groundwater flooding. Outside of these river corridors the groundwater flooding susceptibility is low.

The west of Northfield constituency is situated upon a minor aquifer, the area to the immediate east of this is on a major aquifer and the remaining central and east parts of the constituency are a non-aquifer

The groundwater susceptibility and vulnerability data is presented in Drawing 5045289/07/01 in Appendix E.

8.7.7 Climate Change and Functional Floodplain Zones

The climate change and functional floodplain flood outlines are available for the River Rea.

8.7.8 Fluvial Flood Warning Zones

There is a fluvial flood warning zone along the River Rea.

The fluvial flood warning zones for Northfield are presented in Drawing 5045289/10/01 in Appendix E.

8.7.9 Geology and superficial deposits

The Northfield constituency has the following key soil properties:

- Slightly acid loamy and clayey soils with impeded drainage
- Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils
- Freely draining slightly acid loamy soils
- Shallow very acid peaty soils over rock

Refer to drawing 5045289/11/01 in Appendix E for the geology and superficial deposits data for this constituency.

8.8 Perry Barr

The constituency of Perry Barr is situated to the north west of the BCC administrative boundary, as illustrated Drawing 5045289/01/01 Appendix E.

8.8.1 Water Features

The main water features in Perry Barr are shown in Table 8.13 below.

Type	Name
Main River	River Tame and Perry Brook
Ordinary watercourse	Perry Brook, Hilltop Brook, Perry Hall Brook and Handsworth Brook
Canals	Tame Valley Canal
Reservoirs	Perry Hall Playing Fields Controlled Washlands and Perry Pool

Table 8.13 – Water features within Perry Barr

8.8.2 Historical Flooding

Perry Barr has experienced the following sources of flooding, as shown in Table 8.14 below.

Source	Number of locations
Fluvial	16
Surface Water	0
Groundwater	4
Sewer	12
Canal Breach	0
Unknown	0

Table 8.14 – Historical flooding within Perry Barr

Drawing 5045289/04/08 in Appendix E provides an overview of the historic flooding records, however refer to Appendix B for details of fluvial flooding, surface water flooding and canal breach events

8.8.3 Fluvial Flood Zones

Perry Barr has Flood Zones 2 and 3 for River Tame and Perry Brook. While the River Tame outline is based on recent hydraulic modelling, the Perry Brook outline is based on the national Flood Zone output (JFLOW).

The Fluvial Flood Zones are presented in drawing 5045289/05/08 in Appendix E.

8.8.4 Formal/Informal Flood Defences and Channel Maintenance

There are raised defences along the River Tame and Main River length of Perry Brook. There are also a number of sections of river reach where informal defences, engineered channels, and/ or channel maintenance regimes are undertaken.

These are presented in Drawing 5045289/05/08 in Appendix E.

8.8.5 Surface Water Flooding Susceptibility

Like much of Birmingham, Perry Barr is prone to surface water flooding. The majority of the surface water flood risk areas tend to be located along the watercourses with the notable exceptions being:

- Great Barr; and
- Handsworth, just west of the Handsworth Brook. From the mapping this would appear to be on original line for the Handsworth Brook which now forms part of the sewer system.

There are no reported surface water flooding locations, however the reported sewer flooding locations correspond with the areas at risk of surface water flooding, therefore much of this area can be envisaged to be at risk from surface flooding

Drawing 5045289/06/08 that illustrates this should be referred to and is provided in Appendix E.

8.8.6 Groundwater Susceptibility and Vulnerability

The groundwater susceptibility mapping for Edgbaston highlights that the central area of constituency is more susceptible groundwater flooding, this coincides with the River Tame corridor. However, as historic flooding has been reported on the lowest susceptibility the risks of groundwater flooding are not strictly refined to these areas.

Perry Barr is situated primarily on a major aquifer with a small area to the west being situated upon a minor aquifer.

The groundwater susceptibility and vulnerability data is presented in Drawing 5045289/07/08 in Appendix E.

8.8.7 Climate Change and Functional Floodplain Zones

The functional floodplain flood and climate change outline is available for River Tame. There are currently no climate change or functional floodplain outlines for the Perry Brook.

The climate change and functional floodplain are presented in Drawing 5045289/09/08 in Appendix E.

8.8.8 Fluvial Flood Warning Zones

There is a fluvial flood warning zone along the River Tame.

The fluvial flood warning zones for Perry Barr is presented in 5045289/10/08 in Appendix E.

8.8.9 Geology and Superficial Deposits

The Perry Barr constituency has the following key soil properties:

- Freely draining slightly acid sandy soils
- Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils
- Loamy soils with naturally high groundwater
- Naturally wet very acid sandy and loamy soils

Refer to drawing 5045289/11/08 in Appendix E for the geology and superficial deposits data for this constituency.

8.9 Selly Oak

The constituency of Selly Oak is situated to the south of the BCC administrative boundary, as illustrated Drawing 5045289/01/01 Appendix E.

8.9.1 Water Features

The main water features in Selly Oak are shown in Table 8.15 below.

Type	Name
Main River	River Rea, Bourn Brook, Wood Brook and The Bourn
Ordinary watercourse	The Bourn, Griffins Brook, Gallows Brook, Cotteridge Brook, Chinn Brook, Slade Brook, Haunch Brook, River Cole, Swanshurst Brook and Peter Brook
Canals	Worcester and Birmingham Canal and Stratford-upon-Avon Canal
Reservoirs	Lifford and Trittiford Mill Pool

Table 8.15 – Water features within Selly Oak

8.9.2 Historical Flooding

Selly Oak has experienced the following sources of flooding, as shown in Table 8.16 below.

Source	Number of locations
Fluvial	35
Surface Water	5
Groundwater	2
Sewer	22
Canal Breach	2
Unknown	4

Table 8.16 – Historical flooding within Selly Oak

Drawing 5045289/04/02 in Appendix E provides an overview of the historic flooding records, however refer to Appendix B for details of fluvial flooding, surface water flooding and canal breach events

8.9.3 Fluvial Flood Zones

Selly Oak has Flood Zones 2 and 3 for River Rea, Bourn Brook, The Bourn, Chinn Brook and the River Cole. All of the outlines are based on recent hydraulic modelling. It is also worth noting that the Chinn Brook is only modelled downstream of the Stratford-upon-Avon canal.

The Fluvial Flood Zones are presented in drawing 5045289/05/02 in Appendix E.

8.9.4 Formal/Informal Flood Defences and Channel Maintenance

There are raised defences along the River Rea, Bourn Brook and The Bourn; there are also a number of sections of river reach where informal defences, engineered channels, and/ or channel maintenance regimes are undertaken.

These are presented in Drawing 5045289/05/02 in Appendix E.

8.9.5 Surface Water Flooding Susceptibility

Like much of Birmingham, Selly Oak is prone to surface water flooding. The majority of the surface water flood risk areas tend to be located along the watercourses with the notable exceptions of:

- Selly Oak; and
- Kings Heath.

The reported sewer and surface water flooding locations correspond with the areas at risk of surface water flooding, therefore verifying that much of this area can be envisaged to be at risk from surface flooding.

Drawing 5045289/06/02 that illustrates this should be referred to and is provided in Appendix E.

8.9.6 Groundwater Susceptibility and Vulnerability

The groundwater susceptibility mapping for Selly Oak highlights that river corridors are more susceptible to groundwater flooding. Outside of these river corridors the groundwater flooding susceptibility is low. The historic reported groundwater flooding are in an areas of very high susceptibility.

The majority of Selly Oak is situated on a non-aquifer, however there are three small areas of the constituency situated on a minor aquifer these are located at Selly Park, along the River Rea corridor and at Warstock, there is also a small area situated on a major aquifer at Selly Oak

The groundwater susceptibility and vulnerability data is presented in Drawing 5045289/07/02 in Appendix E.

8.9.7 Climate Change and Functional Floodplain Zones

The functional floodplain flood outline is available for River Rea, River Cole and Chinn Brook upstream of the canal. The climate change outline is available for the River Rea.

The functional floodplain and climate change outline is presented in Drawing 5045289/09/02 in Appendix E.

8.9.8 Fluvial Flood Warning Zones

There is a fluvial flood warning zone along the River Rea.

The fluvial flood warning zones for Selly Oak are presented in Drawing 5045289/10/02 in Appendix E.

8.9.9 Geology and superficial deposits

The Selly Oak constituency has the following key soil properties:

- Slowly permeable seasonally wet acid loamy and clayey soils
- Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils
- Loamy soils with naturally high groundwater
- Slightly acid loamy and clayey soils with impeded drainage

Refer to drawing 5045289/11/02 in Appendix E for the geology and superficial deposits data for this constituency.

8.10 Sutton Coldfield

The constituency of Sutton Coldfield is situated to the north of the BCC administrative boundary, as illustrated in Drawing 5045289/01/01 in Appendix E.

8.10.1 Water Features

The main water features in Sutton Coldfield are shown in Table 8.17 below.

Type	Name
Main River	River Tame
Ordinary watercourse	Plants Brook, Longmoor Brook, Keepers Brook, Four Oaks Brook, Mere Brook, Langley Brook, Churchill Brook, Lindridge Brook, Ashfurlong Brook, Walmley Ash Brook, Peddimore Brook, Fotherley Brook and Littlehay Brook
Canals	Birmingham and Fazeley Canal
Reservoirs	Bracebridge, Blackroot, Longmoor Pool, Powell's Pool, Wyndley Pool and Penns Hall Lake

Table 8.17 – Water features within Sutton Coldfield

8.10.2 Historical Flooding

Sutton Coldfield has experienced the following sources of flooding, as shown in Table 8.18 below.

Source	Number of locations
Fluvial	19
Surface Water	0
Groundwater	4
Sewer	21
Canal Breach	0
Unknown	1

Table 8.18 – Historical flooding within Sutton Coldfield

Drawing 5045289/04/10 in Appendix E provides an overview of the historic flooding records, however refer to Appendix B for details of fluvial flooding, surface water flooding and canal breach events

8.10.3 Fluvial Flood Zones

Sutton Coldfield has Flood Zones 2 and 3 for the River Tame, Plants Brook, Longmoor Brook and parts of Langley Brook and Lindridge Brook. While the River Tame, Plants Brook and Longmoor Brook outlines are based on recent hydraulic modelling, the other outlines are based on the national Flood Zone output (JFLOW).

The Fluvial Flood Zones are presented in drawing 5045289/05/10 in Appendix E.

8.10.4 Formal/Informal Flood Defences and Channel Maintenance

There are raised defences along the River Tame, there are also a number of sections of river where informal defences, engineered channels, and/ or channel maintenance regimes are undertaken.

These are presented in drawing 5045289/05/10 in Appendix E.

8.10.5 Surface Water Flooding Susceptibility

Like much of Birmingham, Sutton Coldfield is prone to surface water flooding. The majority of the surface water floodrisk areas tend to be located along the watercourses with the notable exceptions of:

- Boldmere;
- parts of Four Oaks
- parts of Mere Green
- parts of Roughley ; and
- parts of Minworth.

However, with a wide scatter of reported sewer flooding locations much of this area can be envisaged to be at risk from surface flooding.

Drawing 5045289/06/10 that illustrates this should be referred to and is provided in Appendix E.

8.10.6 Groundwater Susceptibility and Vulnerability

The groundwater susceptibility mapping for Sutton Coldfield highlights that east areas of this constituency are more likely to be affected by groundwater flooding, however much of this is along the existing watercourse corridors. However, as historic flooding has been reported on the lowest susceptibility the risks of groundwater flooding are not strictly refined to these areas.

The west of Sutton Coldfield is situated upon a major aquifer and parts of the east are situated upon a minor aquifer.

The groundwater susceptibility and vulnerability data is presented in Drawing 5045289/07/10 in Appendix E.

8.10.7 Climate Change and Functional Floodplain Zones

The Climate Change and functional floodplain flood outlines are only available for the River Tame.

The climate change and functional floodplain are presented in Drawing 5045289/09/10 in Appendix E.

8.10.8 Fluvial Flood Warning Zones

There is a fluvial flood warning zone along the River Tame.

The fluvial flood warning zones for Sutton Coldfield are presented in 5045289/10/10 in Appendix E.

8.10.9 Geology and superficial deposits

The Sutton Coldfield constituency has the following key soil properties:

- Freely draining slightly acid sandy soils
- Freely draining slightly acid loamy soils
- Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils
- Slightly acid loamy and clayey soils with impeded drainage
- Loamy soils with naturally high groundwater

Refer to drawing 5045289/11/10 in Appendix E for the geology and superficial deposits data for this constituency.

8.11 Yardley

The constituency of Yardley is situated to the east of the BCC administrative boundary, as illustrated in Drawing 5045289/01/01 Appendix E.

8.11.1 Water Features

The main water features in Yardley are shown in Table 8.19 below.

Type	Name
Main River	River Cole, Westley Brook, Hatchford Brook
Ordinary watercourse	Spark Brook, Tyseley Brook, Westley Brook and Sheldon Brook
Canals	Grand Union Canal
Reservoirs	None

Table 8.19 – Water features within Yardley

8.11.2 Historical Flooding

Yardley has experienced the following sources of flooding, as shown in Table 8.20 below.

Source	Number of locations
Fluvial	2
Surface Water	2
Groundwater	1
Sewer	8
Canal Breach	2
Unknown	0

Table 8.20 – Historical flooding within Yardley

Drawing 5045289/04/05 in Appendix E provides an overview of the historic flooding records, however refer to Appendix B for details of fluvial flooding, surface water flooding and canal breach events

8.11.3 Fluvial Flood Zones

Yardley has Flood Zones 2 and 3 for the River Cole, Westley Brook and Hatchford Brook. While the River Cole outline is based on recent hydraulic modelling, the other outlines are based on the national Flood Zone output (JFLOW).

The Fluvial Flood Zones are presented in drawing 5045289/05/05 in Appendix E.

8.11.4 Formal/Informal Flood Defences and Channel Maintenance

There are raised defences along the Westley Brook and Hatchford Brook, there are also a number of sections of river reach where informal defences, engineered channels, and/ or channel maintenance regimes are undertaken.

These are presented in 5045289/05/05 in Appendix E.

8.11.5 Surface Water Flooding Susceptibility

Like much of Birmingham, Yardley is prone to surface water flooding. The majority of the surface water flood risk areas tend to be located along the watercourses with the notable exceptions of:

- Stetchford;
- just east of Acocks Green; and
- Lea Hall.

However, with a wide scatter of reported sewer and surface water flooding locations much of this area can be envisaged to be at risk from surface flooding.

Drawing 5045289/06/05 that illustrates this should be referred to and is provided in Appendix E.

8.11.6 Groundwater Susceptibility and Vulnerability

The groundwater susceptibility mapping for Yardley highlights that the west and east areas of this constituency are more likely to be affected by groundwater flooding.

There are several areas of Yardley Constituency that are situated upon a minor aquifer.

The groundwater susceptibility and vulnerability data is presented in Drawing 5045289/07/05 in Appendix E.

8.11.7 Climate Change and Functional Floodplain Zones

The climate change and functional floodplain flood outlines are only available for the River Cole

The functional floodplain is presented in Drawing 5045289/09/05 in Appendix E.

8.11.8 Fluvial Flood Warning Zones

There is a fluvial flood warning zone along the River Cole

The fluvial flood warning zones for Yardley are presented in 5045289/10/05 in Appendix E.

8.11.9 Geology and superficial deposits

The Yardley constituency has the following key soil properties:

- Loamy soils with naturally high groundwater
- Slightly acid loamy and clayey soils with impeded drainage
- Slowly permeable seasonally wet acid loamy and clayey soils
- Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils

Refer to drawing 5045289/11/05 in Appendix E for the geology and superficial deposits data for this constituency.

9. PPS25 & the Sequential Test

9.1 Application of the Sequential Test

A Sequential Test approach has been undertaken using the land allocations as identified by Birmingham City Council. Information available included four sets of data:

- Residential sites from the Strategic Housing Land Availability Assessment (2010)
- Commercial Sites (2011)
- Core Employment Areas identified through the Employment Land Review (2010)
- Aston, Lozells and Newtown Area Action Plan (AAP) (2011)

The results of the Sequential Test detailed within this SFRA document provide the information required to ensure appropriate land uses are adopted for the level of flood risk at each site. However to complete the Sequential Test the developer must assess whether there are any alternative sites at a lower risk of flooding which could facilitate this type of development. Furthermore, where necessary, sites which require the Exception Test have been identified.

9.2 Assessing Flood Risk and Applying the Sequential Test

The Sequential analysis has been undertaken in three stages:

- The first stage is a preliminary analysis of flood risk across the Borough to identify the different PPS25 Flood Zones and to identify the constraints that are imposed upon development within these zones. This initial assessment will provide council planners and developers the information that they will need to locate future development outside of flood risk areas, or at least to low risk areas, in accordance with the Sequential Test.
- The second stage of the analysis includes a more detailed assessment of the potential housing and employment areas that have been identified by Birmingham City Council against these flood risk zones. Sites have been assessed for their proposed uses appropriateness against level of flood risk.
- An assessment of the flood risk from all other sources to identify sites that are outside of the Flood Zones but may still require a FRA as they are at risk of flooding from other sources.

9.3 Identification of Flood Zones and Development Constraints

PPS25^{1,2} provides detail of the Flood Zones and the appropriate land use vulnerabilities for each of these sites. A summary of each Flood Zone and land use is provided Table 9.1 below.

Flood Risk Vulnerability classification (see Table D2)		Essential Infrastructure	Water compatible	Highly Vulnerable	More Vulnerable	Less Vulnerable
Flood Zone (see Table D.1)	Zone 1	✓	✓	✓	✓	✓
	Zone 2	✓	✓	Exception Test required	✓	✓
	Zone 3a	Exception Test required	✓	✗	Exception Test required	✓
	Zone 3b 'Functional Floodplain'	Exception Test required	✓	✗	✗	✗

Key:

✓ Development is appropriate

✗ Development should not be permitted

Table 9.1 – Flood Risk Vulnerability and Flood Zone Compatibility

A description of the development type appropriate to each vulnerability class is provided Table 9.2 below.

Vulnerability	Development Type
Essential Infrastructure	<ul style="list-style-type: none"> Essential transport infrastructure (including mass evacuation routes) which has to cross the area at risk. Essential utility infrastructure which has to be located in a flood risk area for operational reasons, including electricity generating power stations and grid and primary substations; and water treatment works that need to remain operational in times of flood. Wind turbines.
Highly Vulnerable	<ul style="list-style-type: none"> Police stations, Ambulance stations and Fire stations and Command Centres and telecommunications installations required to be operational during flooding. Emergency dispersal points. Basement dwellings. Caravans, mobile homes and park homes intended for permanent residential use. Installations requiring hazardous substances consent. (Where there is a demonstrable need to locate such installations for bulk storage of materials with port or other similar facilities, or such installations with energy infrastructure or carbon capture and storage installations, that require coastal or water-side locations, or need to be located in other high flood risk areas, in these instances the facilities should be classified as 'Essential Infrastructure').

<p>More Vulnerable</p>	<ul style="list-style-type: none"> • Hospitals. • Residential institutions such as residential care homes, children’s homes, social services homes, prisons and hostels. • Buildings used for: dwelling houses; student halls of residence; drinking establishments; nightclubs; and hotels. • Non–residential uses for health services, nurseries and educational establishments. • Landfill and sites used for waste management facilities for hazardous waste. • Sites used for holiday or short-let caravans and camping, subject to a specific warning and evacuation plan.
<p>Less Vulnerable</p>	<ul style="list-style-type: none"> • Police, ambulance and fire stations which are not required to be operational during flooding. • Buildings used for: shops; financial, professional and other services; restaurants and cafes; hot food takeaways; offices; general industry; storage and distribution; non–residential institutions not included in ‘more vulnerable’; and assembly and leisure. • Land and buildings used for agriculture and forestry. • Waste treatment (except landfill and hazardous waste facilities). • Minerals working and processing (except for sand and gravel working). • Water treatment works which do not need to remain operational during times of flood. • Sewage treatment works (if adequate measures to control pollution and manage sewage during flooding events are in place).
<p>Water-compatible Development</p>	<ul style="list-style-type: none"> • Flood control infrastructure. • Water transmission infrastructure and pumping stations. • Sewage transmission infrastructure and pumping stations. • Sand and gravel workings. • Docks, marinas and wharves. • Navigation facilities. • MOD defence installations. • Ship building, repairing and dismantling, dockside fish processing and refrigeration and compatible activities requiring a waterside location. • Water-based recreation (excluding sleeping accommodation). • Lifeguard and coastguard stations. • Amenity open space, nature conservation and biodiversity, outdoor sports and recreation and essential facilities such as changing rooms. • Essential ancillary sleeping or residential accommodation for staff required by uses in this category, subject to a specific warning and evacuation plan.

Table 9.2 – Flood Risk Vulnerability Classification

In order to conduct the Sequential Test the intended land use of the sites are required. Birmingham City Council has identified which sites are intended for residential use, employment use and commercial use. The residential use is classed as a ‘More Vulnerable’ land use by PPS25 and generally employment land and commercial use is classed as ‘Less Vulnerable’ land use however this may vary slightly depending on the specific use.

9.4 Assessment of Sites against Flood Zones

As detailed in Section 5.2.6, the Flood Zone 2 and 3a outlines for Birmingham have been obtained from the Environment Agency's Flood Map. The Flood Zone 3b outline is only available for the River Tame, River Rea and River Cole (Main River and Ordinary watercourse lengths)

In total there are 1468 residential sites, 418 commercial sites, 66 core employment areas and 50 AAP sites, current and proposed. The initial, Level 1 screening of the residential sites against the PPS25 Flood Zones has identified that 49 sites fall within Flood Zone 2 'Medium Probability' risk area and are therefore subject to the Exception Test should Highly Vulnerable land uses be proposed. 102 sites are within the 'High Probability' Flood Zone 3a and 91 sites are within the Functional Floodplain Flood Zone 3b. For the sites located within Flood Zone 3a and 3b greater restrictions are imposed under PPS25 on the types of development deemed appropriate, as detailed in Table 9.3 below. However prior to undertaking the exception test alternative sites of lower flood risk should be sought.

Development Type	Flood Zone 1 Low Probability	Flood Zone 2 Medium Probability	Flood Zone 3a High Probability	Flood Zone 3b Functional Floodplain
Residential	1468	22	57	31
Commercial	340	20	34	24
Employment	66	5	5	29
Aston, Lozells and Newtown AAP	35	2	6	7

Table 9.3 – Number of Land Allocations in Flood Zones

9.4.1 Site Specific Results

Birmingham City Council have identified proposed land uses for each of the sites assessed within the SFRA, the application of the Sequential Test to each of these sites and the intended land uses has resulted in 3 groupings;

- Sites where proposed land use is appropriate, however sites of lower flood risk should always be sought first to ensure that the Sequential Test is passed
- Sites which require application of the Exception Test, where the Sequential Test has identified there are no alternative sites with a lower flood risk
- Sites where the intended land use is not appropriate

It should be noted that the Flood Zone attributed to the allocation site represents the 'worst case' as prescribed by PPS25. No consideration is given to the proportions of the site within each floodplain which, at a site specific level of detail, may actually provide the required area for development outside of the 'worst case' Flood Zone.

9.4.2 Residential Sites

Flood Zone 1

As previously identified, 1376 of the 1468 sites identified as potential or current housing development sites are identified to be within Flood Zone 1. These sites, under PPS25, are not subject to any constraints as a result of fluvial flood risk, but may still require a FRA if they are over 1 hectare or are shown as susceptible to flooding from other sources.

Flood Zone 2

The 22 sites in Table 9.4 below are located to some degree within Flood Zone 2. Although PPS25 does not restrict the use of these sites for residential developments it is noted that if and where possible, sites of a lower flood risk, i.e. Flood Zone 1, should be utilised first.

Site Ref	Address	Constituency	Partially or Fully with Flood Zone 2
CC102	Adj Magnolia House, Highgate St	Ladywood	Partially
CC191	SITE OF BARFORD HOUSE, LAWFORD GROVE, GOOCH STREET	Ladywood	Partially
CC198	10, ST. LUKES ROAD	Ladywood	Partially
CC207	LAND BOUNDED BY, BRADFORD STREET AND BIRCHALL STREET AND GREEN STREET	Ladywood	Partially
CC227	ADJACENT RIVER REA AND, MONTAGUE STREET	Ladywood	Partially
CC242	111-112, DIGBETH	Ladywood	Partially
CC81	Land btw Allison St / Coventry St / Meridan St	Ladywood	Partially
CC93	Hurst St / Sherlock St / Skinner La / Pershore Rd	Ladywood	Partially
CC95	Btw Lower Exxes St / Kent St / Sherlock St / Hurst St	Ladywood	Partially
E328	REAR OF BROMFORD INN PUBLIC HOUSE, BROMFORD LANE	Hodge Hill	Partially
E352	1044, COVENTRY ROAD	Yardley	Fully
E408	SITE OF 27 TO 41, EMBLETON GROVE	Hodge Hill	Partially
E58	Albert Road/Station Road	Yardley	Partially
E98	Garages adj Thistle House	Hodge Hill	Partially
N443	22, SOUTH PARADE	Sutton Coldfield	Partially
N476	83 TO 89, WATER ORTON LANE	Sutton Coldfield	Partially
N9	Wellington Road, Aston	Perry Barr	Partially
S107	California Pentecostal Church adjoining 176 Stonehouse Lane	Edgbaston	Partially
S141	308-330 Pershore Road	Edgbaston	Partially
S351	REAR OF 768 TO 772, PERSHORE ROAD	Selly Oak	Partially
S38	Allenscroft Road	Selly Oak	Partially
S98	694-704 Pershore Road	Selly Oak	Partially

Table 9.4 – Residential Sites located within Flood Zone 2

Flood Zone 3a

The 57 sites in Table 9.5 below are located to some degree within Flood Zone 3a. As identified in PPS25, these sites require an Exception Test if it is to be demonstrated that they are appropriate, considering all non-flood risk related sustainability issues, for residential development. Prior to promoting to these sites, investigations should be undertaken to determine whether sites of lower

flood risk, Flood Zone 1 or 2 sites, could be used as alternative sites, where no alternative site exists these sites will need to be considered in more detail in the Level 2 Assessment.

Site Ref	Address	Constituency	Partially or Fully with Flood Zone 3a
CC106	Btw Fazeley St / River Rea / Canal	Ladywood	Partially
CC107	Jcn of Fazeley St / Pickford St	Ladywood	Partially
CC110	Btw Barford S / Rea St South / Moseley St	Ladywood	Fully
CC111	Btw Sherlock St / Hurst St / Bishop St	Ladywood	Partially
CC112	Btw Sherlock St / Bishop St / Barford St	Ladywood	Partially
CC197	28 TO 58, BERRINGTON WALK	Ladywood	Partially
CC199	BARROW WALK, ST.LUKES ROAD	Ladywood	Partially
CC200	BERRINGTON WALK, ST. LUKES ROAD	Ladywood	Fully
CC203	TYPHOO WHARF, BORDESLEY STREET	Ladywood	Partially
CC208	LAND CORNER OF, BRADFORD STREET AND REA STREET	Ladywood	Fully
CC209	LAND FRONTING, BRADFORD STREET	Ladywood	Fully
CC210	LAND CORNER OF, HIGH STREET DERITEND AND STONE YARD	Ladywood	Partially
CC211	LAND CORNER OF, CHAPEL HOUSE STREET AND BRADFORD STREET	Ladywood	Fully
CC212	LAND CORNER OF, HIGH STREET DERITEND AND CHAPEL HOUSE STREET	Ladywood	Fully
CC214	LAND BOUNDED BY, BRADFORD STREET AND BIRCHALL STREET AND CHEAPSIDE	Ladywood	Fully
CC215	FORMER HARRISON DRAPE BUILDING, BRADFORD STREET	Ladywood	Partially
CC216	BULL RING TRADING ESTATE, HIGH STREET DERITEND	Ladywood	Partially
CC218	46 TO 48, BRADFORD STREET	Ladywood	Fully
CC256	44, BRADFORD STREET	Ladywood	Fully
CC80	Land btw Meridan St / Oxford St / Coventry St / Railway	Ladywood	Partially
CC87	Mosseley St / Rea St / Cheapside / Charles Henry St	Ladywood	Fully
CC88	Rea St / Land bounded by Moseley St / Bradford St / Barford St	Ladywood	Fully
CC89	St Eugines Court Rea ST	Ladywood	Fully
CC90	Btw High St Deritent / Mill La / Bradford St	Ladywood	Partially
CC91	Wholesale markets , Barford St	Ladywood	Partially
E157	Jcn of Edward Rd & Harbury Rd	Hall Green	Fully
E158	Btw Pershore Rd & Alexandra Rd	Hall Green	Partially

Site Ref	Address	Constituency	Partially or Fully with Flood Zone 3a
E184	Site of Public Baths Farnborough Road	Erdington	Partially
E216	LAND ADJACENT 52, ORCHARD WAY	Hall Green	Partially
E247	FORMER MEB DEPOT, GEORGE ROAD	Erdington	Partially
E34	Little Bromwich Road (50 - 64)	Hodge Hill	Partially
E409	ADJACENT 32, CADBURY DRIVE	Erdington	Partially
E415	SITE OF TERNHILL HOUSE, HALFPENNY FIELD WALK	Erdington	Partially
N101	New Triumphant Pentecostal Church, Farm Street	Ladywood	Partially
N111	330 Hospital Street	Ladywood	Fully
N139	Site adjacent to 59 Perry Common Road	Erdington	Partially
N140	Site including 3 - 7 & 15, 17 Perry Common Road & 2 - 6 Turfpit Lane	Erdington	Partially
N189	5-7 Crescent Avenue	Ladywood	Partially
N249	Site and garages rear of 14 Severn Court, Garrard Gardens	Sutton Coldfield	Partially
N362	LAND BOUNDED BY, ALMA STREET AND MEWS WALK AND PORCHESTER STREET	Ladywood	Partially
N382	LAND BETWEEN, DOVEDALE ROAD AND HURSTWOOD ROAD	Erdington	Partially
N385	39 TO 149, DOVEDALE ROAD	Erdington	Partially
N65	North Newtown Area 2 site 4	Ladywood	Partially
S102	21 Merritts Brook Lane	Northfield	Partially
S109	Land fronting 17-35 Stonebrook Way	Edgbaston	Partially
S11	Cadnam Close	Edgbaston	Partially
S116	1-7 Swinford Road	Edgbaston	Partially
S128	Druids Lane site, Druids Heath	Selly Oak	Partially
S129	2-100 Leasow Drive & land to the rear of.	Edgbaston	Partially
S203	Land to the rear of 2-87 Station Road	Northfield	Partially
S223	BIRMIINGHAM BATTERY SITE, OFF HARBORNE LANE	Selly Oak	Partially
S23	186, HARBORNE ROAD	Edgbaston	Partially
S24	184, HARBORNE ROAD	Edgbaston	Partially
S275	LAND ADJACENT 44, STATION ROAD	Northfield	Partially
S353	REAR OF 34A TO 40, OAKFIELD ROAD	Selly Oak	Partially
S452	1159 TO 1171, PERSHORE ROAD	Selly Oak	Partially
S67	Prestwood road (rear 29)	Northfield	Partially

Table 9.5 – Residential Sites located within Flood Zone 3a

Flood Zone 3b (Functional Floodplain)

The 31 sites in Table 9.6 below are to some degree located with Flood Zone 3b, Functional Floodplain. PPS25 considers that residential development within this zone is not acceptable and should not be permitted; these sites will need to be assessed in more detail as part of the Level 2 assessment.

Site Ref	Address	Constituency	Partially or Fully with Flood Zone 3b
CC113	Rea St South	Ladywood	Partially
CC12	St Lukes Site F	Ladywood	Partially
CC196	SITE OF PRINCETHORPE TOWER, CONYBERE STREET	Ladywood	Partially
E106	Btw 17 Hyperion Rd & 7 Papyrus Way	Hodge Hill	Fully
E107	Adj 17 Papyrus Way	Hodge Hill	Fully
E108	Jcn of Tipperary Cl & Trigo Croft	Hodge Hill	Fully
E109	Adj 7 - 17 Hyperion Rd	Hodge Hill	Fully
E110	Land Adj 25 Trigo Croft	Hodge Hill	Fully
E111	Rear of 19 - 25 Trigo Croft	Hodge Hill	Fully
E165	Percy Rd / Evelyn Rd	Hall Green	Partially
E375	ADJACENT 1, WINCANTON CROFT	Hodge Hill	Fully
E410	LAND OFF, LANCASTER DRIVE AND FARNBOROUGH ROAD	Erdington	Partially
E51	Plough and Harrow, Coventry Road	Yardley	Partially
E59	B&Q Site Station Road Stechford	Yardley	Partially
E89	Land off Roma Rd	Yardley	Partially
E95	Jcn of Bromford Dr & Reynoldstown Rd	Hodge Hill	Fully
N177	Site rear of 110-153 Tame Road	Perry Barr	Partially
N374	LAND OFF, WITTON ROAD AND TAME ROAD	Perry Barr	Partially
N379	CORNER, LONG ACRE AND CROMPTON ROAD	Ladywood	Partially
S106	Land to the rear of 50-138 Brinklow Road	Edgbaston	Partially
S108	Land to the rear of 132-176 Stonehouse Lane	Edgbaston	Partially
S224	FORMER MG ROVER WORKS, BRISTOL ROAD SOUTH	Northfield	Partially
S254	NORTH WORKS, LONGBRIDGE LANE	Northfield	Partially
S255	NORTH WORKS, BRISTOL ROAD SOUTH	Northfield	Partially
S262	MILL LANE	Northfield	Partially
S304	245 to 247, HARBORNE LANE	Selly Oak	Partially
S346	LAND FRONTING, PERSHORE ROAD	Selly Oak	Partially

Site Ref	Address	Constituency	Partially or Fully with Flood Zone 3b
S347	1125 TO 1157, PERSHORE ROAD	Selly Oak	Partially
S348	LAND AT, BEWDLEY ROAD	Selly Oak	Partially
S418	146 TO 156, SAREHOLE ROAD	Hall Green	Partially
S99	582-588 Pershore Road	Selly Oak	Partially

Table 9.6 – Residential Sites located within Flood Zone 3b – Functional Floodplain

9.4.3 Commercial Sites

The commercial sites have been assessed, as part of this Level 1 SFRA, on the basis that the end use of these sites is currently unknown. Without detailed information on the end use of proposed developments it is not possible to make clear recommendations as to whether an area is appropriate or not appropriate for development within specific Flood Zones. Needless to say, areas of a lower risk should always be sought when and where possible. Table 9.2 provides a summary of land use classifications, as identified by Table D.2. Flood Risk Vulnerability Classification of PPS25, which should be referred to when considering land use proposals for specific areas.

Flood Zone 1

Birmingham City Council has identified a total of 418 areas that are, or have the potential to be, for employment usage. 340 of these areas are located within Flood Zone 1 and therefore are not subject to site usage constraints according to PPS25, but may still require a FRA if they are shown as susceptible to flooding from other sources.

Flood Zone 2

The 20 sites in Table 9.10 below are located to some degree within Flood Zone 2, 'Medium Probability'. PPS25 considers that this flood zone is appropriate for all developments apart from those classified as 'Highly Vulnerable', these sites would require an Exception Test to be carried out. However it is noted that if and where possible sites of lower flood risk, i.e. Flood Zone 1, should be utilised first, where no alternative site exists these sites will need to be considered in more detail in the Level 2 Assessment.

Site Ref	Address	Street	Constituency	Partially or Fully with Flood Zone 2
027820400	SITE OF THE OLD MILL PUBLIC HOUSE	ABBEYDALE ROAD	Northfield	Partially
048330201	BIRMIINGHAM BATTERY SITE	OFF HARBORNE LANE	Selly Oak	Partially
068440701	308 TO 330	PERSHORE ROAD	Edgbaston	Partially
068440702	LAND ADJACENT CRICKET GROUND AND REAR OF	PERSHORE ROAD	Edgbaston	Partially
069130400	REGINA DRIVE	WALSALL ROAD	Perry Barr	Partially
078422300	LAND AT HADEN WAY AND	BELGRAVE MIDDLEWAY	Hall Green	Partially
078622700	89 AND 90	MERIDEN STREET	Ladywood	Partially

079010900	LAND REAR	ASTON LANE	Ladywood	Partially
079020603	FORMER IMI WORKS	WITTON ROAD	Perry Barr	Partially
079020607	FORMER IMI WORKS	WITTON ROAD	Perry Barr	Partially
079130800	HOLFORD DRIVE PLAYING FIELDS	HOLFORD DRIVE	Perry Barr	Partially
088632900	11	BROMLEY STREET	Ladywood	Partially
098321900	GREET PRIMARY SCHOOL	PERCY ROAD	Hall Green	Partially
098442900	FORMER FISHER FOUNDRIES LTD	ALBION ROAD	Yardley	Partially
098711300	30	INKERMAN STREET	Ladywood	Partially
098912300	LAND ADJACENT BOC	PLUME STREET	Ladywood	Partially
108930600	FORMER ALSTOM SITE	COMMON LANE	Hodge Hill	Partially
118920500	SITE CORNER OF	BROMFORD ROAD AND FORT PARKWAY	Erdington	Fully
118930102	HEARTLANDS CENTRAL	BETWEEN WOLSELEY DRIVE AND DREWS LANE	Hodge Hill	Partially
139040600	FMR.STAGECOACH PUBLIC HOUSE	BERRANDALE ROAD	Hodge Hill	Partially

Table 9.7 – Commercial Sites located within Flood Zone 2

Flood Zone 3a

The 34 sites in Table 9.8 below are identified to be located within Flood Zone 3a. For these sites 'Water Compatible' and 'Less Vulnerable' uses are considered appropriate, an Exception Test is required for 'Essential Infrastructure' and 'More Vulnerable' uses and PPS 25 identifies that these sites are not appropriate for 'Highly Vulnerable' uses, these sites will need to be assessed in more detail as part of the Level 2 assessment.

Site Ref	Address	Street	Constituency	Partially or Fully with Flood Zone 3a
028320100	LAND ADJACENT 100 TO 146	FERNCLIFFE ROAD	Edgbaston	Partially
048330202	BIRMINGHAM BATTERY ADJACENT TO RAILWAY	OFF HARBORNE LANE	Selly Oak	Partially
058141300	LAND AT	HAZELWELL LANE AND PERSHORE ROAD	Selly Oak	Partially
058811900	LAND CORNER OF	SOHO POOL WAY AND PARK ROAD	Ladywood	Partially
068440501	EDGBASTON MILL	EDGBASTON ROAD	Edgbaston	Partially
068440504	EDGBASTON MILL	EDGBASTON ROAD	Edgbaston	Partially
069220400	ALEXANDER STADIUM	WALSALL ROAD	Perry Barr	Partially
069220500	CENTRAL MOTORWAY POLICE CENTRE	THORNBRIDGE AVENUE	Perry Barr	Partially
078622200	LAND BOUNDED BY	DIGBETH AND COVENTRY STREET AND OXFORD	Ladywood	Partially

		STREET AND MERIDEN STREET		
078622300	TYPHOO WHARF	BORDESLEY STREET	Ladywood	Partially
078643101	LAND CORNER OF	BRADFORD STREET AND REA STREET	Ladywood	Fully
078643102	LAND CORNER OF	HIGH STREET DERITEND AND REA STREET	Ladywood	Partially
078643103	LAND FRONTING	BRADFORD STREET	Ladywood	Fully
078643104	LAND CORNER OF	HIGH STREET DERITEND AND STONE YARD	Ladywood	Partially
078643105	LAND CORNER OF	CHAPEL HOUSE STREET AND BRADFORD STREET	Ladywood	Fully
078643106	LAND CORNER OF	HIGH STREET DERITEND AND CHAPEL HOUSE STREET	Ladywood	Fully
078643300	LAND BOUNDED BY	BRADFORD STREET AND BIRCHALL STREET AND CHEAPSIDE	Ladywood	Fully
078643400	FORMER HARRISON DRAPE BUILDING	BRADFORD STREET	Ladywood	Partially
078643600	BULL RING TRADING ESTATE	HIGH STREET DERITEND	Ladywood	Partially
078822100	ASTON MANOR SCHOOL	PHILLIPS STREET	Ladywood	Fully
079020604	FORMER IMI WORKS	WITTON ROAD	Perry Barr	Partially
079020606	FORMER IMI WORKS	WITTON ROAD	Perry Barr	Partially
079020608	FORMER IMI WORKS	WITTON ROAD	Perry Barr	Partially
079020609	FORMER IMI WORKS	WITTON ROAD	Perry Barr	Partially
079120114	HOLFORD PARK	THAMESIDE DRIVE HOLFORD WAY	Perry Barr	Partially
088811102	LAND BETWEEN	CHESTON ROAD AND BIRMINGHAM TO FAZELEY CANAL	Ladywood	Partially
088811600	ADJACENT BIRMINGHAM TO FAZELEY CANAL	CORNER OF ROCKY LANE AND CHESTER STREET	Ladywood	Fully
098912800	CUCKOO WHARF BUSINESS PARK	LICHFIELD ROAD	Ladywood	Partially
099030400	SALFORD METALS	LICHFIELD ROAD	Ladywood	Partially
099240300	162 TO 164	STREETLY ROAD	Erdington	Partially
118940601	REAR OF BROMFORD INN PUBLIC HOUSE	BROMFORD LANE	Hodge Hill	Partially
139140500	ABOVE UNITS 3 AND 4	CHESTER ROAD	Erdington	Fully
149020500	FORMER SKYLARK PUBLIC HOUSE	FARNBOROUGH ROAD	Erdington	Fully
158310500	2259 TO 2297	COVENTRY ROAD	Yardley	Partially

Table 9.8 – Commercial Sites located within Flood Zone 3a

Flood Zone 3b (Functional Floodplain)

The 24 sites in Table 9.12 below are identified to be located with Flood Zone 3b, Functional Floodplain. PPS25 considers that only 'Water Compatible' land uses are appropriate within this Flood Zone, the Exception Test is required for 'Essential Infrastructure' and all other uses are deemed inappropriate. It is recommended that development of Essential Infrastructure is avoided on these sites and for 'Water Compatible' development sites of lower flood risk should be utilised first, these sites will need to be assessed in more detail as part of the Level 2 assessment.

Site Ref	Address	Street	Constituency	Partially or Fully with Flood Zone 3b
007720400	1547 TO 1563	BRISTOL ROAD SOUTH	Northfield	Partially
017710101	NORTH WORKS	LONGBRIDGE LANE	Northfield	Partially
017710102	NORTH WORKS	LONGBRIDGE LANE	Northfield	Partially
017710103	NORTH WORKS	BRISTOL ROAD SOUTH	Northfield	Partially
017710202	NORTH WORKS CAR PARK	LONGBRIDGE LANE AND DEVON WAY	Northfield	Partially
017710203	NORTH WORKS CAR PARK	LONGBRIDGE LANE AND DEVON WAY	Northfield	Partially
018221200	LAND OFF	BARNES HILL	Edgbaston	Partially
057920600	24	EBURY ROAD	Northfield	Partially
058320101	FORMER PEBBLE MILL STUDIOS	BRISTOL ROAD AND PERSHORE ROAD	Edgbaston	Partially
058320103	FORMER PEBBLE MILL STUDIOS	BRISTOL ROAD AND PERSHORE ROAD	Edgbaston	Partially
058320104	FORMER PEBBLE MILL STUDIOS	BRISTOL ROAD AND PERSHORE ROAD	Edgbaston	Partially
069120500	205	ALDRIDGE ROAD	Perry Barr	Partially
079120115	HOLFORD PARK	HOLFORD WAY	Perry Barr	Partially
079240500	FORMER P & O CONTAINER DEPOT	COLLEGE ROAD	Perry Barr	Partially
088921400	LAND AT	PRIORY ROAD	Ladywood	Partially
089130500	ATLAS INDUSTRIAL ESTATE	BROOKVALE ROAD	Perry Barr	Partially
108310500	LAND CORNER OF	MANOR FARM ROAD AND WARWICK ROAD	Yardley	Partially
108420700	LAND SOUTH OF	THE FORDROUGH	Yardley	Partially
139040303	LAND ADJACENT FORT JESTER PUBLIC HOUSE	CHESTER ROAD	Erdington	Partially
159010200		FARNBOROUGH ROAD	Erdington	Partially
169110101	FORMER MINWORTH SEWAGE WORKS	WATER ORTON LANE	Sutton Coldfield	Partially

169110102	FORMER MINWORTH SEWAGE WORKS	WATER ORTON LANE	Sutton Coldfield	Partially
169110105	FORMER MINWORTH SEWAGE WORKS	WATER ORTON LANE	Sutton Coldfield	Partially
169110106	FORMER MINWORTH SEWAGE WORKS	WATER ORTON LANE	Sutton Coldfield	Partially

Table 9.9 – Commercial Sites located within Flood Zone 3b – Functional Floodplain

9.4.4 Employment Areas

The employment areas have been assessed, as part of this Level 1 SFRA, on the basis that the end use of these sites is currently unknown. Without detailed information on the end use of proposed developments it is not possible to make clear recommendations as to whether an area is appropriate or not appropriate for development within specific Flood Zones. Needless to say, areas of a lower risk should always be sought when and where possible. Table 9.2 provides a summary of land use classifications, as identified by Table D.2. Flood Risk Vulnerability Classification of PPS25, which should be referred to when considering land use proposals for specific areas.

Flood Zone 1

Birmingham City Council has identified a total of 66 areas that are, or have the potential to be, for employment usage. 27 of these areas are located within Flood Zone 1 and therefore are not subject to site usage constraints according to PPS25, but may still require a FRA if they are shown as susceptible to flooding from other sources.

Flood Zone 2

The 5 areas in Table 9.10 below are located to some degree within Flood Zone 2, 'Medium Probability'. PPS25 considers that this flood zone is appropriate for all developments apart from those classified as 'Highly Vulnerable', these sites would require an Exception Test to be carried out. However it is noted that if and where possible sites of lower flood risk, i.e. Flood Zone 1, should be utilised first.

Site Ref	Site Name	Constituency	Partially or Fully with Flood Zone 2
27	Alcoa	Hodge Hill	Partially
47	Nechells scrap rail site	Ladywood	Partially
72	Castle Vale Enterprise Park	Erdington	Partially
75	Former ASTROM Site	Hodge Hill	Partially
77	Aston Regional Investment Site	Ladywood	Partially

Table 9.10 – Employment Areas located within Flood Zone 2

Flood Zone 3a

The 5 areas in Table 9.11 below are identified to be located within Flood Zone 3a. For these sites 'Water Compatible' and 'Less Vulnerable' uses are considered appropriate, an Exception Test is required for 'Essential Infrastructure' and 'More Vulnerable' uses and PPS 25 identifies that these sites are not appropriate for 'Highly Vulnerable' uses, these sites will need to be assessed in more detail as part of the Level 2 assessment.

Site Ref	Site Name	Constituency	Partially or Fully with Flood Zone 3a
23a	Garrett's Green	Yardley	Partially
52a	Windsor Industrial Area	Ladywood	Partially
52b	Aston Goss	Ladywood	Partially
54b	Phillips Street Area	Ladywood	Partially
58	Winson Green	Ladywood	Partially

Table 9.11 – Employment Areas located within Flood Zone 3a

Flood Zone 3b (Functional Floodplain)

The 29 areas in Table 9.12 below are identified to be located with Flood Zone 3b, Functional Floodplain. PPS25 considers that only 'Water Compatible' land uses are appropriate within this Flood Zone, the Exception Test is required for 'Essential Infrastructure' and all other uses are deemed inappropriate. It is recommended that development of Essential Infrastructure is avoided on these sites and for 'Water Compatible' development sites of lower flood risk should be utilised first, these sites will need to be assessed in more detail as part of the Level 2 assessment.

Site Ref	Site Name	Constituency	Partially or Fully with Flood Zone 3b
3	Catesby	Northfield	Partially
6	Kings Norton Business Park	Northfield	Partially
8	Refuse Works	Northfield	Partially
13	Stirchley Trading Estate	Selly Oak	Partially
19	Longbridge Small	Northfield	Partially
20c	Core Longbridge 2 - Developed	Northfield	Partially
30	Tyseley Industrial Estate	Hall Green	Partially
30	Tyseley Industrial Estate	Yardley	Partially
35	Hurricane Park	Erdington	Partially
36	Kings Road Industrial area	Yardley	Partially
38	Burn Road (continuation of Gravelly Business Park	Erdington	Partially
39	Spitfire and Merlin Park(s). Also Jaguar and Fort	Erdington	Partially
40	Midpoint Park	Sutton Coldfield	Partially
45	Castle Bromwich business Park (and Hayward Industr	Erdington	Partially
46	Gravelly Industrial Park	Ladywood	Partially
48	Saltley Business Park	Hodge Hill	Partially
49 + 50	Mainstream and surrounds + Blubesberry	Ladywood	Partially
51	Salford Trading Estate	Ladywood	Partially

55	Witton	Perry Barr	Partially
56	The Hub	Perry Barr	Partially
57		Perry Barr	Partially
61	Perry Barr Stadium	Perry Barr	Partially
65	Argyle Street	Ladywood	Partially
66	Dunton Trading Estate	Ladywood	Partially
76	Aston Regional Investment Site	Ladywood	Partially
79	Pebble Mill	Edgbaston	Partially
92	Cadburys	Selly Oak	Partially
94	Birmingham Battery High Technology Site	Selly Oak	Partially
97		Perry Barr	Partially

Table 9.12 – Employment Areas located within Flood Zone 3b – Functional Floodplain

9.4.5 Aston, Lozells and Newtown AAP

The sites identified in the Aston Lozells and Newtown AAP have been assessed, as part of this Level 1 SFRA, as that the end use of most of these sites is currently known it is possible to make clear recommendations as to whether an area is appropriate or not appropriate for development within specific Flood Zones. Needless to say, areas of a lower risk should always be sought when and where possible. Table 9.2 provides a summary of land use classifications, as identified by Table D.2. Flood Risk Vulnerability Classification of PPS25, which should be referred to when considering land use proposals for specific areas.

Flood Zone 1

Birmingham City Council has identified a total of 50 sites that have the potential to be developed. 35 of these areas are located within Flood Zone 1 and therefore are not subject to site usage constraints according to PPS25, but may still require a FRA if they are shown as susceptible to flooding from other sources.

Flood Zone 2

The 2 sites in Table 9.10 below are located to some degree within Flood Zone 2, 'Medium Probability'. PPS25 considers that this flood zone is appropriate for all developments apart from those classified as 'Highly Vulnerable', therefore education and mixed use would be acceptable within this flood zone, however it is noted that if and where possible sites of lower flood risk, i.e. Flood Zone 1, should be utilised first.

Site Ref	Development Type	Address	Constituency	Partially or Fully with Flood Zone 2
ED1	Education	Birmingham City University	Perry Barr	Partially
LC3	Mixed Use	Witton Road	Perry Barr	Partially

Table 9.13 – Aston Lozells and Newtown Sites located within Flood Zone 2

Flood Zone 3a

The 6 sites in Table 9.14 below are identified to be located within Flood Zone 3a. For these sites 'Water Compatible' and 'Less Vulnerable' uses are considered appropriate, an Exception Test is

required for 'Essential Infrastructure' and 'More Vulnerable' uses and PPS 25 identifies that these sites are not appropriate for 'Highly Vulnerable' uses. Depending on the specific development type it is likely that Local Centres and Industrial Regeneration would be acceptable within this flood zone as they are likely to be considered 'Less Vulnerable', however it is noted that if and where possible sites of lower flood risk, i.e. Flood Zone 1, should be utilised first. Mixed use (MU1B) and housing regeneration (H6 & H7) are likely to be considered as 'More Vulnerable' and should where possible be located in a site of lower risk, if this isn't possible then the Exception Test would need to be passed, these sites will need to be assessed in more detail as part of the Level 2 assessment.

Site Ref	Development Type	Address	Constituency	Partially or Fully with Flood Zone 2
LC4A	Local Centres	Newtown Shopping Centre	Ladywood	Partially
LC3	Local Centres	Witton Road	Ladywood	Partially
LC5	Local Centres	Wheeler Street	Ladywood	Partially
MU1B	Mixed Use	New John Street West	Ladywood	Partially
IRA	Industrial Regeneration	Newtown Row	Ladywood	Partially
H6 & H7	Housing Regeneration	Newtown & Lozells	Perry Barr	Partially

Table 9.14 – Aston Lozells and Newtown Sites located within Flood Zone 3a

Flood Zone 3b (Functional Floodplain)

The 7 sites in Table 9.15 below are identified to be located with Flood Zone 3b, Functional Floodplain. PPS25 considers that only 'Water Compatible' land uses are appropriate within this Flood Zone, the Exception Test is required for 'Essential Infrastructure' and all other uses are deemed inappropriate. It is recommended that development of Essential Infrastructure is avoided on these sites and for 'Water Compatible' development sites of lower flood risk should be utilised first, these sites will need to be assessed in more detail as part of the Level 2 assessment.

Site Ref	Development Type	Address	Constituency	Partially or Fully with Flood Zone 3a
LC1	Local Centres	Perry Barr/Birchfiel	Perry Barr	Partially
11	Housing Site	Tame Road	Perry Barr	Partially
3	Housing Site	Former Siemens Site	Perry Barr	Partially
MU4	Mixed Use	Westwood Road / Dulverton Road	Perry Barr	Partially
IRB	Industrial Regeneration	Brookvale Road	Perry Barr	Partially
IRB	Industrial Regeneration	Tame Road	Perry Barr	Partially
R1-R6	Regional Investment Site	Aston Hall Road/Priory Road/Queens Road	Ladywood	Partially

Table 9.15 – Aston Lozells and Newtown Sites located within Flood Zone 3b – Functional Floodplain

9.5 Impacts of climate change on the Sequential Test Results

As previously discussed, the impact of climate change upon flood risk is that the frequency and severity of flooding is likely to increase into the future.

Ideally, the climate change outline will have been developed through detailed hydraulic modelling using the latest climate change guidance; however, for the case of Birmingham this information is only available for the River Tame, River Rea and River Cole (Main River).

The impacts of this are that sites previously within Flood Zone 2 would now be in the Climate Change outline, this does not affect any of the employment areas in Table 9.10 or the Aston Lozells and Newtown AAP sites in Table 9.13. There are 6 residential and 6 commercial sites affected, these are identified in the Table 9.16 and Table 9.17 respectively. These sites would be subject to the same constraints as they would be in Flood Zone 2, however the developer must consider that during the lifetime of the development the site could be subjected to an increased flood risk as a result of climate change.

Site Ref	Address	Constituency	Partially or Fully with Flood Zone 2
CC102	Adj Magnolia House, Highgate St	Ladywood	Partially
CC207	LAND BOUNDED BY, BRADFORD STREET AND BIRCHALL STREET AND GREEN STREET	Ladywood	Partially
CC242	111-112, DIGBETH	Ladywood	Partially
E352	1044, COVENTRY ROAD	Yardley	Fully
S141	308-330 Pershore Road	Edgbaston	Partially
S351	REAR OF 768 TO 772, PERSHORE ROAD	Selly Oak	Partially

Table 9.16 – Residential Sites located within Flood Zone 3 + Climate Change

Site Ref	Address	Street	Constituency	Partially or Fully with Flood Zone 2
027820400	SITE OF THE OLD MILL PUBLIC HOUSE	ABBEYDALE ROAD	Northfield	Partially
068440701	308 TO 330	PERSHORE ROAD	Edgbaston	Partially
068440702	LAND ADJACENT CRICKET GROUND AND REAR OF	PERSHORE ROAD	Edgbaston	Partially
079130800	HOLFORD DRIVE PLAYING FIELDS	HOLFORD DRIVE	Perry Barr	Partially
098321900	GREET PRIMARY SCHOOL	PERCY ROAD	Hall Green	Partially
098711300	30	INKERMAN STREET	Ladywood	Partially

Table 9.17 – Commercial Sites located within Flood Zone 3 + Climate Change

9.6 Windfall Sites

Proposed development for “windfall sites” will by definition not derive from any potential development sites that have been assessed as part of this report. The Sequential Test will need to be carried out and, if necessary, the Exception Test at the planning application stage. Appendix J provides guidance notes to planners and developers on the use of the sequential test for development sites including windfall sites.

Developers are strongly advised to undertake the Sequential and Exception Tests on windfall sites at a very early stage; this will help to ascertain whether the proposed development meets the requirements of PPS25 and alleviate the need to invest money in a Flood Risk Assessment for unviable sites.

9.7 Assessment of Flood Risk from Other Sources

An assessment of the flood risk from all other sources has also been undertaken, this has identified where sites are outside of the fluvial floodplain but still require a flood risk assessment as they are at risk of flooding from surface water, within 250m of an historic flooding location or in a 'local flood risk area' as defined by the Surface Water Management Plan when published. Appendix K provides details of all development sites, details of their flood risk and an assessment as to whether a Flood Risk Assessment is required.

9.8 The Need for a Level 2 Strategic Flood Risk Assessment

Following the Sequential Test, if it is not possible or consistent with wider sustainability objectives to locate all development in zones of lower flooding probability, then it will be necessary to apply the Exception Test as described in PPS25^{1,2}. The test provides a method for managing flood risk whilst still allowing necessary development to occur.

In accordance with PPS25^{1,2}, for the Exception Test to be passed:

- it must be demonstrated that the development provides wider sustainability benefits to the community that outweigh flood risk, informed by a SFRA where one has been prepared. If the DPD has reached the 'submission' stage – see Figure 4 of PPS12: Local Development Frameworks – the benefits of the development should contribute to the Core Strategy's Sustainability Appraisal;
- the development should be on developable previously-developed land or, if it is not on previously developed land, that there are no reasonable alternative sites on developable previously-developed land; and
- a FRA must demonstrate that the development will be safe, without increasing flood risk elsewhere, and, where possible, will reduce flood risk overall.

As the results of the sequential test have highlighted that there are a number sites that will require an exception test if they are to be developed, a Level 2 SFRA will need to be undertaken to make a further assessment of the suitability of these sites for development. The Environment Agency and Local Planning Authority will need to work together to determine sites that are not appropriate for development that will need to be removed from the list of allocated sites.

10. Guidance for Developers

10.1 Introduction

This chapter provides advice for developers, it explains how this SFRA should be used and provides guidance on site specific FRAs. It also details how mitigation measures should be used on developments to reduce the residual flooding risk.

10.2 Use of the Strategic Flood Risk Assessment

The Strategic Flood Risk Assessment is the assessment and categorisation of flood risk on a district wide basis in accordance with PPS25. SFRAs refine information on the probability of flooding, taking all sources of flooding and the impacts of climate change into account. The SFRA provides the basis for applying the Sequential Test and the Exception Test where consideration needs to be given to the impact of the flood risk management infrastructure on the frequency, impact, speed of onset, depth and velocity of flooding within the Flood Zones considering a range of flood risk management maintenance scenarios.

A developer should consider flood risk issues at a site as early as possible. The SFRA can be used to provide an indication of the likely flood risk issues at a site from all sources of flooding. The hydraulic model drawings in Appendix E will also provide an indication of the existing modeling data available for each development site. Developers should identify whether the development site has been allocated for the proposed type of land use in the Local Development Documents. For allocated sites the SFRA can provide information on the application of the Sequential Test.

10.3 Site Specific Flood Risk Assessments

A Flood Risk Assessment will be required to accompany planning applications for:

- any development proposals of 1 hectare or greater in Flood Zone 1
- any development proposals in Medium Probability Flood Zone 2
- any development proposals in High Probability Flood Zone 3
- any development proposals at risk of surface water flooding (as defined by the 'locally agreed surface water information')
- any development proposals within 250m of an historic flooding location
- any development proposals within a 'local flood risk area' defined by the Surface Water Management Plan when published

The FRA should identify and assess the risks of all sources of flooding to and from the development, taking into account climate change and demonstrate how the risk will be managed.

A FRA will also be required where the proposed development or change of use to a more vulnerable class may be subject to other sources of flooding or where the Environment Agency, Internal Drainage Board and/or other bodies have indicated that there may be drainage problems.

10.4 Standard Flood Risk Management Guidance for Developers

The broad aim of the Planning Policy Statement 25 is to reduce the number of people and properties within the natural and built environment at risk of flooding. To achieve this aim, planning authorities are required to ensure that flood risk is properly assessed during the initial planning stages of any development.

Responsibility for this assessment lies with developers and they must establish the following:

- Whether the proposed development is likely to be affected by current or future flooding from any source.
- Whether the proposed development will increase flood risk elsewhere.
- Whether the measures proposed to deal with any flood risk are sustainable.

If necessary developers should also:

- Provide evidence of application of the Sequential Test.
- Establish whether the development will be safe and pass part c) of the Exception Test.

The developer must prove to the Local Planning Authority and the Environment Agency that the existing flood risk or flood risk associated with the proposed development can be satisfactorily managed.

PPS25, annex E paragraph E3 sets out the minimum requirements for FRAs. The scope of a FRA can be very variable depending on factors such as the type and characteristics of flood risk and whether the development is in accordance with a sequentially tested LDD policy. The detail to be provided by a FRA should always be proportionate to the degree of flood risk and should make optimum use of information already available. It is also important that as well as being proportionate to the degree of risk, an FRA should be appropriate to the scale, nature and location of the development.

Development should follow the standard flood risk assessment approach provided by the Environment Agency and CIRIA, as follows:

- National Standing Advice to Local Planning Authorities for Planning Applications - Development and Flood Risk in England' (2011)
- CIRIA Report C624 "Development and Flood Risk – Guidance for the Construction Industry" (2004).

10.5 Additional Guidance

10.5.1 Undefended Floodplain

Areas at risk of flooding need to be assessed against the 1 in 100 Year (1% AEP) criteria for fluvial flooding and against the 1 in 200 Year (0.5% AEP) criteria for tidal flooding. The Environment Agency's hydraulic models may be made available for use by developers to determine the site's vulnerability to flooding. The developer will need to firstly ensure that the models are fit for purpose and sufficiently detailed to provide an accurate understanding of flood risk to the site. If existing models are not available, then a developer will need to assess the extent and requirements of any modelling work that is required. Detailed hydraulic modelling will involve the following:

- Carrying out a hydrological assessment using Flood Estimation Handbook techniques and using gauging records where available.
- Constructing an in-bank hydraulic model using up to date survey data including structures, e.g. bridges, weirs, culverts and sluices.
- Extending the in-bank model to include floodplains where necessary using appropriate hydraulic modelling approaches to replicate the extent, storage and conveyance of the floodplains, e.g. through extended cross sections, reservoir units or 2-D modelling.
- Calibrating or verifying the hydraulic model where hydrometric monitoring data or flood records are available.

- Carrying out sensitivity analysis to confirm modelling assumptions and assess climate change impacts.
- Mapping of flooding extents

10.5.2 Defended Floodplain

Development sites within a defended tidal or fluvial floodplain are at particular risk due to the risk of the defences being overtopped or breached, resulting in the rapid onset of fast flowing and deep water flooding with little or no warning.

Residual risk from the breach or overtopping of defences needs to be considered as part of a FRA. Defra's¹ Flood Risk Assessment Guidance for New Development provides guidance on the level of risk related to distance and flood depth for overtopping and breaching scenarios. The objectives of a breach analysis are as follows:

- to determine the Rapid Inundation Zone where there is a potential risk to life
- to investigate the impact of the proposed development on the flood risk to others
- to test the effectiveness of mitigation measures

Consideration of flood risk behind defences should take into consideration the standard of protection and design freeboard of the flood defence along with its condition, ownership, maintenance and potential mechanisms of failure. The parameters of a breach in terms of potential location and width as well as the duration of a flood event should be agreed with the Environment Agency prior to any analysis.

10.5.3 Raised Floor Levels

It may be feasible to reduce the risk to a development through raising the ground level above the design flood level.

Floor levels should be raised above the 1 in 100 Year (1% AEP) fluvial flood level plus an allowance for climate change assuming a 20% increase in flow over the next 100 years.

In addition, the flood protection level should include a freeboard above the design flood level. For all development the Environment Agency usually requires a freeboard of 600mm.

10.5.4 Compensatory Storage

Where development is proposed in undefended areas of floodplain, which lie outside of the functional floodplain, the new building footprint and any ground raising will effectively reduce the flood storage capacity of the site. The potential impacts on flood risk elsewhere need to be considered. Raising existing ground levels may reduce the capacity of the floodplain to accommodate floodwater and increase the risk of flooding by either increasing the depth of flooding to existing properties at risk or by extending the floodplain to cover properties normally outside of the floodplain. Flood storage capacity can be maintained by lowering ground levels either within the curtilage of the development or elsewhere in the floodplain to provide at least the equivalent volume of storage lost to the development at a nearby location and at the same level. Compensatory storage should be provided on a level for level and volume for volume basis. Guidance on compensatory storage can be found in CIRIA Report 624³⁶.

For development in a defended flood risk area, the impact on residual flood risk to other properties needs to be considered. New development behind flood defences can increase the residual risk of flooding if the flood defences are breached or overtopped by changing the conveyance of the flow

³⁶ Construction Industrial Research and Information (2010) CIRIA Report 624: Development and Flood Risk - Guidance for the Construction Industry

paths or by displacing flood water elsewhere. If the potential impact on residual risk is unacceptable then mitigation should be provided.

10.5.5 Surface Water Drainage Assessment

As part of their Flood Risk Assessment developers should demonstrate that the disposal of surface water from the site will not exacerbate existing flooding.

Greenfield Sites

For Greenfield sites the surface water run-off should be restricted to the greenfield run-off rate for the range of annual flow rate probabilities up to and including the one per cent annual exceedence probability (1 in 100 years) including for climate change.

Brownfield Sites

As a minimum, for the range of annual flow rate probabilities up to and including the one per cent annual exceedence probability (1 in 100 years) event, including an appropriate allowance for climate change, the developed rate of run-off into a watercourse, or other receiving water body, should show a minimum of a 20% reduction in peak flows between the existing and developed scenarios. Developers are, however, strongly encouraged to further reduce runoff rates from previously-developed sites as much as is reasonably practicable.

Brownfield Sites at Flood Risk

Where the site specific Flood Risk Assessment has identified that the site:

- is at risk of surface water flooding (as defined by the 'locally agreed surface water information'); or
- has flooded historically; or
- is within a 'local flood risk area' defined by the Surface Water Management Plan when published

the surface water run-off should be restricted to the greenfield run-off rate for the range of annual flow rate probabilities up to and including the one per cent annual exceedence probability (1 in 100 years) including for climate change.

Brownfield Sites where the Runoff Impacts on a Community at Flood Risk

Where the site specific Flood Risk Assessment has identified the run-off from the site impacts on a downstream community that is in an area that:

- is at risk of surface water flooding (as defined by the 'locally agreed surface water information');
- has flooded historically; or
- is within a 'local flood risk area' defined by the Surface Water Management Plan when published

the surface water run-off should be restricted to the greenfield run-off rate for the range of annual flow rate probabilities up to and including the one per cent annual exceedence probability (1 in 100 years) including for climate change.

Surface Water Drainage Assessment Requirements

A surface water drainage assessment should be undertaken to demonstrate that surface water runoff from the proposed development can be effectively managed without increasing flood risk elsewhere. A surface water drainage assessment should include the following:

- Assessment of whether the development will increase the overall discharge from the site by calculating the change in area covered by roofs and hard-standing.

- Details of how overland flow from the new development can be intercepted to prevent flooding of adjacent land.
- Details of how additional onsite surface water attenuation can be provided to mitigate against known flooding problems or as a result of incapacity on the drainage systems.
- Demonstration that overland flows will not increase flood risk to both existing development and receiving watercourses.
- Agreement that the rates of discharge from the development are acceptable to the Environment Agency and sewerage authorities.

10.5.6 Mitigation Measures

The sequential approach should be applied within development sites to locate the most vulnerable elements of a development in the lowest risk areas. Where vulnerable development cannot be allocated within low risk areas then measures need to be put in place to mitigate against the flood risk.

There are several sources of information on potential mitigation measures, as follows:

- Flood Risk Assessment Guidance for New Development, Environment Agency Research and Development (R&D) (FD2320)
- Development and Flood Risk – Guidance for the Construction Industry, CIRIA 624
- Flood resilience and resistance for critical infrastructure CIRIA C688

The Environment Agency R&D Guidance on Flood Risk Assessments for new development suggests that mitigation measures can be split into three types:

- Measures that reduce the physical hazard, e.g. through raised defences or flood storage
- Measures that reduce the exposure to the hazard, e.g. raise properties above flood levels
- Measures that reduce the vulnerability to the hazard, e.g. flood warning or emergency planning.

The selection of appropriate mitigation measures depends on the requirements of the development and its sensitivity to flood risk. Any mitigation measure selected should be sustainable in the future by taking into consideration the impact of climate change on flood risk. The residual risk of developing an area vulnerable to flooding with mitigation measures in place should also be considered.

10.5.6.1 Measures that Reduce the Physical Hazard

Flood defence walls or embankments

Providing the Sequential and Exception Tests have been passed, flood defences, fully funded by the development may be constructed to protect a new development. However, the impact on the risk of flooding elsewhere with defences in place needs to be assessed and managed, for example, through the provision of compensatory storage. Residual risk of flooding with flood defences also needs to be assessed and managed.

Flood Storage

Flood storage either offline or online can be used to manage water levels upstream or downstream of a development site.

10.5.6.2 Measures that Reduce the Exposure to the Hazard

Building Design

Flood management measures only manage the risk of flooding rather than remove it completely. Therefore, buildings should be designed to be flood resistant and flood resilient where they are

built behind flood defence systems. Flood resistance is the prevention of flood water entering a building through, for example, flood barriers or raising floor levels. Flood resilience is ensuring the finish (e.g. type of flooring) and services (e.g. electrics) are such that following a flood the building can be returned quickly to its normal operation. A basic level of flood resistance and resilience can be achieved through good building practice and complying with Building Regulations (ODPM, 2000) and further guidance can be found in Improving the flood performance of new buildings (CLG 2007).

10.5.6.3 Measures that Reduce the Vulnerability to the Hazard

Flood Warning

The Environment Agency provides flood warnings to a number of existing properties at risk of flooding to enable owners to protect life and manage the effect of flooding of their property. Flood warning should only be provided as a measure to manage residual risk and should not be used as the sole measure to offer protection to a development.

Access and Egress

PPS25 requires that safe access and escape is available to and from new developments in flood risk areas. Where possible, safe access routes should be located above design flood levels and an evacuation procedure should be in place for an extreme flood event. If safe access cannot be provided for all events then a safe haven of sufficient size to accommodate all occupiers of the development should be provided within the development.

For developments within Zone 3a High Probability and Zone 2 Medium Probability which are not offered protection from raised defences, the following is required:

- Dry escape, above the 100 year flood level taking into account climate change, should be provided for all 'more vulnerable' (including residential) and highly vulnerable' development.
- 'Safe' should be dry for all other uses such as educational establishments, hotels and 'less vulnerable' land use classifications.

For developments within Zone 3a High Probability and Zone 2 Medium Probability which are offered protection from raised defences, the following is required:

- 'Safe' access should preferably be dry for 'highly vulnerable' uses
- 'Safe' access should incorporate the ability to escape to levels above the breach water level.

For major 'highly vulnerable' development, safety will also need to be ensured through the development of a robust evacuation plan. This should clearly define routes to dry (i.e. 'unflooded') land. This may include routes through flood waters, providing the depth and speed of flow across the evacuation route are below the risk defined by the "some" threshold in Flood Risk to People (Defra, FD2320)

For infrastructure development, safety will also need to be ensured through the development of a robust evacuation plan. This should clearly define dry escape routes (above the 100 year plus climate change flood level) to dry (i.e. 'un-flooded') land.

In exceptional circumstances, dry access (above the 100 year plus climate change flood level) for 'more vulnerable' and/or 'highly vulnerable' development may not be achievable. In these exceptional circumstances, liaison must be sought with the Environment Agency and the Birmingham Resilience Team to ensure that the safety of site tenants can be satisfactorily resolved.

Emergency Planning

Emergency planning for extreme flood events is a key consideration for new developments which, having passed the Sequential and Exceptions Tests, are located in areas of flood risk. When preparing planning applications for such developments in Birmingham, developers should consult

with the Environment Agency and agencies dealing with emergency consequence management with regard to a range of effective emergency preparedness and response arrangements. Developers and the local planning authority, when assessing proposals should consider the risk posed by velocity and depths of flood water, the availability of flood warnings, the level of flood mitigation and resilience measures and the capacity of emergency management arrangements.

The outputs of the SFRA will provide a useful information base from which to initially consider viable routes for safe evacuation during flood events and ease of manoeuvrability by emergency services of vehicles and equipment. At the site specific level, a more detailed appraisal of proposed evacuation routes may be required to confirm that the route is safe for the lifetime of the development.

Birmingham City Council can also use the outputs from this SFRA to facilitate the development of emergency planning policies for existing developments at risk within their local authority by considering the feasibility and sustainability of key access routes within their administrative boundary and across boundaries into neighbouring authorities. However, assessments should not be limited to consideration of safe access and egress routes. There are a number of emergency management considerations which should be taken into account when designing developments.

Developers should proactively contact the Environment Agency to ascertain whether the development site is within a Flood Warning Area. Where this is the case, the developer should include the Environment Agency's warning system as part of the activation/trigger within their evacuation plans. Where this is not the case, developers should liaise with the Environment Agency to identify potential joint initiatives to increase flood warning coverage.

Provision of detailed blueprints to emergency services of new developments would also aid in any emergency response. This should include mapping of manhole covers, infrastructure and other potential hazards. Other considerations may be:

- Provision of level gauges for future flood warden schemes,
- Ensuring developments include resilience in infrastructure such as utility assets,
- The potential for pollution and pollution control,
- Design options for ease of water rescue such as wide opening windows, balconies, and fixings for water rescue,
- Inclusion of sumps behind flood defence to allow required depths for water to be pumped away (and consideration where water could be pumped out to),
- Road signs and house numbers to be placed at top of buildings to ensure visibility for emergency responders,
- Integration of flood resilient measures within building designs,
- Ensure standards of wall designs are adequate to defend against expected water pressure (estimated depths/ velocities),
- Water channelling considered in layout of road network and the affect of dropped kerbs,
- Restriction on any new bungalows and basements,

A key part of emergency planning also involves raising public awareness to the potential risks and providing comprehensive information regarding flood warning and evacuation routes for members of the public to follow during extreme flood events. Residents should be encouraged to set-up local flood warden schemes in order to formalise an effective local community response to flooding.

Developers should highlight the importance of personal emergency preparedness to residents where flood risk is a consideration, specifically where developments target elderly or vulnerable groups. Developers, the Environment Agency and Birmingham City Council should give particular

consideration to communication of flood warnings and advice to people with impaired hearing and/or sight and with restricted mobility.

11. Guidance for the Application of SUDS

11.1 Introduction

The planning system can act as an effective means of ensuring that all new developments manage surface water in a sustainable manner. Conventional surface water drainage systems have traditionally used underground pipe networks to efficiently convey water away from sites. In the past this has led to problems of downstream flooding, reductions in groundwater recharge and waste pollution incidents associated with surface water overwhelming combined sewers. Both Making Space for Water⁸ and the 'Water Framework Directive'³⁷ have highlighted the need for an improved understanding and better management of how our urban environments are drained.

11.2 SUDS Policies and Recommendations

PPS 1 "Delivering Sustainable Development" and PPS 25 require that Local Authorities should prepare and implement planning strategies that help to deliver sustainable development, by using opportunities offered by new development to reduce the causes and impacts of surface water flooding. By implementing policies to encourage developers to incorporate Sustainable Drainage Systems wherever possible, Local Authorities can help to mitigate the impacts that development has on surface water runoff rates and volumes.

SUDS is a term used to describe a sequence of management practices and control structures designed to drain surface water in a more sustainable manner than some conventional techniques. SUDS aims to mimic the natural drainage processes by reducing the quantity and improving the quality of surface water before it enters a watercourse; and may also be used to provide opportunities to improve local biodiversity and amenity.

Site-specific drainage strategies and where required flood risk assessments should be used as part of the design process to develop an appropriate SUDS scheme. In order to mimic natural catchment processes as closely as possible a "management train" as recommended by The SUDS Manual³⁸ and CIRIA C687³⁹ is required; with drainage techniques acting in series to incrementally reduce pollution, flow rates and volumes of runoff. Overland flow routes would also need to be considered to ensure that floodwater is effectively and safely managed during extreme events.

Adoption and maintenance of SUDS and associated structures must be considered at the design stage. It is important to consider sediment management and incorporate permanent utility vehicle and/or maintenance access into the landscaping or works. The developer must also consider their responsibility, both during and after construction, and submit a management strategy to the Council for approval as part of the full planning application.

Schedule 3, Sustainable Drainage, of The Flood and Water Management Act when commenced will clarify who will be responsible for the adoption and maintenance of SUDS. The Act indicates that the 'approving body', which will generally be the unitary, county and county borough local authorities, will be required to approve most types of rain-water drainage systems before work can start. Moreover, where the system affects the drainage of more than one property, the approving body will adopt and maintain the system upon satisfactory completion. The part also amends section 106 of the Water Industry Act 1991 to make the right to connect surface water run-off to public sewers conditional on the approval given. However, commencement of the remaining

³⁷ European Commission (2000) - Water Framework Directive

³⁸ Construction Industrial Research and Information (2007) – CIRIA C697 – "The SUDS Manual"

³⁹ Construction Industrial Research and Information (2010) – CIRIA C687 – Planning for SUDS

provisions in the Act, for example the SUDs role, is subject to regulatory committees, outcome of consultations and further discussions.

11.3 Effective Application

Large increases in impermeable area for a site could contribute to a significant and resulting increase in surface water runoff peak flows and volumes. In turn this could contribute to an increase in flood risk elsewhere unless adequate SUDS techniques are implemented as part of a development. Section 10.5.5 outlines the requirements for reduction in surface water run-off for all developments. Volumes of run-off should also be reduced wherever possible using infiltration and attenuation techniques.

Developers are advised to consult with Birmingham City Council, Environment Agency and Severn Trent Water Limited early in the site planning process about their SUDS proposals to ensure that they are adopting the most appropriate methods.

11.4 Types of SUDS

There are numerous ways that SUDS can be incorporated into a development. The combined effect of SUDS measures should improve the sustainable management of water for a site by:

- Reducing peak flows into the receiving watercourse and/or sewer, and potentially reducing downstream flood risk;
- Reducing the volume of water flowing directly to the receiving watercourses and/or sewer from the development;
- Improving water quality through the removal of pollutants from diffuse pollutant sources;
- Reducing potable water demand through rainwater harvesting;
- Improving amenity through the provision of public open space and habitat;
- Replicating natural drainage patterns including the recharge of groundwater.

The appropriate application of a SUDS scheme to a specific development is heavily dependent upon the topography and geology of the site and the surrounding areas; and this is not to say that SUDS solutions cannot be considered for sites where there is clay subsoil or fairly steep site gradients. It should also be acknowledged that whilst the presence of potential contaminated land is a major issue for sites within Birmingham and often seen as a barrier to the use of SUDS; these systems do not have to include infiltration techniques in order to be sustainable. Similarly, rising groundwater within Birmingham may also be seen as a barrier to the use of SUDS, again infiltration is not the only option for sustainable drainage.

The following are examples of SUDS groups that could be considered; this is not intended to be an exhaustive list but illustrates the range of available solutions; detailed guidance is provided in The SUDS Manual³².

- Swales and basins.
- Infiltration trenches, basins and filter drains.
- Permeable pavements; depending on ground conditions the water may infiltrate directly into the underlying subsoil, or be drained through into a sub-surface storage area.
- Pond and wetlands.
- Source control techniques that may include rainwater harvesting, water butts and syphonic roof drainage.

- Green roof technology, the costs and benefits of which were studied and documented by the Eastside Sustainability Group⁴⁰.
- The use of urban trees⁴¹ play an important role in the urban hydrological cycle and where integrated into a SUDS scheme may contribute to minimising the size of features such as ponds.
- Retro-fitting of SUDS to existing drainage systems may also need to be considered, particularly for brownfield sites where existing site constraints may restrict the SUDS solutions that can be incorporated on the site.

11.5 The Approach for Birmingham

Section 6.2 of this report summarised the existing geology beneath Birmingham, this is essentially divided into two due to a fault, known as the "*Birmingham Fault*", running approximately north-east to south-west and consists of Permian and Triassic sandstones and mudstones⁴². To the west of the fault line the rock strata predominantly consists of red and red-orange sandstones and is indicative of high permeability soils (good to very good drainage), and to the east the rock strata predominately consists of red and red-brown mudstones which are inter-bedded by several silt and sandstone bands and are typically representative of low permeability soils (poor drainage to practically impervious).

Key indicators contained within the geology and superficial deposit series of drawings in Appendix E should be used only as a guide to the suitability of infiltration techniques at particular locations within the City. The development sites which may be suitable for infiltration techniques are shown in Appendix L, however, it is important that developers establish soil conditions and hydrology of their site at an early stage in the site planning process. The results of such investigations should be provided to the Council and Environment Agency as background to their proposals for a drainage system included with the planning application. Where infiltration techniques are being considered the soil infiltration rates for the site should also be provided and will have been determined using appropriate site tests⁴³ (reference should also be made to the Building Regulations⁴⁴).

⁴⁰ A Report for Sustainable Eastside. Green Roofs: Benefits and Costs Implications. Livingroofs.org (2004).

⁴¹ Paper: Integration of Trees into Sustainable Drainage Systems. Scholz, M. and Englmeier, M., The University of Edinburgh (2007).

⁴² British Geological Survey (2001) – Geoscience Data for Birmingham City Council

⁴³ BRE Digest (2007): BRE 365 Soakaway Design

⁴⁴ The Building Regulations (2002): Part H - Drainage and Waste Disposal

12. Summary and Recommendations

12.1 Introduction

This section summarises the findings of the SFRA and outlines the recommendations of the SFRA. The recommendations are split into the following three themes: Policy, Development Control and Technical

12.2 Summary

This SFRA Report provides an overview of the planning policies and strategies in relation to flood risk and development within Birmingham. Flood risk is considered within each of the tiers of planning policy; nationally within the Planning Policy Statements, regionally within RSS and RFRA and locally within the LDF, Core Strategy and Tame Strategy.

Data has been collected through consultation with Birmingham City Council, Environment Agency, Severn Trent Water and British Waterways. The data collected has provided information on all sources of flood risk, flood defences, flood warning, land allocations, geology and topography. This data is provided on the constituency maps which accompany this report.

Birmingham is at considerable risk of flooding from Main River, Ordinary Watercourses, surface water, sewer flooding and groundwater. There is also potential for canal and reservoir breach and overtopping.

Flood defence embankments are in place along some of the rivers and in some places provide protection from flooding up to an annual probability of 1 in 100 Year (1% AEP). The majority of the flood defences only offer a standard of protection of 1 in 50 Year (2% AEP) or less.

In addition to the formal defences there are numerous informal defences in private ownership where responsibility for maintenance lies with the riparian owner and the standard of protection and maintenance regimes are unknown.

In addition to flood defences to reduce the probability of flooding, flood warning has been in operation in the Tame catchment for a number of years as a means of reducing the impacts of flooding. Flood Warning is provided on the River Tame, River Cole and the River Rea.

Climate change is expected to have an influence on future flood risk. Climate change has an impact on the number of properties at risk within Birmingham and in particular on the depth of flooding.

A Sequential Test has been undertaken using the residential sites and employment areas identified by Birmingham City Council. In total, there are 1468 residential sites, 418 commercial sites, 66 core employment areas and 50 AAP sites within the District Boundary, these have been analysed to identify which flood zone they fall within, to identify which types of development would be appropriate and ascertain where an Exception Test would be required if there are no alternative sites of lower flood risk which could be used first.

Windfall sites (potential development sites which have not been determined through the Local Plan, housing availability studies) have not been considered as part of this SFRA. The Sequential Test will need to be carried out for windfall sites and, if necessary, the Exception Test at the planning application stage.

An assessment of flood risk from all sources has been undertaken for all development sites, this has identified the need to undertake a Flood Risk Assessment for a total of 816 of the 1468 residential sites, 274 of the 418 commercial sites and 41 of the 50 AAP sites as they are at risk of either fluvial or surface water flooding, or they are located within 250 metres of an historic flooding record.

Developers should consider flood risk issues at a site as early as possible. The SFRA can be used to provide an indication of the likely flood risk issues at a site from all sources of flooding. The developer must prove to the Local Planning Authority and the Environment Agency that the existing flood risk or flood risk associated with the proposed development can be satisfactorily managed and that suitability of the soil conditions and hydrology of their site for SUDS techniques has been considered at an early stage in the site planning process.

12.3 Policy Recommendations

12.3.1 The findings of the SFRA should be fed into the Local Development Framework

In order to ensure a robust approach to flood risk management, the findings of the SFRA need to be incorporated into Birmingham Local Development Framework. This will ensure a holistic and robust approach to flood risk management, ensuring that the matter is taken into account at all stages of the planning process.

The findings of the SFRA clearly demonstrate the high level of flood risk within the city, with 816 of the 1468 residential sites requiring a Flood Risk Assessment. It will be for the Birmingham Local Development Framework to develop planning policy for the city that satisfies the spatial/land use requirements whilst also reflecting the level of flood risk. The number of allocated sites may need to be increased if a number of those sites requiring a Flood Risk Assessment are shown to have an unmanageable flood risk.

12.3.2 The Core Strategy should include a policy statement on flood risk in the City

Flood risk planning is a significant issue for the Birmingham. The Core Strategy should set out the key spatial elements of the planning framework for the area and include core policies. In setting out a vision for the city, it should incorporate a clear city-wide policy statement on flood risk .

It is recommended that a specific policy on flood risk is included within the Core Strategy. This should focus on ensuring that, where possible:

- Development is located in the lowest risk area;
- Measures are put in place to mitigate new development against the flood risk and ensure that it does not increase flood risk elsewhere;
- Surface water is managed effectively on site; and
- The City Council applies the sequential approach when determining planning applications.

12.3.3 SUDS Strategy

Following commencement of the relevant provisions of the Flood and Water Management Act a SUDS policy should be developed as supplementary planning guidance for Birmingham.

12.3.4 Linkages with other Flood Risk Management Strategies

The City Council should ensure that in developing and taking forward the findings of the SFRA it has regard to other developing strategies that consider flood risk management in the Birmingham area. Of particular relevance is the Trent CFMP, the Tame Strategy, SMURF and the emerging SWMP.

12.4 Development Control Recommendations

12.4.1 Guidance on the application of the Sequential and Exception Tests

The Birmingham Level 1 SFRA has identified that considerable areas of Birmingham have a relatively high risk of flooding. As a result, and in accordance with PPS25, the Sequential Test and Exception Tests will need to be applied to many proposed development schemes.

Developers should approach the City Council, the Environment Agency, Severn Trent Water and other key organisations at an early stage to discuss flood risk issues, including the scope of site-specific Flood Risk Assessments (FRAs), in particular design, flood risk and attenuation issues, along with guidance on the application of the Sequential and Exception Tests.

12.4.2 Windfall sites

Windfall sites should be considered against flood risk management policy and dependant on their location and the proposed use, may need to be subject to the Sequential and Exception Tests.

12.4.3 Location of Development Types

Consideration should be given to the proportion of the site located within specific PPS25 Flood Zones and the implications of this upon the development layout of the site. This process will allow planning of sites to place higher vulnerability uses within lower risk areas. Where required, the Exception Test should be undertaken as part of the site specific FRA.

12.4.4 Requirements for a Flood Risk Assessment

In accordance with PPS25, site specific FRAs are required for all sites over 1 hectare in size, for all sites located with fluvial Flood Zones 2, 3a and 3b. In addition FRAs should be prepared for all sites considered to be at risk from other sources of flooding; therefore an FRA will be required where:

- Sites are over 1 hectare;
- Sites are located within Flood Zones 2, 3a and 3b;
- Sites at risk of surface water flooding (as defined by the 'locally agreed surface water information')
- Sites within 250m of an historic flooding location
- Sites within a 'local flood risk area' defined by the Surface Water Management Plan when published

12.4.5 Emergency Planning

Emergency planning for extreme flood events is a key consideration for new developments which, having passed the Sequential Tests, are located in areas of flood risk. When preparing planning applications for such developments in Birmingham, developers should consult with the Environment Agency and the Birmingham Resilience Team with regard to a range of effective emergency preparedness and response arrangements.

12.5 Technical Recommendations

12.5.1 Level 2 Strategic Flood Risk Assessment

The Sequential Test has identified that there a number of development sites which depending on their proposed use will need to be subject to the Exception Test if it is not possible or consistent with wider sustainability objectives to locate this development in zones of lower flooding probability.

As the need for an Exception Test has been identified, the scope of the SFRA will need to be widened to a Level 2 assessment. Following the advice in PPS25 and further to discussions with the Environment Agency, this should build on this Level 1 SFRA and contain:

- an investigation of the condition of flood defences, the flood risk benefit that these provide, as well as the residual flood risk of the structures;

- an appraisal of the probability and consequences of overtopping or failure of flood risk management infrastructure, including canals and reservoirs, with an appropriate allowance for climate change;
- definition and mapping of the functional floodplain in locations where this has not been undertaken;
- identification of development sites adjacent to ordinary watercourses, which may be at risk of fluvial flooding but have not been identified as part of the level 1 study as fluvial flood outlines are not available;
- guidance on appropriate policies for sites which satisfy parts a) and b) of the Exception Test, and requirements to consider at the planning application stage to pass part c) of the Exception Test;
- guidance on the preparation of FRAs for sites of varying risk across the flood zones, including information about the use of SUDS techniques;
- meaningful recommendations to inform policy, development control and technical issues.

12.5.2 Surface Water Management Plan

Birmingham City Council and its professional partners, the Environment Agency and Severn Trent Water should continue to develop a SWMP for Birmingham drawing in other local stakeholder to work together towards providing long term strategies to manage urban flooding.

12.5.3 Working in Partnership

The SFRA process has involved Birmingham City Council working in partnership with the Environment Agency, Severn Trent Water and British Waterways. This partnership working must continue, along with sharing of knowledge and information on a continual basis, to ensure the SFRA and any subsequent flood risk management policy is based on the latest and best information available, with mutual agreement with partners in its implementation.

12.5.4 SFRA Review

The SFRA is a working document and should be subject to rolling review, to ensure that new guidance and data is incorporated within the study. Issues which could trigger a review include the availability of new modelling data, occurrence of a major flood event occurs, revised Department of Communities and Local Government advice issued, change to the flood risk management strategies and the development of surface water management plans. These issues will be discussed at the regular meetings of the Birmingham Water Group and where the group feels there is a significant need the document will be updated.

13. References

1. Department for Communities and Local Government (2010) – Planning Policy Statement 25: Development and Flood Risk.
2. Department for Communities and Local Government (2009) – Development and Flood Risk a Practice Guide PPS 25
3. Construction Industry Research and Information (CIRIA)(2004) – CIRIA C624 – “*Development and Flood Risk - Guidance for the Construction Industry*”
4. Alphan, J. v., Beek, E. v., and Taal, M. (2006) – Floods, from Defence to Management: Symposium Proceedings (1st Edition), Taylor & Francis.
5. Department for Communities and Local Government (2006) – Planning Policy Statement 1: Delivering Sustainable Development
6. Department for Communities and Local Government (2006) – Planning Policy Statement 3: Housing
7. Department for Communities and Local Government (2001) – Planning Policy Guidance 25: Development and Flood Risk
8. Defra (2005) – Making Space for Water – Taking a New Governmental Strategy for Flood and Coastal Erosion Risk Management in England, Defra
9. Defra (2008) – Future Water – The Government’s Water Strategy for England, Defra
10. Pitt, M. (2008) – *Learning Lessons From the 2007 Summer Floods*, Cabinet Office, London
11. House of Lords and House of Commons (2010) –Flood and Water Management Act
12. Statutory Instrument 2009 No. 3042, Environmental Protection, The Flood Risk Regulations 2009
13. Government Office for the West Midlands (2004) -Regional Planning Guidance for the West Midlands RPG11
14. Regional Spatial Strategy for West Midlands. Government Office for the West Midlands. January 2008
15. The Birmingham Plan. Birmingham Unitary Development Plan 2005. Birmingham City Council. October 2005
16. Sustainable Management of Urban Rivers and Floodplain. Supplementary Planning Document. Birmingham City Council. June 2007
17. West Midlands Regional Assembly (2009) – West Midlands Regional Flood Risk Appraisal (RFRA)
18. Environment Agency (2011) – Catchment Flood Management Plans (CFMPs) – River Trent CFMP
19. Defra (2010) – Surface Water Management Plan Technical Guidance
20. Defra (2008) Making Space for Water – Urban Flood Risk and Integrated Drainage Pilots: Upper Rea Catchment including Longbridge, Northfield, and Rubery Districts of Birmingham-Project Code TRE 344

21. Ravnkilde, K. and Cambridge, A. (2009) "Managing surface water – demonstrating an integrated solution". Wallingford Software User Case Studies online accessed on September 2009 <http://www.wallingfordsoftware.com/casestudies/fullarticle.asp?ID=897>
22. Birmingham City Council (2010) Preliminary Flood Risk Assessment
23. Land Information Systems – Soilscales viewer online. Accessed on September 2009 - <http://www.landis.org.uk/services/soilscales.cfm>
24. Defra (2009) – Defra online accessed on September 2009 - <http://www.defra.gov.uk/environment/flooding/documents/manage/surfacewater/sw-settlement-order.pdf>
25. British Geological Survey (2001) – Geoscience Data for Birmingham City Council
26. British Geological Survey (1996) – England and Wales Solid and Drift Geology, 1:50,000, Birmingham, Sheet 168
27. Jackson, D. (1981) – Hydrochemical aspects of the Triassic sandstone aquifer of the West Midlands, unpublished PhD thesis, Birmingham University.
28. Construction Industry Research and Information Association (CIRIA) (1993) – Rising Groundwater Levels in Birmingham and the Engineering Implications, Special Publication 92.
29. Town and Country Planning (Flooding) England Direction, 2007
30. Water Resources Act 1991
31. Land Drainage Act 1991
32. Environment Agency (2009) – River Tame Flood Risk Management Strategy – Environmental Report – Non-Technical Summary.
33. Defra/Environment Agency (2004) – Review of impacts of rural land use and management on flood generation, R&D Technical Report FD2114/TR
34. Environment Agency (2008) – Delivery of Making Space for Water – HA6: Catchment Scale Land-Use Management and HA7: Land Management Practices
35. Posthumus, H. *et al.*, (2009) – Impacts of the summer 2007 floods on agriculture in England, *Journal of Flood Risk Management*, **2**, pp 182-189.
36. Construction Industrial Research and Information (2010) CIRIA Report 624: Development and Flood Risk - Guidance for the Construction Industry
37. European Commission (2000) - Water Framework Directive
38. Construction Industrial Research and Information (CIRIA) (2007) – CIRIA C697 – "The SUDS Manual"
39. Construction Industrial Research and Information (2010) – CIRIA C687 – Planning for SUDS
40. Report for Sustainable Eastside. Green Roofs: Benefits and Costs Implications. Livingroofs.org (2004).
41. Paper: Integration of Trees into Sustainable Drainage Systems. Scholz, M. and Englmeier, M., The University of Edinburgh (2007).
42. British Geological Survey (2001) – Geoscience Data for Birmingham City Council
43. BRE Digest (2007): BRE 365 Soakaway Design
44. The Building Regulations (2002): Part H - Drainage and Waste Disposal

Appendix A – Data Register

Data Set	Description	Media	Source	Date Received (Date Issued if BCC Data)
Flood Warning	Rea	Shapefile	Environment Agency	22/07/2009
	Cole	Shapefile	Environment Agency	22/07/2009
	Tame	Shapefile	Environment Agency	04/02/2011
Flood Zones	Flood Zone 2	Shapefile	Environment Agency	11/03/2011
	Flood Zone 3	Shapefile	Environment Agency	11/03/2011
Historic Levels	Actual Node Measurement	Shapefile	Environment Agency	22/07/2009
Main Rivers	Main River Birmingham outline	Shapefile	Environment Agency	22/07/2009
Model Levels	Model levels	Shapefile	Environment Agency	22/07/2009
Model outlines	20 Year Tame	Shapefile	Environment Agency	22/07/2009
	100 Year + CC Tame	Shapefile	Environment Agency	22/07/2009
	25 Year Cole MR	Shapefile	Environment Agency	22/07/2009
	100 Year + CC Cole MR	Shapefile	Environment Agency	22/07/2009
	20 Year Cole OW & Chinn	Shapefile	Environment Agency	22/07/2009
	100 Year + CC Cole OW & Chinn	Shapefile	Environment Agency	22/07/2009
	20 Year Rea & Tribs	Shapefile	Environment Agency	26/01/2011
	100 Year + CC Rea & Tribs	Shapefile	Environment Agency	26/01/2011
Rea x-sections	Rea x-sections	Shapefile	Environment Agency	22/07/2009
Flood Map for Surface Water	1 in 30 Year: 0.1 – 0.3m	MapInfo TAB	Environment Agency	07/11/2010
	1 in 30 Year: >0.3m	MapInfo TAB	Environment Agency	07/11/2010
	1 in 200 Year: 0.1 – 0.3m	MapInfo TAB	Environment Agency	07/11/2010
	1 in 200 Year: >0.3m	MapInfo TAB	Environment Agency	07/11/2010
Ordnance Survey Data	MasterMap 2011	MapInfo TAB	Birmingham City Council	31/03/2011
	Street Gazetteer 2009	MapInfo TAB	Birmingham City Council	31/03/2011
	1:10,000	MapInfo TAB	Birmingham City Council	31/03/2011
	1:50,000	MapInfo TAB	Birmingham City Council	31/03/2011
National Soil Resources Institute	SOILSCAPES	Shapefile	Cranfield University	05/08/2009
BCC Boundary Data	Birmingham City Boundary	MapInfo TAB	Birmingham City Council	05/08/2009
	Planning Boundaries	MapInfo TAB	Birmingham City Council	31/03/2011

Data Set	Description	Media	Source	Date Received (Date Issued if BCC Data)
	SHLAA 2010	MapInfo TAB	Birmingham City Council	16/11/2010
	Core Employment Areas 2010	MapInfo TAB	Birmingham City Council	16/11/2010
	Constituencies	MapInfo TAB	Birmingham City Council	26/08/2009
Historic Flooding Records Post 98 Data	Watercourse Flooding	MapInfo TAB	Birmingham City Council	05/08/2009
	Groundwater Flooding	MapInfo TAB	Birmingham City Council	05/08/2009
	Surface Water Flooding	MapInfo TAB	Birmingham City Council	05/08/2009
	Other Flooding	MapInfo TAB	Birmingham City Council	05/08/2009
SFRA Flooded Sites Postcode Data	Sept 2008 Other	MapInfo TAB	Birmingham City Council	05/08/2009
	Sept 2008 Surface Water	MapInfo TAB	Birmingham City Council	05/08/2009
	Sept 2008 Watercourse	MapInfo TAB	Birmingham City Council	05/08/2009
	July 2007 Other	MapInfo TAB	Birmingham City Council	05/08/2009
	July 2007 Surface Water	MapInfo TAB	Birmingham City Council	05/08/2009
	July 2007 Watercourse	MapInfo TAB	Birmingham City Council	05/08/2009
	June 2007 Surface Water	MapInfo TAB	Birmingham City Council	05/08/2009
	June 2007 Watercourse	MapInfo TAB	Birmingham City Council	05/08/2009
	June 2005 Other	MapInfo TAB	Birmingham City Council	06/08/2009
	June 2005 Surface Water	MapInfo TAB	Birmingham City Council	06/08/2009
	June 2005 Watercourse	MapInfo TAB	Birmingham City Council	06/08/2009
	1998/2000 Other	MapInfo TAB	Birmingham City Council	06/08/2009
	1998/2000 Surface Water	MapInfo TAB	Birmingham City Council	06/08/2009
	1998/2000 Watercourse	MapInfo TAB	Birmingham City Council	06/08/2009
Frankley Surface Water	MapInfo TAB	Birmingham City	21/08/2009	

Data Set	Description	Media	Source	Date Received (Date Issued if BCC Data)
			Council	
	Frankley Watercourse	MapInfo TAB	Birmingham City Council	21/08/2009
	Witton Watercourse	MapInfo TAB	Birmingham City Council	21/08/2009
Water Company Data	DG5 Register	Excel Spreadsheet	Severn Trent Water	24/02/2011
	DAP Polygons	MapInfo TAB	Severn Trent Water	24/02/2011
Groundwater	Groundwater Susceptibility Data	MapInfo TAB	British Geological Society	07/09/2009
Water Features Layers	Ordinary Watercourse Open Channel	MapInfo TAB	Birmingham City Council	11/04/2011
	Ordinary Watercourse Culvert	MapInfo TAB	Birmingham City Council	11/04/2011
	Canals	MapInfo TAB	Birmingham City Council	04/09/2009
	Canal Tunnel	MapInfo TAB	Birmingham City Council	04/09/2009
	Canal Feeder	MapInfo TAB	Birmingham City Council	04/09/2009
	Canal Feeder Tunnel	MapInfo TAB	Birmingham City Council	04/09/2009
	Reservoirs	MapInfo TAB	Birmingham City Council	04/09/2009
	Covered Reservoirs	MapInfo TAB	Birmingham City Council	04/09/2009
	Pools	MapInfo TAB	Birmingham City Council	04/09/2009
Canal Data	Canal Breach Locations	Map	British Waterways	14/02/2011

Table A.1 – Data Register

Appendix B – Historical Flooding Events

Flood Event	Area	Constituency	Watercourse	Roads with Properties Affected	No. of Properties with Internal Flooding
September 2008	Billesley	Selly Oak	Chinn Brook	Stoneyford Grove	0
September 2008	Weoley Castle	Northfield	Wood Brook	Bristol Road, Fox Hill, Witherford Way, Middle Park Road	4
September 2008	Selly Park	Selly Oak	River Rea	Cecil Road, Hobson Road, Kitchener Road, Fashoda Road, Moor Green Lane	25
September 2008	Selly Park	Selly Oak	Bourn Brook	Fourth Avenue, Pershore Avenue, Riverside Drive, Sir Johns Road, Mayfield Avenue, Pershore Road, Third, Avenue, First Avenue	17
September 2008	California	Edgbaston, Selly Oak	Bourn Brook	Elford Road, Swinford Road, Osmaston Road, Reservoir Road	3
September 2008	Springfield	Hall Green	River Cole	Green Road, Sarehole Road	0
September 2008	California	Edgbaston	Stonehouse Brook	Stonebrook Way	2
September 2008	Bournville	Selly Oak	The Bourn	Bond Street, Oxford Street	1
September 2008	Frankley	Northfield	River Rea	Ringwood Drive. Wyre Close	6
September 2008	Weoley Castle	Northfield	Griffins Brook	Woodbrooke Grove, New House Farm Drive	8
July 2007	California	Edgbaston, Selly Oak	Bourn Brook	Elford Road	2
July 2007	Sparkhill	Hall Green	River Cole	Formans Road, Percy Road	20
July 2007	Hodgehill	Hodge Hill	River Cole	Maryland Avenue	0
July 2007	Stirchley	Selly Oak	River Rea	Ripple Road	0
July 2007	Springfield	Hall Green	River Cole	Sarehole Road	2
June 2007	Four Oaks	Sutton Coldfield	Four Oaks Brook	Blackroot Road, Halloughton Road, Kenilworth Close	1
June 2007	Sutton	Sutton Coldfield	Plants Brook, Longmoor Brook	Clifton Road, Fawdry Close, Garrard Gardens, Ryton Close, Manor Road, Chichester Court	1
June 2007	Springfield	Hall Green	Coldbath Brook	Pensby Close	3
June 2007	Selly Oak	Selly Oak	Bourn Brook	Reservoir Road	1
June 2007	Billesley	Selly Oak	Haunch Brook (Trib)	Whealers Lane, Birdwell Croft, Peacock Road	5

Flood Event	Area	Constituency	Watercourse	Roads with Properties Affected	No. of Properties with Internal Flooding
June 2007	Witton	Perry Barr	River Tame	Deykin Avenue, Tame Road, Electric Avenue, Brantley Road, Westwood Road	65
June 2005	Perry Barr	Perry Barr	Perry Brook	Church Road	5
June 2005	Harborne	Edgbaston	Harts Green Brook	Quinton Road, Ferncliffe Road, Beaumont Drive, Wheats Avenue, Mellors Close	2
June 2005	Northfield	Northfield	Gallows Brook	Heath Road South	0
June 2005	Harborne	Edgbaston	Chad Brook	Pereira Road	0
June 2005	Perry Common	Erdington	Hawthorn Brook	Witton Lodge Road	0
Sept 1998 - July 2000	Northfield	Northfield	River Rea	Station Road, Middlemore Road, Coleys Lane, West Heath Road, Abbeydale Road, Staple Hall Road	36
Sept 1998 - July 2000	Longbridge	Northfield	River Rea	Tessall Lane, Oak Grove, Appletree Close, Longbridge Lane	8
Sept 1998 - July 2000	Bournville	Selly Oak	Gallows Brook	Berberry Close	4
Sept 1998 - July 2000	Kings Norton	Northfield	River Rea	Westhill Road, Pershore Road South	3
Sept 1998 - July 2000	West Heath	Northfield	West Heath Brook	Pitclose Road	11
Sept 1998 - July 2000	Northfield	Northfield	Hanging Brook	Chelston Road, West Park Avenue, Hanging Lane, Josiah Road, Steel Road, Peters Avenue	11
Sept 1998 - July 2000	Turves Green	Northfield	Turves Green Brook	Parkdale Drive	0
Sept 1998 - July 2000	Billesley	Selly Oak	Haunch Brook	Hollybank Road, Chamberlain Road, Chessetts Grove	2
Sept 1998 - July 2000	Billesley	Selly Oak	Haunch Brook (Trib)	Wheeler Lane, Birdwell Croft	1
Sept 1998 - July 2000	Frankley	Northfield	Frankley Brook	Fisher Close, Boleyn Road	2
Sept 1998 - July 2000	Shenley Fields	Edgbaston	Merritts Brook	Merritts Brook Lane	1

Table B.1 – Historic Watercourse Flooding Incidents

Flood Event	Area	Constituency	Roads with Properties Affected	No. of Properties with Internal Flooding
September 2008	Selly Oak	Selly Oak	Lodge Hill Road	5
September 2008	Kitwell	Edgbaston	Longford Close	3
September 2008	Weoley Castle	Northfield	Bushwood Road	4
September 2008	Lodge Hill	Selly Oak	Weoley Avenue, Corisande Road, Alwold Road	5
September 2008	Frankley	Northfield	Miranda Close, Oberon Close	21
July 2007	South Yardley	Yardley	Gilbertsone Avenue	1
July 2007	Bournville	Selly Oak	Selly Oak Road	1
July 2007	Harborne	Edgbaston	Wadhurst Road	1
July 2007	West Heath	Northfield	Wakeford Road	0
June 2007	Acock's Green	Yardley	Marie Drive	1
June 2005	Woodgate	Edgbaston	Bark Piece	1
June 2005	Longbridge	Northfield	Coombes Road	1
June 2005	Harborne	Edgbaston	Quinton Road, Ferncliffe Road, Beaumont Drive, Wheats Avenue, Mellors Close	6
June 2005	Handsworth	Ladywood	Ninevah Road	1
June 2005	Bartley Green	Edgbaston	Rush Green	1
June 2005	Northfield	Northfield	Station Road	0
June 2005	Woodgate	Edgbaston	The Hill	0
June 2005	Longbridge	Northfield	Thurlestone Road	1
Sept 1998 - July 2000	Northfield	Northfield	Bristol Road South, Newlyn Road, Frankley Beeches Road	10
Sept 1998 - July 2000	Northfield	Northfield	Bristol Road South	7
Sept 1998 - July 2000	Turves Green	Northfield	Coney Green Drive	1
Sept 1998 - July 2000	West Heath	Northfield	Exe Croft, The Fordrough, Aire Croft	4

Flood Event	Area	Constituency	Roads with Properties Affected	No. of Properties with Internal Flooding
Sept 1998 - July 2000	Frankley	Northfield	Crychan Close, Boleyn Road, Oberon Close, Miranda Close, Blackdown Close, Cotswold Close, Brightstone Road, Epping Close	26
Sept 1998 - July 2000	Northfield	Northfield	Staple Lodge Road	7
Sept 1998 - July 2000	West Heath	Northfield	Nesfield Close	4
Sept 1998 - July 2000	Cofton	Northfield	Longbridge Lane, Rea Close	2

Table B.2 – Historic Surface Water Flooding Incidents

Date	Canal	Location	Cause
1872	Worcester & Birmingham Canal	Near Edgbaston Tunnel	Engineering works to adjacent railway
1894	Worcester & Birmingham Canal	Selly Oak	Cause unknown.
1938	Grand Union Canal	Between locks 5 to 4	Failed culvert, canal dewatered between locks 5 to 4, 0.45km in length
1940	Worcester & Birmingham Canal	Bourneville Lane Aqueduct	WW2 Bomb.
1952	Grand Union Canal Breach	Between locks 5 to 4	Failed canal wall, canal dewatered between locks 5 to 4, 0.45km in length.
1957	Grand Union Canal	Tysley	Erosion to the embankment by the River Cole bridges 88b to 88c.
1985	Birmingham & Fazeley Canal	Locks 1 to 2	Culvert collapse, minimal damage as canal was dewatered before major loss of water could take place
1989	Grand Union Canal	Not given	Pump shaft leak 1989. No third party damage.
1990	Grand Union Canal	Hay Mills	Third party works to the adjacent mill leat, bridges 88b to 88c.
2010	Birmingham & Fazeley Canal	Minworth	Vandalism

Table B.3 – Historic Canal Breach Incidents

Appendix C – Groundwater

1. Groundwater

The substance of this note is sourced from the CIRIA Special Publication 92 (1993) Titled: Rising Groundwater Levels in Birmingham and the Engineering Implications¹.

The predictions of future groundwater levels in this study (2020) have been reported however more recent long term monitoring data on groundwater level would be needed to assess the current and future implications for groundwater levels in the Birmingham Area.

1.1 Introduction

The Triassic Sandstones that underlie much of the city of Birmingham are water bearing and were used for well over a century as a major source of supply for local industry and commerce, and originally also for local public water supply. Between about 1860 and 1930 many wells and boreholes were sunk to meet the needs of industrial development and urbanisation. Abstraction rates exceeded recharge, as a direct consequence groundwater levels in the sandstone aquifer fell. Pumping reached a peak in the late 1940s and early 1950s but water levels continued to decline. As recently as the early 1960s the water table was still falling below the Aston-Nechells area at between 450 and 750mm per year² where it was as much as 25 to 30 metres below its original level.

During the last 40 years there has been an appreciable reduction in the amount of pumping in the area, reflecting the declining fortunes and changing practice of many of the industrial consumers. Licensed abstractions within the Birmingham Groundwater Unit have fallen in total to less than a fifth of the peak, from an estimated maximum of over 75 Ml/d (megalitres per day) during the 1940s, to less than 15 Ml/d in 1993.¹

The excess of natural recharge and leakage over abstraction from the aquifer has led to a rapid rise in groundwater levels. Ultimately the groundwater surface will return to historic levels, subject to the effects of changes in surface land use, drainage and continued abstractions.

Groundwater levels were monitored by the National Rivers Authority (NRA), and subsequently by the Environment Agency (EA) at a number of boreholes around the city. Results from 1970 onwards show that over a wide area of Perry Barr, Witton and Nechells in the Tame valley and lower reaches of the Rea valley, the groundwater is within 1 to 3 metres of the present ground surface. Similarly high groundwater levels have returned along the lower parts of a number of tributary valleys.¹

1.2 The Birmingham Aquifer

The area affected by the rebounding of groundwater levels corresponds to the extent of water bearing sandstones under and around the city of Birmingham, an area of approximately 110 square kilometres. This area is approximately 6 to 8 kilometres wide, extending from the districts of Weoley Castle and Bourneville in the south, to Streetley in the north, a distance of 18 kilometres.

The eastern boundary of this area is defined by the Birmingham Fault a major geological dislocation that cuts off the sandstones and steps them down below newer strata (mercia

¹ CIRIA Special Publication 92 (1993) Rising Groundwater Levels in Birmingham and the Engineering Implications

² LAND, D.H. Hydrogeology of the Triassic Sandstones in the Birmingham-Lichfield district Water Supply Papers of the Geol. Sum. Gt. Brit., Hydrogeol. Report No. 2., Natural Environment Research Council, 1966

mudstones) to the east. The area has an irregular western boundary which corresponds to the limit of the outcrop of sandstones as they thin out over older (carboniferous) strata to the west.^{1,3}

The northern boundary is inferred to run west southwest-east northeast line from about Barr Beacon to Canwell Gate. This line corresponds to a surface water divide along a ridge of higher ground and a groundwater divide along an anticlinal axis on the base of the Triassic sandstones. This division separates what was described by Land (1966)² as the Lichfield groundwater unit to the north and the Birmingham groundwater unit to the south.

Except for seasonal and short-term fluctuations, the levels of groundwater north of this dividing line in the Lichfield unit have shown no significant change over many decades. Indicating that this northern part of the sandstone aquifer plays no part in the Birmingham rising groundwater problem.¹

1.3 Geology/Hydrogeology

The Sherwood Sandstone group of strata, within the Triassic sequence, represent the principal aquifer. The main units of this group which comprise the Birmingham Aquifer are from top to bottom the Bromsgrove Sandstone, The Wildmoor Sandstone and the Kidderminster Sandstone, the underlying Hopwas Breccia is also considered to be in continuity with these sandstones and therefore part of the Birmingham Aquifer.³

The rocks have a general southeastward dip at an average gradient between 2 and 5 degrees. The surface distribution of the sandstones is determined by the outcrop of their basal beds on the western side, and by the Birmingham Fault which crosses the district in a south southwest-north northeast direction, passing just southeast of the city centre.^{1,3} The fault throws the strata downward to the southeast by about 45 metres in that area.¹

The fault has an important influence on the groundwater conditions. It acts as a barrier to shallow groundwater flows although flow does take place across it at depth where the Sherwood sandstones on either side are partially in contact.⁴ To the west of the fault the groundwater in these sandstones is unconfined, and to the east it is confined at depth below impermeable Mercia Mudstones.

1.4 Groundwater/Surface Water Interactions

At the start of the 19th century the principal valley floors were still marshy floodplains so, as the town of Birmingham expanded, the higher ground became developed with housing. As the century progressed industry colonised the lower ground. Pressure for land became greater, so the rivers were channelled or culverted and the floodplains built up with ash, cinder and other fill deposits to create new building land.

Urban growth during the present century has meant that a high proportion of the Birmingham aquifer is now covered by built development. Urbanisation will have increased the rate and amount of rainfall runoff, but at the same time introduced water mains and sewers that leak into the underlying strata.

A network of canals was constructed from the late 18th century onward and the rivers were straightened and strengthened. A number of canal branches and basins have subsequently been abandoned and filled in and lengths of the River Tame have been realigned several times.

³ BRITISH GEOLOGICAL SURVEY. 1996. Birmingham. England and Wales Sheet 168. Solid and Drift Geology. 1:50,000. (Keyworth, Nottingham: British Geological Survey)

⁴ JACKSON, D. Hydrochemical aspects of the Triassic sandstone aquifer of the West Midlands Unpublished PhD thesis, Dept. Geol. Sciences, University of Birmingham, 1981

The principal rivers in the Birmingham aquifer area (Tame and Rea) have been altered significantly since groundwater levels were lowered. The interaction of rising groundwater with these rivers is uncertain.

1.5 Groundwater Level Predictions (from 2020 in 1993)

The groundwater modelling studies of the Birmingham Aquifer presented in the 1993 CIRIA were run for a number of future options in terms of abstraction rates and locations. The worst case modelling assumptions assumed a relatively low rate of abstraction from the Birmingham aquifer. The impacts predicted were for rising levels of between 10 and 12 m to the south of the River Tame between 1990 and 2020, and relatively little change north of the River Tame.¹

Rising levels in the main Birmingham aquifer units will cause water to overspill into superficial groundwater units over a wider area. This is particularly the case along the Birmingham Fault where levels were already over spilling into the superficial aquifers overlying the Mercia Mudstones west of the fault in places in the early 1990s.

1.6 Summary

There is likely to be continuing widespread impacts as a result of groundwater level rebound in the Birmingham area. Localised management and dewatering operations to stabilise and protect buildings, buried structures and avoid flooding of basements and low lying areas are likely to be required unless substantial increases in groundwater abstraction rates have occurred in recent years.

A small scale investigation taking advantage of publicly available data resources into the recent groundwater abstraction rates and locations from the Birmingham aquifer and trends in groundwater levels in the aquifer could be conducted which would add the summary provided here. However a larger scale investigation would be required to investigate and correlate in detail groundwater flooding events, groundwater levels and interactions of the various aquifer bodies which exist in the Birmingham area.

Appendix D - Hydraulic Models

Watercourse	Purpose	Commissioned By	Downstream Extent	D/S Grid Ref	Upstream Extent	U/S Grid Ref	Date	Package	Consultant
Warren Brook	Perry Common SCC FRA	BCC	Bexley Road	408861, 293817	Perry Common Road	409406, 292709	Jun 06	HEC-RAS	Atkins
Langley Brook	Woodington SCC FRA	BCC	Fairfax Road	413932, 296250	Falcon Lodge Crescent	414732, 296196	Feb 07	HEC-RAS	Atkins
River Cole	Flood Risk Mapping Study	EA	Formans Road	409834, 283352	River Blythe Confluence	421068, 291070	Mar 07	ISIS	JBA
Perry Brook	Church Road FAS Feasibility	BCC	M6 Culvert outlet	406859, 292541	River Tame	407012, 291972	Apr 07	ISIS	Atkins
Washwood Heath Brook	Ward End Park FRA	BCC	Hazelbeach Road	410868, 288071	Lime Tree Road	410856, 288527	Jun 07	HEC-RAS	Atkins
Hanging Brook	Flood Alleviation Scheme Feasibility	BCC	North Worcestershire Golf Club - Near Green	400927, 278978	Near bend in Chelston Road	401485, 278770	Sep 08	ISIS	Atkins
River Tame	Tame Strategy	EA	Oldbury Arm	398689, 287184	To confluence with River Trent	N/A	Dec 08	ISIS	Halcrow
			Willenhall Arm	397580, 298697	To confluence with River Trent	N/A			
River Cole and Chinn Brook	Flood Risk Mapping Study	EA/BCC	Railway Bridge Upstream of Houndsfield Lane	409773, 276565	Formans Road	409834, 283352	Mar 09	ISIS	JBA
			The Fordborough Road	408999, 277619	To the confluence with the River Cole	N/A			
			Downstream of Stratford-upon-Avon canal	407419, 279274	To the confluence with the River Cole	N/A			
Wood Brook	Local SWMP	BCC/EA	Shenley Pool	403030, 282010	The Bourn	403690, 281240	Mar 10	InfoWorks	Atkins
River Rea, The Bourn, Griffins Brook, Bourn Brook and Stonehouse Brook	Flood Risk Hazard Mapping	EA	Frankley Reservoir	399892, 278115	River Tame	410710, 289580	Jun 10	ISIS	JBA
			Shenley Lane	402310, 280390	To the confluence with the River Rea				

Watercourse	Purpose	Commissioned By	Downstream Extent	D/S Grid Ref	Upstream Extent	U/S Grid Ref	Date	Package	Consultant
			West Boulevard	401650, 283390	To the confluence with the River Rea				
			Bartley Reservoir	400860, 281512	To the confluence with Bourn Brook				
Plants Brook and Longmoor Brook	Flood Risk Mapping Study	EA/BCC	Bracebridge Pool	409472, 298258	River Tame	415183, 290774	Sep 10	ISIS	Royal Haskoning
			Longmoor Pool	409288, 296344	To the confluence with Plants Brook				

Table D.1 – Existing Hydraulic Models

Appendix E – Drawings

The following drawings are available.

Series	Title	Drawing Number
Overview	Birmingham City Overview Map	5045289/01/01A
Major Catchments Overview Map	River Rea	5045289/02/01A
	River Tame	5045289/02/02A
	River Cole	5045289/02/03A
Water Features	Northfield Constituency	5045289/03/01A
	Selly Oak Constituency	5045289/03/02A
	Hall Green Constituency	5045289/03/03A
	Edgbaston Constituency	5045289/03/04A
	Yardley Constituency	5045289/03/05A
	Ladywood Constituency	5045289/03/06A
	Hodge Hill Constituency	5045289/03/07A
	Perry Barr Constituency	5045289/03/08A
	Erdington Constituency	5045289/03/09A
	Sutton Coldfield	5045289/03/10A
Locations of Historic Flooding	Northfield Constituency	5045289/04/01A
	Selly Oak Constituency	5045289/04/02A
	Hall Green Constituency	5045289/04/03A
	Edgbaston Constituency	5045289/04/04A
	Yardley Constituency	5045289/04/05A
	Ladywood Constituency	5045289/04/06A
	Hodge Hill Constituency	5045289/04/07A
	Perry Barr Constituency	5045289/04/08A
	Erdington Constituency	5045289/04/09A
	Sutton Coldfield	5045289/04/10A
EA Flood Zones and NFCDD Assets	Northfield Constituency	5045289/05/01A
	Selly Oak Constituency	5045289/05/02A
	Hall Green Constituency	5045289/05/03A
	Edgbaston Constituency	5045289/05/04A
	Yardley Constituency	5045289/05/05A
	Ladywood Constituency	5045289/05/06A
	Hodge Hill Constituency	5045289/05/07A
	Perry Barr Constituency	5045289/05/08A
	Erdington Constituency	5045289/05/09A
	Sutton Coldfield	5045289/05/10A

Series	Title	Drawing Number
Surface Water Flooding Susceptibility	Northfield Constituency	5045289/06/01A
	Selly Oak Constituency	5045289/06/02A
	Hall Green Constituency	5045289/06/03A
	Edgbaston Constituency	5045289/06/04A
	Yardley Constituency	5045289/06/05A
	Ladywood Constituency	5045289/06/06A
	Hodge Hill Constituency	5045289/06/07A
	Perry Barr Constituency	5045289/06/08A
	Erdington Constituency	5045289/06/09A
	Sutton Coldfield	5045289/06/10A
Groundwater Flooding Susceptibility	Northfield Constituency	5045289/07/01A
	Selly Oak Constituency	5045289/07/02A
	Hall Green Constituency	5045289/07/03A
	Edgbaston Constituency	5045289/07/04A
	Yardley Constituency	5045289/07/05A
	Ladywood Constituency	5045289/07/06A
	Hodge Hill Constituency	5045289/07/07A
	Perry Barr Constituency	5045289/07/08A
	Erdington Constituency	5045289/07/09A
	Sutton Coldfield	5045289/07/10A
Hydraulic Models	River Rea	5045289/08/01A
	River Tame	5045289/08/02A
	River Cole	5045289/08/03A
Climate Change and Functional Floodplain	Northfield Constituency	5045289/09/01A
	Selly Oak Constituency	5045289/09/02A
	Hall Green Constituency	5045289/09/03A
	Edgbaston Constituency	5045289/09/04A
	Yardley Constituency	5045289/09/05A
	Ladywood Constituency	5045289/09/06A
	Hodge Hill Constituency	5045289/09/07A
	Perry Barr Constituency	5045289/09/08A
	Erdington Constituency	5045289/09/09A
	Sutton Coldfield	5045289/09/10A
Flood Warning Zones	Northfield Constituency	5045289/10/01A
	Selly Oak Constituency	5045289/10/02A
	Hall Green Constituency	5045289/10/03A

Series	Title	Drawing Number
Flood Warning Zones	Edgbaston Constituency	5045289/10/04A
	Yardley Constituency	5045289/10/05A
	Ladywood Constituency	5045289/10/06A
	Hodge Hill Constituency	5045289/10/07A
	Perry Barr Constituency	5045289/10/08A
	Erdington Constituency	5045289/10/09A
	Sutton Coldfield	5045289/10/10A
Geology and Superficial Deposits	Northfield Constituency	5045289/11/01A
	Selly Oak Constituency	5045289/11/02A
	Hall Green Constituency	5045289/11/03A
	Edgbaston Constituency	5045289/11/04A
	Yardley Constituency	5045289/11/05A
	Ladywood Constituency	5045289/11/06A
	Hodge Hill Constituency	5045289/11/07A
	Perry Barr Constituency	5045289/11/08A
	Erdington Constituency	5045289/11/09A
	Sutton Coldfield	5045289/11/10A

Appendix F – Water Features

Watercourse	Length (km)	Catchment Area (km2)	Main River	1 in 100 Year (1% AEP) Flow (m3/s) (NRFFA dataset)	Tributaries	Notes
Hilltop Brook	2.6	2.7	No	n/a		
Perry Hall Brook	0.8	0.7	No	n/a		
Handsworth Brook	2.5	3.8	No	4.9		
Perry Brook	3.0	13.0	Part	7.8		
Hawthorn Brook	5.6	11.5	Yes	1.6	Warren Brook; Short Heath Brook	
Warren Brook	1.4	2.8	No	n/a		
Short Heath Brook	1.1	3.8	No	0.7		
Hockley Brook	6.8	26.7	Part	16.0		Flows into Birmingham from Sandwell. Length quoted is within BCC.
Washwood Heath Brook	2.9	3.6	No	1.3		
Dunlop Carrier	2.0	n/a	No	n/a	Erdington Brook	
Erdington Brook	2.3	2.5	No	n/a		
Plants Brook	12.5	34.2	Part	5.9	Keepers Brook; Four Oaks Brook; Longmoor Brook; Mere Brook; Walmley Ash Brook	
Keepers Brook	0.7	0.8	No	n/a		
Four Oaks Brook	1.4	0.9	No	n/a		
Longmoor Brook	4.0	12.8	No	1.2		
Mere Brook	3.0	5.5	No	2.4		
Walmley Ash Brook	2.2	1.6	No	n/a		
Peddimore Brook	3.4	1.0	No	4.0		

Table F.1 – Tributaries of the River Tame within Birmingham

Watercourse	Length (km)	Catchment Area (km2)	Main River	1 in 100 Year (1% AEP) Flow (m3/s) (NRFFA dataset)	Tributaries	Notes
Langley Brook	7.3	12.0	No	8.7	Churchill Brook; Lindridge Brook; Collets Brook	Flows into River Tame at Kingsbury. Length and catchment quoted is within BCC.
Churchill Brook	1.3	1.5	No	n/a		
Lindridge Brook	3.1	3.7	No	1.9	Ashfurlong Brook	
Collets Brook	4.3	3.3	No	2.3		
Ashfurlong Brook	1.2	1.3	No	n/a		
Footherley Brook	6.6	n/a	No	n/a		Flows into Black Brook and the River Tame at Fazeley
Littlehay Brook	3.4	n/a	No	1.3		Flows into Black Brook and the River Tame at Fazeley

Table F.2 – Tributaries of the River Tame to the North of Birmingham

Watercourse	Length (km)	Catchment Area (km ²)	Main River	1 in 100 Year (1% AEP) Flow (m ³ /s) (NRFFA dataset)	Tributaries	Notes
Frankley Brook	0.5	n/a	No	n/a		
Egghill Dingle	0.9	0.7	No	n/a		
Callow Brook	1.7	3.6	No	3.1	Leach Heath Brook	Length quoted is within BCC.
Leach Heath Brook	0.9	1.0	No	n/a		
Hanging Brook	1.6	0.8	No	n/a		
Turves Green Brook	2.8	3.0	No	n/a		
West Heath Brook	1.1	n/a	No	n/a		
Staplehall Brook	1.1	0.5	No	n/a		
Merecroft Brook	1.1	0.7	No	n/a		
Masshouse Brook	3.3	3.4	No	5.1		
Cotteridge Brook	1.4	1.1	No	n/a		
The Bourn	2.7	11.0	Yes	7.9	Griffins Brook; Wood Brook; Gallows Brook	
Griffins Brook	1.7	5.5	No	2.5	Merritt's Brook	
Wood Brook	1.1	2.1	Yes	n/a		
Gallows Brook	2.0	1.5	No	n/a		
Merritt's Brook	3.2	3.9	No	1.8		
Kings Heath Brook	0.9	1.5	No	n/a		
Bourn Brook	8.2	28.1	Part	21.7	Stonehouse Brook; Harts Green Brook; Chad Brook	
Stonehouse Brook	3.2	6.1	Yes	3.4	Bartley Brook	

Watercourse	Length (km)	Catchment Area (km ²)	Main River	1 in 100 Year (1% AEP) Flow (m ³ /s) (NRFFA dataset)	Tributaries	Notes
Harts Green Brook	2.3	4.9	No	4.9	Welches Brook	
Chad Brook	5.0	6.7	No	4.2		
Bartley Brook	2.2	1.4	No	n/a		
Welches Brook	2.5	3.6	No	3.8		
Moseley Brook	0.9	1.0	No	n/a		
Hockley Brook Relief Channel	1.4	n/a	No	n/a		

Table F.3 – Tributaries of the River Rea

Watercourse	Length (km)	Catchment Area (km2)	Main River	1 in 100 Year (1% AEP) Flow (m3/s) (NRFFA dataset)	Tributaries	Notes
Peter Brook	1.1	0.7	No	n/a		Joins Hollywood Brook, then River Cole outside Birmingham
Robin Hood Brook	0.9	1.1	No	n/a		
Chinn Brook	4.6	10.2	No	9.66	Slade Brook; Haunch Brook	
Slade Brook	1.4	0.9	No	n/a		
Haunch Brook	2.0	2.3	No	n/a		
Swanshurst Brook	1.2	0.5	No	n/a		
Coldbath Brook	1.3	2.0	No	n/a		
Sparkhill Brook	0.6	0.6	No	4.64		
Tyseley Brook	2.4	2.7	No	n/a		
Spark Brook	0.9	3.7	No	n/a		
Flaxley Brook	0.2	1.5	No	n/a		
Yardley Brook	0.8	2.0	No	n/a		
Hatchford Brook	6.3	n/a	Yes	15.34	Westerley Brook; Sheldon Brook	Hatchford Brook and tributaries join outside Birmingham.
Westerley Brook	6.3	n/a	Yes	11.13		
Sheldon Brook	2.9	n/a	No	5.56		

Table G.4 – Tributaries of the River Cole

Reservoir Name	Constituency	Undertaker
Bartley	Edgbaston	Severn Trent Water Authority
Blackroot Pool	Sutton Coldfield	Birmingham City Council
Bracebridge Pool	Sutton Coldfield	Birmingham City Council
Edgbaston Pool	Edgbaston	Edgbaston Golf Club Ltd
Erdington Service	TBC	Severn Trent Water Authority
Frankley Balancing Reservoir	Northfield	Environment Agency
Frankley Pure Water	TBC	Severn Trent Water Authority
Frankley Raw Water	Edgbaston	Severn Trent Water Authority
Lifford Reservoir	Selly Oak	Birmingham City Council
Longmoor Pool	Sutton Coldfield	Birmingham City Council
Penns Hall Lake	Sutton Coldfield	Jarvis Hotels Penns Hall Ltd
Perry Barr	Perry Barr	Severn Trent Water Authority
Perry Hall Playing Fields Controlled Washlands	Perry Barr	Environment Agency
Perry Pool	Perry Barr	Birmingham City Council
Powells Pool	Sutton Coldfield	Birmingham City Council
Rotton Park	Ladywood	British Waterways
Salford Reservoir	Ladywood	Birmingham City Council
Swanshurst Pool	Hall Green	Birmingham City Council
Trittiford Mill Pool	Selly Oak	Birmingham City Council
Witton Lake (2 reservoirs)	Erdington	Birmingham City Council
Wychall	Northfield	Environment Agency
Wyndley Pool	Sutton Coldfield	Birmingham City Council

Table G.5 – Large Raised Reservoirs with Birmingham

Appendix G – NFCDD Assets

Watercourse	Asset Location	Maintainer	Asset Type	Asset Description	Design SOP (years)
River Tame	BY BOATING POOL, CRANTOCK ROADDS GR SP06059183 - US GR SP06039190	Environment Agency	Flood defence structure	PERRY PARK FLUME	50
River Tame	PERRY HALL PLAYING FLDS, OPPOSITE CRANTODS GR SP06029190 - US GR SP05969201	Environment Agency	Flood defence structure	PERRY PARK INLET WEIRS	50
River Tame	50M U/S OF SANDWELL COUNTRY PARK FLUME DS GR SP02949265 - US GR SP02939276	Environment Agency	Flood defence structure	SANDWELL LAKE INLET WEIR	50
River Rea	Adjacent to Wychall Lane.	Local Authority	Flood defence structure	Natural Banks	n/a
River Rea	Adjacent to Wychall Lane.	Local Authority	Flood defence structure	Natural banks	n/a
River Rea	Popes Lane	Local Authority	Flood defence structure	FLOOD RELIEF CHANNEL	n/a
Westley Brook	Playing fields off Gospel Lane.	Environment Agency	Flood defence structure	Wall.	5
Wood Brook	Confluence with Griffins Brook to downstream of Shenley Fields Road.	Local Authority	Flood defence structure	Bank protection/ flood bund.	n/a
River Tame	D/S OF BROMFORD ROAD BRIDGE	Environment Agency	Raised defence (man-made)	MASONRY WALL	50
River Tame	BETWEEN THE M6 AND THE PIPE CROSSING	Environment Agency	Raised defence (man-made)	MASONRY WALL	50
River Tame	FROM RECREATIONAL GROUND TO BROMFORD LANE	Environment Agency	Raised defence (man-made)	MASONRY WALL	50
River Tame	D/S OF RAILWAY BRIDGE	Environment Agency	Raised defence (man-made)	MASONRY WALL	50
River Tame	BETWEEN RAILWAY LINES NEAR THE M6	Environment Agency	Raised defence (man-made)	WALL	50
River Tame	UNDER THE M6 AND THROUGH GRAVELLY IND ES	Local Authority	Raised defence (man-made)	WALL	50

Watercourse	Asset Location	Maintainer	Asset Type	Asset Description	Design SOP (years)
River Tame	100M U/S OF BROMFORD LANE BRIDGE NR WOLS	Environment Agency	Raised defence (man-made)	SHEET PILE REVETMENT	50
River Tame	D/S OF THE RAILWAY BRIDGES NR THE FOOTPATH	Environment Agency	Raised defence (man-made)	MASONRY WALL D/S SP11458961 U/S SP11448965.	50
River Tame	BETWEEN THE TWO RAILWAY BRIDGES	Environment Agency	Raised defence (man-made)	WALL	50
River Tame	UNDER THE SECOND RAILWAY BRIDGE	Environment Agency	Raised defence (man-made)	WALL	50
River Tame	U/S OF THE RAILWAY BRIDGES, UNDER THE M6	Local Authority	Raised defence (man-made)	WALL	50
River Tame	AT CONFLUENCE WITH RIVER REA/TAME	Environment Agency	Raised defence (man-made)	BRICK WALL D/S SP10828967 U/S SP10678960.	50
River Tame	AT CONFLUENCE WITH RIVER TAME\REA	Environment Agency	Raised defence (man-made)	MASONRY WALL SP10868967 SP10668958.	50
River Tame	U/S RIVER REA CONFLUENCE	Environment Agency	Raised defence (man-made)	SHEET PILE WALL	50
River Tame	200M U/S OF WALKER DRIVE BRIDGE	Environment Agency	Raised defence (man-made)	SHEET PILING D/S SP10078979 U/S SP10068980.	50
River Tame	BIRMINGHAM AND FRAZELY CANAL TO GRAND UN	Environment Agency	Raised defence (man-made)	BRICK WALL OF DEMOLISHED BUILDING FORMING CHANNEL D/S 09679002. U/S 09569004.	50
River Tame	U/S OF ELECTRIC AVENUE BRIDGE	Environment Agency	Raised defence (man-made)	SHEET PILE CHANNEL SIDE WITH EMBANKMENT	50
River Tame	U/S OF WITTON BRIDGE FOR ABOUT 500M DS SP08099067 US SP08249108	Environment Agency	Raised defence (man-made)	BROOKVALE ROAD WALL Effective Crest Level 93.02	50
River Tame	OPPOSITE PERRYWELL RD WITH M6 INBETWEEN DS GR SP07749195 - US GR SP07679199	Environment Agency	Raised defence (man-made)	MOTORWAY WALL	50

Watercourse	Asset Location	Maintainer	Asset Type	Asset Description	Design SOP (years)
River Tame	OPPOSITE TAMEBRIDGE INDUSTRIAL ESTATE DS GR SP07259195 - US GR SP07169195 Effective CL 98.02	Environment Agency	Raised defence (man-made)	GARAGE WALL	50
River Tame	NEXT TO WORKS BY WALSALL ROAD Effective CL 96.83 DS GR SP06919170 - US GR SP06899133	Environment Agency	Raised defence (man-made)	TRUCKERS FLOODWALL & PERRY BARR CHANNEL	50
River Tame	NEAR WORKS NEXT TO WALSALL ROAD DS GR SP06919171 - DS GR SP06909155	Environment Agency	Raised defence (man-made)	NASH SQUARE EMBANKMENT	50
River Tame	ALONGSIDE REGINA DRIVE - effective CL 97.21 DS GR SP06829129 - US GR SP06409128	Environment Agency	Raised defence (man-made)	REGINA DRIVE EMBANKMENT	50
River Tame	PERRY HALL PLAYING FIELDS, OPPOSITE CRANDS GR SP06359140 - US GR SP06029190	Environment Agency	Raised defence (man-made)	PERRY PARK FLUME	50
River Tame	UNDER RAILWAY BRIDGE - Effective CI 99.41 DS GR SP05399197 - DS GR SP05389197.	Environment Agency	Raised defence (man-made)	RETAINING WALL & CHANNEL SIDE FORMED BY BRIDGE	50
River Tame	50M U/S OF RAILWAY BRIDGE NEAR PERRY HALL DS GR SP05349198 - DS GR SP05339199	Environment Agency	Raised defence (man-made)	AUSTIN WAY WALL	50
River Tame	BEHIND GREENWAY U/S OF FOOTBRIDGE effective CL 99.18 DS GR SP04849257 - US GR SP04549274	Environment Agency	Raised defence (man-made)	GREENWAY FLOODBANK	50
River Tame	EMBANKMENT SETBACK CLOSE TO RAILWAY LINEDS GR SP043792658 - DS GR SP04219258	Environment Agency	Raised defence (man-made)	SET BACK EMBANKMENT	50
River Tame	BETWEEN RIVER AND RAILWAY - HANDSWORTH	Environment Agency	Raised defence (man-made)	REGRADED EMBANKMENT TO RAILWAY	50

Watercourse	Asset Location	Maintainer	Asset Type	Asset Description	Design SOP (years)
River Tame	OPP HANDSWORTH AND HILLTOP GOLF COURSEDS GR SP03529257 - US GR SP02959257	Environment Agency	Raised defence (man-made)	SANDWELL VALLEY EMBANKMENT	50
River Tame	BEGINNING OF SANDWELL COUNTRY PARKDS GR SP2959257 - US GR SP02949262	Environment Agency	Raised defence (man-made)	WALL D/S OF WEIR	50
River Tame	WOODEND, HANDSWORTH GC & HILLTOP GCDS GR SP04379268 - US GR SP03119242	Environment Agency	Raised defence (man-made)	WOODEND EMBANKMNET	50
River Tame	D/S PART OF HILLTOP GOLF COURSEEffective CL 103.18DS GR SP03119242 - US GR SP02949257	Environment Agency	Raised defence (man-made)	EARTH EMBANKMENT	50
River Tame	NEAR U/S OF SANDWELL COUNTRY PARK	Environment Agency	Raised defence (man-made)	WALL	50
River Tame	U/S OF SANDWELL PARK FLUME DS GR SP02949262 - US GR SP02949265	Environment Agency	Raised defence (man-made)	SANDWELL VALLEY FLUME	50
River Tame	FROM END OF SPILLWAY - RAILWAY LINE Effective CL 103.92 DS GR SP02939275 - US GR SP03019313	Environment Agency	Raised defence (man-made)	SANDWELL VALLEY EMBANKMENT	50
River Tame	U/S OF SANDWELL COUNTRY PARK FLUME	Environment Agency	Raised defence (man-made)	SANDWELL VALLEY FLUME	50
River Tame	200M U/S OF SANDWELL COUNTRY PARK FLUME Effective CL 103.7. DS GR SP02939271 - US GR SP02929288.	Environment Agency	Raised defence (man-made)	FORGE MILL EMBANKMENT	50
River Cole	U/S Hogmoor Road		Raised defence (man-made)	Regraded banks	n/a
River Cole	Hobmoor Road		Raised defence (man-made)	Regraded channel.	n/a
River Rea	U/S of Montague Street.		Raised defence (man-made)	Wall.	n/a
River Rea	U/S Balsall Heath Road.	Local Authority	Raised defence (man-made)	Wall	n/a

Watercourse	Asset Location	Maintainer	Asset Type	Asset Description	Design SOP (years)
River Rea	U/S of First Avenue.	Local Authority	Raised defence (man-made)	Embankment.	n/a
River Rea	D/S of Hazelwell Road.		Raised defence (man-made)	Natural banks.	n/a
River Rea	U/S of Fordhouse Lane.		Raised defence (man-made)	Embankment.	n/a
Hawthorn Brook	Brookvale Park	Local Authority	Raised defence (man-made)	Regraded	n/a
The Bourn	U/S Canal	Environment Agency	Raised defence (man-made)	Wall	n/a
The Bourn	U/S Canal	Environment Agency	Raised defence (man-made)	Wall	n/a
The Bourn	U/S Canal	Environment Agency	Raised defence (man-made)	Wall	n/a
The Bourn	U/S Canal	Environment Agency	Raised defence (man-made)	Wall	n/a
River Tame	NEAR M42 OPPOSITE MARSH LANE	Environment Agency	Raised defence (man-made)	OLD MARSH LANE EMBANKMENT	100
River Tame	BY BRIDGE WATER ORTON LN/MINWORTH RD	Environment Agency	Raised defence (man-made)	MASONRY WALL	100
River Tame	OPP MARSH LANE BY POND	Environment Agency	Raised defence (man-made)	MARSH LANE EMBANKMENT	100
River Tame	D/S OF ACCESS BRIDGE, 30M U/S WATER OR BR	Environment Agency	Raised defence (man-made)	EARTH EMBANKMENT	100
River Tame	D/S OF RAILWAY BRIDGE AT END OF SUB REAC	Environment Agency	Raised defence (man-made)	EARTH BANK	100
River Tame	WATER ORTON BR U/S FLOOD RELIEF CHANNEL	Environment Agency	Raised defence (man-made)	CONCRETE WALL	100
River Tame	WATER ORTON BR U/S FLOOD RELIEF CHANNEL	Environment Agency	Raised defence (man-made)	EARTH BANK	100
River Tame	50M D/S OF THE END OF THE SUB REACH	Environment Agency	Raised defence (man-made)	SHEET PILING	50
River Tame	OPPOSITE REFUSE DISPOSAL WORKS, AT END T	Environment Agency	Raised defence (man-made)	EARTH EMBANKMENT	100

Watercourse	Asset Location	Maintainer	Asset Type	Asset Description	Design SOP (years)
River Tame	CHESTER RD BR TO M'WAY MAINT ACCESS BR	Environment Agency	Raised defence (man-made)	MASONRY WALL DEFENCE	50
River Tame	CHESTER RD BR TO M'WAY MAINT ACCESS BR DS GR SP13899016 - US GR SP13209015	Environment Agency	Raised defence (man-made)	MASONRY WALL	50
River Tame	FROM THE M6 TO THE PIPE CROSSING	Environment Agency	Raised defence (man-made)	MASONRY WALL	50
River Tame	FROM PIPE CROSSING TO 30M D/S OF BROMFORD	Environment Agency	Raised defence (man-made)	EARTH EMBANKMENT TO FACTORIES D/S SP 11918977 U/S SP11678949.	50

Table G.1 – Formal Defences in Birmingham

Appendix H – Flood Warning




Warning Level	Advice
 <p>FLOOD ALERT</p>	<p>This means “Flooding is possible. Be prepared”. Flood Alerts are issued for broad locations / catchment areas that are at risk of flooding.</p> <p>It will indicate that flooding is possible and that people should make some low impact preparations (e.g. move small valuable items upstairs, check travel plans) and remain vigilant.</p>
 <p>FLOOD WARNING</p>	<p>This means that “Flooding is expected. Immediate action required” Flood Warnings are mainly targeted at specific communities that are at risk from flooding. Some Flood Warnings may apply to stretches of coast and river.</p> <p>It will indicate that flooding is expected and that people should take more direct impact actions e.g. move belongings upstairs.</p>
 <p>SEVERE FLOOD WARNING</p>	<p>This means “Severe Flooding. Danger to life”. All customers who receive a Flood Warning will receive a Severe Flood Warning if conditions are met.</p> <p>It will be used in extreme circumstances to tell people that flooding is posing significant risk to life or significant disruption to communities which could also cause risk to life. Depending on the circumstances it would indicate that people should evacuate the area or take shelter within safe buildings.</p>
<p>Warning No Longer In Force</p>	<p>Message issued to tell people that the flood threat has passed and includes useful advice on what to do next. .</p>

Table H.1 – Flood Warning Stages

Target Area Code	Target Area Name	River Reach
WAF303	Upper Tame	Black Country to Water Orton
WAF304	Middle Tame	Water Orton to Hopwas
WAF301	Rea and Cole	Rea and Cole

Table H.2 – Flood Alert Areas covering Birmingham

Target Area Name	Number of Properties
River Rea at Longbridge	190
River Rea at Northfield	125
River Rea at Kings Norton	37
River Rea at Lifford	63
River Rea at Breedon Cross	67
River Rea at Stirchley	315
River Rea at Edgbaston	85
River Cole at Nethercote Gardens, Solihull Lodge	114
River Cole at Billesley	79
River Cole at Sarehole, Hall Green	49
River Cole at Formans Road, Sparkhill	288
River Cole at Greet	72
River Cole at Hay Mills	170
River Cole at Bordesley Green East	35
River Cole at Stechford	178
River Cole at Colehall Lane	87
River Tame at Hamstead	293
River Tame at Perry Barr	587
River Tame at Witton and Salford Park	780
River Tame at Gravelly Hill	1270
River Tame at Castle Bromwich	1637
River Tame at Water Orton	70

Table H.3 – Community Based Flood Warning Areas within Birmingham

Appendix I – Land Management

1. Land Management Research Projects

1.1 Defra/EA R&D Project FD2114/TR – Review of Impacts of rural land use and management¹

In this comprehensive scientific review that was born from the realisation that such changes could have heightened recent large flood events in the UK and Europe, while complex, good evidence was found that ‘modern’ farm management practices had increased local surface runoff. However, due to a very limited evidence base, it was not able to determine whether these local changes were transferred to the arterial drainage network and propagated downstream to the larger catchment scale. This was not say that changes to land use and land management are not suitable in reducing flood risk, as certainly mitigation measures such as grass buffers would delay local runoff, but rather that the study was not able to determine whether such measures would have a downstream impact. It highlighted that to be effective, an integrated approach would be needed in applying these measures and moreover, that there is considerable uncertainty about how effectively land managers would respond to the promotion or policies relating to flood risk mitigation.

1.2 EA MSfW – HA6: Catchment scale land-use management and HA7: Land management practices²

Building on from the Defra/EA R&D project¹ (FD2114) the EA have undertaken two further investigations into land use and land management as part of the MSfW programme (holistic approach theme). Examining a range of topics, the research identifies that

“Results from the limited catchment-scale modelling studies that have been undertaken indicates that changing land management practices does not provide significant benefits in terms of reducing the peak flows of extreme floods. However, land management may offer the potential to improve flood warning times and therefore reduce flood damages. It is possible that changes in land management may also offer potential to mitigate an increased risk of future flooding caused by climate change.”

“Given that scientific understanding linking land management to catchment-scale flood risk is only in its infancy, new land management policies which have flood risk as the main beneficiary alone cannot be justified. Attention can be focussed however, on modifying existing policies, and improving integration between policies, to potentially deliver flood risk benefits while delivering other multiple objectives. This approach is supported by major legislative drivers (e.g. Water Framework Directive and Floods Directive) and risks of climate change, which will together generate more opportunities for funding multiobjective land management.”

¹ Defra/EA (2004) – Review of impacts of rural land use and management on flood generation, R&D Technical Report FD2114/TR

² EA (2008) – Delivery of Making Space for Water – HA6: Catchment Scale Land-Use Management and HA7: Land Management Practices

“Although flood risk management is currently not a primary driver of land management changes, many changes that are being promoted may have flood risk management benefits. However, changes are currently not widespread, not necessarily focussed in catchments which may deliver the greatest flood risk management benefits, and not guaranteed to be longstanding.

Some of the above concerns can be addressed by ensuring that reasonable adjustments are made to existing agri-environment and woodland schemes, to ensure they support potential flood risk management benefits providing that the objectives of each scheme are not compromised.”

1.3 The Impact of upland land management on flooding: insights from a multiscale experimental and modelling programme³

Recently, a paper published in the Journal of Flood Risk Management has through the development of a multi-dimensional physically based model reported that the careful planting of a small strip of trees has reduced flood peaks by 40% for the highest intensity flows. Conflicting with what the previous research project reported (refer to 1.2), it highlights the complexities involved and how infant this area of research is. However, what this piece of research does highlight is that rural upland management could be an effective flood mitigation measure for BCC to investigate with its upland LA neighbours.

³ Posthumus, H. *et al.*, (2009) – Impacts of the summer 2007 floods on agriculture in England, *Journal of Flood Risk Management*, 2, pp 182-189

Appendix J – Sequential Test Guidance

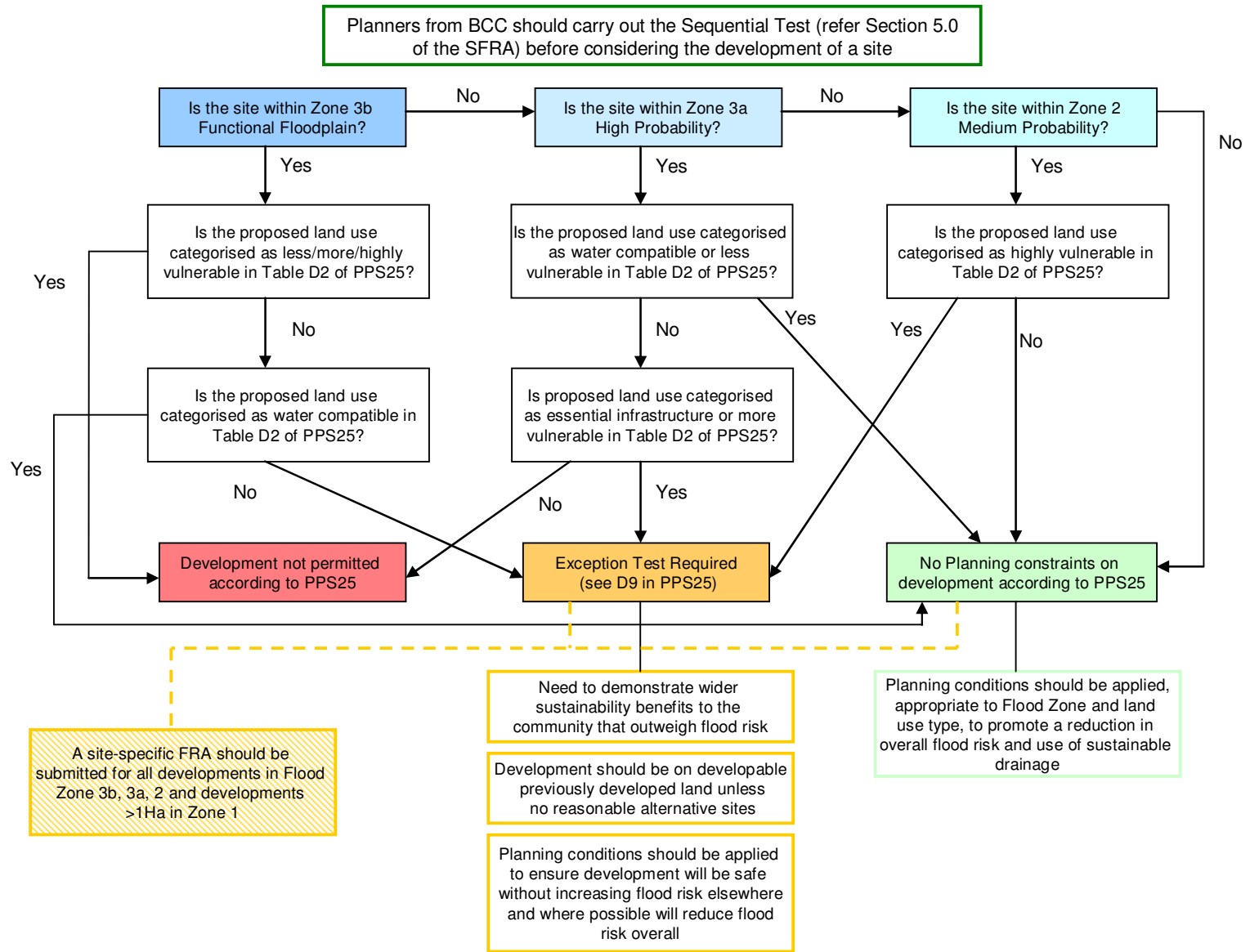


Table J.1 – Guidance for Planners on the Use of the Sequential and Exception Tests

Unless development is proposed on an allocated site that has been included in the SFRA then the Developer should carry out the Sequential Test (refer Section 5.0 of the SFRA) before considering the development of a site

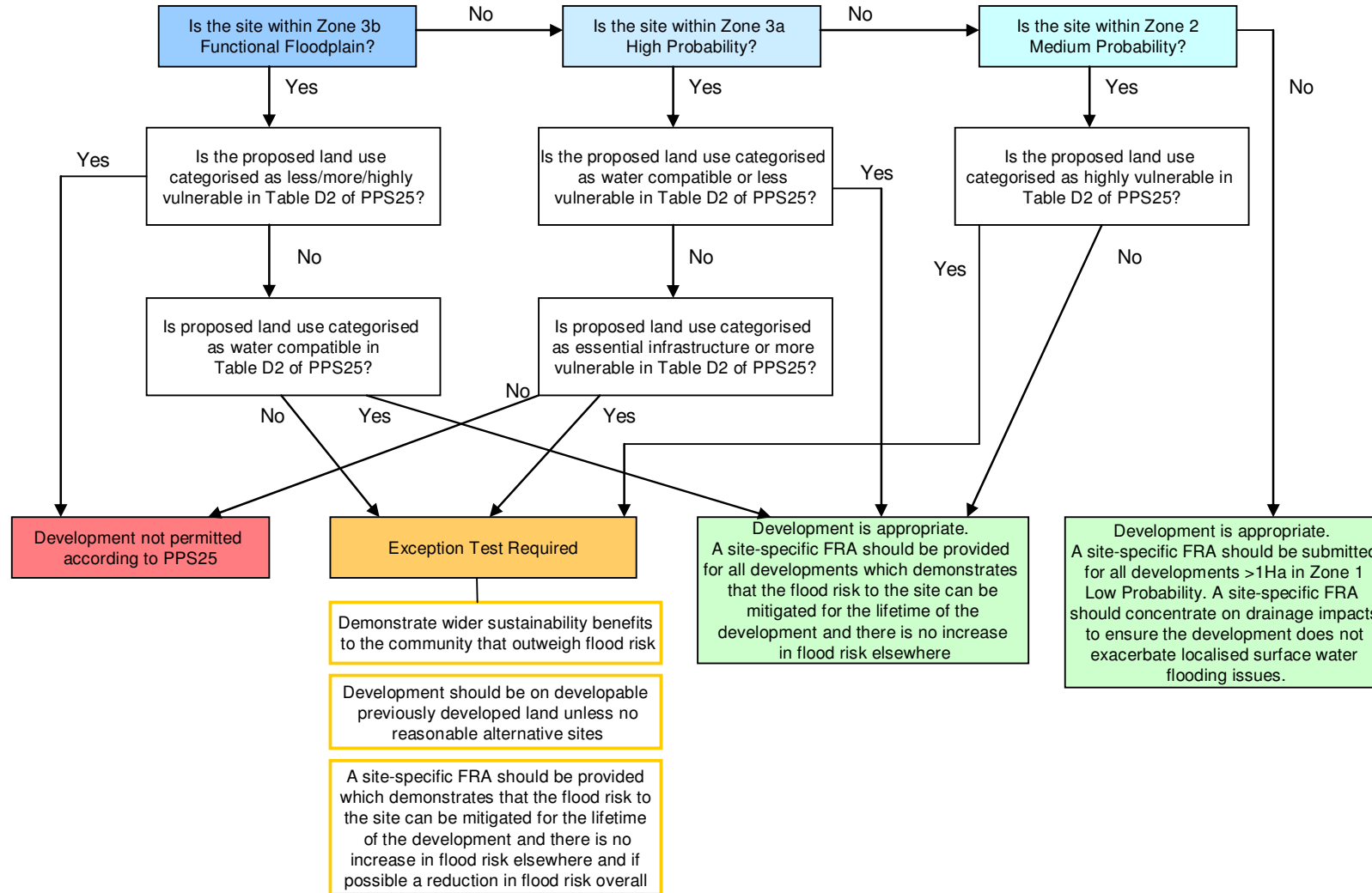


Table J.2 – Guidance for Developers on the Use of the Sequential and Exception Tests

Appendix K – Flood Risk Tables

Site Reference	Address	Constituency	Major Catchment	Sources of Flooding														Flood risk Management Measures				Over/ha	FRA Required
				Historic Flooding within 250m or 500m						Predicted Flooding								Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences	Maintained Channel		
				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water										
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m						
CC1	Ledsam Street	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	yes	Yes
CC10	Barr Street 154-156	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC101	Jcn of Bristol St / Belgrave Middleway / Sherlock St	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	part	part	no	Very High	no	500m	250m	yes	Yes
CC102	Adj Magnolia House, Highgate St	Ladywood	River Rea	no	no	no	no	no	no	no	part	part	part	no	part	no	N/A	no	250m	100m	no	Yes	
CC103	Emily St / Dymoke St / Darwin St, Highgate	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	500m	500m	yes	Yes	
CC104	Fmr Fire Station, Aston St	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	Very Low	no	no	no	no	Yes	
CC106	Btw Fazeley St / River Rea / Canal	Ladywood	River Rea	no	no	no	no	no	no	no	part	part	part	part	part	part	no	Very High	part	100m	100m	yes	Yes
CC107	Jcn of Fazeley St / Pickford St	Ladywood	River Rea	no	no	no	no	no	no	no	part	part	part	part	part	part	Very High	part	250m	250m	yes	Yes	
CC108	Jcn of New Canal St / Fazeley St	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	part	High	no	500m	250m	no	Yes	
CC11	Conybere Street 142 148	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	500m	no	No	
CC110	Btw Barford S / Rea St South / Moseley St	Ladywood	River Rea	no	no	no	no	no	no	no	yes	yes	yes	part	part	part	no	Very High	yes	no	100m	no	Yes
CC111	Btw Sherlock St / Hurst St / Bishop St	Ladywood	River Rea	no	no	no	no	no	no	no	part	part	part	part	part	part	Very High	no	no	250m	no	Yes	
CC112	Btw Sherlock St / Bishop St / Barford St	Ladywood	River Rea	no	no	no	no	no	no	no	part	yes	yes	part	part	part	Very High	part	no	250m	no	Yes	
CC113	Rea St South	Ladywood	River Rea	no	no	no	no	no	no	part	yes	part	yes	part	part	part	Very High	yes	no	100m	no	Yes	
CC116	Jcn of Essex St / Bristol St	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC118	4 AND 5, MARY STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC119	35 TO 38, SUMMER HILL ROAD	Ladywood	River Tame	no	no	500m	no	500m	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC12	St Lukes Site F	Ladywood	River Rea	no	no	no	no	no	no	part	part	part	part	part	part	part	Very High	part	250m	100m	no	Yes	
CC123	36, TENBY STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC125	CENTRAL HALL, CORPORATION STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC126	5, POWELL STREET	Ladywood	River Tame	no	no	500m	no	500m	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC127	SITE OF BLAKEMERE HOUSE AND LAND AT, MORVILLE STREET	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	part	Very Low	no	no	no	no	Yes	
CC128	30 TO 33, SHERBORNE STREET	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	part	no	Very Low	no	no	no	no	Yes
CC129	OLD UNION MILL, GROSVENOR STREET WEST	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	part	no	Very Low	no	no	no	no	Yes
CC13	Cuuld Close 41	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	Very Low	no	no	no	no	Yes	
CC130	FORMER COUNCIL DEPOT, SHERBORNE STREET	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC131	LAND CORNER OF, SHEEPCOTE STREET AND BROAD STREET	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC132	LAND CORNER OF, CARVER STREET AND WARSTONE LANE	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	part	part	part	Very Low	no	no	no	no	Yes	
CC133	41 AND 42, TENBY STREET NORTH	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC134	THE BIRMINGHAM MINT, ICKNIELD STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	part	part	part	no	Very Low	no	no	no	yes	Yes
CC135	LAND BOUNDED BY, POPE STREET AND MORETON STREET AND CARVER STREET	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	Very Low	no	no	no	no	Yes	
CC136	47 TO 50, TENBY STREET NORTH	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC137	92 TO 95, CARVER STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC138	86 AND 87, CARVER STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	no	Very Low	no	no	no	no	Yes	
CC139	LAND FRONTING, CARVER STREET AND POPE STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	no	Very Low	no	no	no	no	Yes	
CC140	LAND FRONTING, CARVER STREET AND POPE STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC141	LAND ADJACENT BIRMINGHAM MINT, PEMBERTON STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC142	FORMER SANDPITS INDUSTRIAL ESTATE, SUMMER HILL STREET	Ladywood	River Tame	no	no	500m	no	500m	no	no	no	no	no	part	part	part	Very Low	no	no	no	no	Yes	
CC143	121 TO 137, CAMDEN STREET	Ladywood	River Tame	no	no	500m	no	500m	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC144	12 AND 12A, LEGGE LANE	Ladywood	River Tame	no	no	500m	no	500m	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC145	37 TO 55, CAMDEN STREET	Ladywood	River Tame	no	no	250m	no	250m	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
CC146	16 TO 26, HYLTON STREET	Ladywood	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
CC147	LAND AT, GREAT COLMORE STREET AND GRANT STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC148	LAND BOUNDED BY, LEE BANK MIDDLEWAY AND BELL BARN ROAD AND SPRING STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	Very Low	no	no	no	yes	Yes	
CC149	LAND BOUNDED BY, LEE BANK MIDDLEWAY AND BELL BARN ROAD AND SPRING STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	Very Low	no	no	no	no	Yes	
CC15	Land bounded by Barr St / Smith St / Well St / Hockley St	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	part	part	part	no	Very Low	no	no	no	no	Yes
CC150	LAND BOUNDED BY, LEE BANK MIDDLEWAY AND SPRING STREET AND BRISTOL STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	part	part	no	Very Low	no	no	no	yes	Yes
CC151	LAND CORNER OF, SUFFOLK STREET QUEENSWAY AND HOLLIDAY STREET	Ladywood	River Rea	no	no	250m	no	500m	no	no	no	no	no	part	no	no	Very Low	no	no	no	no	Yes	

Site Reference	Address	Constituency	Major Catchment	Sources of Flooding														Flood risk Management Measures			Over the	FRA Required		
				Historic Flooding within 250m or 500m						Predicted Flooding								Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences			Maintained Channel	
				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water											
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m							0.1 - 0.3m
CC152	LAND FRONTING, HOLLIDAY STREET	Ladywood	River Rea	no	no	250m	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
CC153	LAND CORNER OF, HOLLIDAY STREET AND BRIDGE STREET	Ladywood	River Rea	no	no	250m	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
CC154	LAND BOUNDED BY, STEPHENSON STREET AND HILL STREET	Ladywood	River Rea	no	no	500m	no	no	no	no	no	no	no	part	part	part	part	no	Very Low	no	no	no	no	Yes
CC155	212 TO 223, BROAD STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC156	25 TO 45, COMMERCIAL STREET	Ladywood	River Rea	no	no	250m	no	no	no	no	no	no	no	part	no	no	no	no	Very Low	no	no	no	no	Yes
CC157	LAND CORNER OF, GRANVILLE STREET AND HOLLIDAY STREET	Ladywood	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC158	LAND CORNER OF, RIDLEY STREET AND WASHINGTON STREET	Ladywood	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC159	LAND FRONTING AND ADJACENT TO 20, EXETER STREET	Ladywood	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC16	Jcn of Well St / Barr St	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	no	Very Low	no	no	no	no	Yes
CC160	ADJACENT TO 126, SUFFOLK STREET QUEENSWAY	Ladywood	River Rea	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
CC161	LAND CORNER, EXETER PASSAGE AND WINDMILL STREET	Ladywood	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC162	LAND BETWEEN, FLORENCE STREET AND ERNEST STREET	Ladywood	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC163	LAND FRONTING, ERNEST STREET AND FLORENCE STREET	Ladywood	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC164	SITE OF 83 TO 92, BROMSGROVE STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC165	79 TO 83, HOLLOWAY HEAD	Ladywood	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC166	66 TO 68, SEVERN STREET	Ladywood	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
CC167	43 TO 49, NORTHWOOD STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC168	50 TO 60, NORTHWOOD STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	part	no	no	no	no	no	Very Low	no	no	no	no	Yes
CC169	5 TO 8, CAROLINE STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC17	Jcn of Hockley St & Great Hampton St	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC170	14 TO 16, REGENT PARADE	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC171	35, VYSE STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC172	FORMER BONDS NIGHTCLUB, HAMPTON STREET	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC173	SITE OF 11 TO 15, SUMMER LANE	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC174	86, OLD SNOW HILL	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	part	part	part	part	no	no	Very Low	no	no	no	no	Yes
CC175	LAND CORNER OF, EDWARD STREET AND HELENA STREET AND SCOTLAND STREET	Ladywood	River Tame	no	no	250m	no	250m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
CC176	SITE OF CONVENTION SERVICE STATION, THE PARADE	Ladywood	River Tame	no	no	250m	no	250m	no	no	no	no	part	part	no	no	no	no	Very Low	no	no	no	no	Yes
CC177	3 TO 5, LEGGE LANE	Ladywood	River Tame	no	no	250m	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
CC178	LAND CORNER OF, NEWHALL STREET AND CHARLOTTE STREET	Ladywood	River Tame	no	no	250m	no	500m	no	no	no	no	no	part	no	no	no	no	Very Low	no	no	no	no	Yes
CC179	29, LEGGE LANE	Ladywood	River Tame	no	no	250m	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
CC18	Land bounded by Barr St / Smith St / Hockley St / Harford St	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC180	23 TO 26, GEORGE STREET	Ladywood	River Tame	no	no	250m	no	500m	no	no	no	no	no	part	no	no	no	no	Very Low	no	no	no	no	Yes
CC181	109 TO 138, NORTHWOOD STREET	Ladywood	River Tame	no	no	250m	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	yes	Yes
CC182	100, CHARLOTTE STREET	Ladywood	River Tame	no	no	250m	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
CC183	32 TO 36, ALBION STREET	Ladywood	River Tame	no	no	500m	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC184	LAND ADJACENT 5, SCOTLAND STREET	Ladywood	River Tame	no	no	500m	no	250m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
CC185	LAND BOUNDED BY, GREAT CHARLES STREET AND LUDGATE HILL AND LIVERY STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	part	part	part	part	no	no	Very Low	no	no	no	no	Yes
CC186	SNOW HILL SITE, SNOW HILL QUEENSWAY AND ST CHADS CIRCUS	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	part	part	part	no	no	no	Very Low	no	no	no	no	Yes
CC187	1 AND 2, MARY ANN STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	part	part	part	no	no	Very Low	no	no	no	no	Yes
CC188	REAR OF 6 TO 16, SMITH STREET	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC189	66 AND 67, GREAT HAMPTON STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC19	Land bounded by Harford St / Great Hampton Row / Barr St	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC190	LAND BOUNDED BY, WRENTHAM STREET AND KENT STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	500m	no	No
CC191	SITE OF BARFORD HOUSE, LAWFORDE GROVE, GOOCH STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	part	no	no	no	no	no	no	Very High	no	500m	100m	no	Yes
CC192	SITE OF DUNCHURCH HOUSE, SPOONER CROFT, SHERLOCK STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	part	no	no	no	no	no	Very High	no	500m	250m	no	Yes
CC193	113, MOSELEY STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	part	no	no	no	no	no	N/A	no	no	500m	no	Yes
CC194	150 TO 159, MOSELEY STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	500m	no	No
CC195	FORMER WESTMINSTER WORKS, ALCESTER STREET AND CHEAPSIDE	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	500m	no	No

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				Historic Flooding within 250m or 500m						Predicted Flooding								Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences	Maintained Channel		
				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water										
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m						
CC196	SITE OF PRINCETHORPE TOWER, CONYBERE STREET	Ladywood	River Rea	no	no	no	no	no	no	part	part	part	yes	part	part	no	no	Very High	part	250m	100m	no	Yes
CC197	28 TO 58, BERRINGTON WALK	Ladywood	River Rea	no	no	no	no	no	no	no	part	part	yes	no	no	no	no	Very High	no	250m	100m	no	Yes
CC198	10, ST. LUKES ROAD	Ladywood	River Rea	no	no	no	no	no	no	no	no	part	yes	no	no	no	no	Very High	no	500m	250m	no	Yes
CC199	BARROW WALK, ST.LUKES ROAD	Ladywood	River Rea	no	no	no	no	no	no	no	part	part	yes	no	no	no	no	Very High	no	500m	250m	no	Yes
CC2	83 TO 97, CAMDEN STREET	Ladywood	River Tame	no	no	500m	no	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC20	Land bounded by Buckingham St / Mott St /Great Hampton Row / Howard Row	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	part	no	Very Low	no	no	no	no	Yes
CC200	BERRINGTON WALK, ST. LUKES ROAD	Ladywood	River Rea	no	no	no	no	no	no	no	yes	yes	yes	part	part	part	no	Very High	part	250m	100m	no	Yes
CC201	LAND BETWEEN, FREEMAN STREET AND ALBERT STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC202	123 TO 143; 3-5 PARK STREET, 81-93 ALLISON STREET, DIGBETH	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	500m	no	No
CC203	TYPHOO WHARF, BORDLESLEY STREET	Ladywood	River Rea	no	no	no	no	no	no	no	part	part	part	part	part	part	no	Very High	no	250m	250m	yes	Yes
CC204	130 TO 134, BROMSGROVE STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	500m	no	Yes
CC205	139 TO 141, BROMSGROVE STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	500m	no	No
CC206	FORMER SILVER BLADES ICE RINK, PERSHORE STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	500m	no	Yes
CC207	LAND BOUNDED BY, BRADFORD STREET AND BIRCHALL STREET AND GREEN STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	part	part	no	no	no	no	Very High	no	500m	250m	no	Yes
CC208	LAND CORNER OF, BRADFORD STREET AND REA STREET	Ladywood	River Rea	no	no	no	no	no	no	no	yes	part	yes	part	part	part	no	Very High	yes	500m	100m	no	Yes
CC209	LAND FRONTING, BRADFORD STREET	Ladywood	River Rea	no	no	no	no	no	no	no	yes	part	yes	part	part	part	no	Very High	part	500m	100m	no	Yes
CC21	Land bounded by Grat Hampton St / Harford St / Barr St / Grat Hampton Row	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC210	LAND CORNER OF, HIGH STREET DERITEND AND STONE YARD	Ladywood	River Rea	no	no	no	no	no	no	no	part	part	yes	part	part	part	no	Very High	yes	500m	100m	no	Yes
CC211	LAND CORNER OF, CHAPEL HOUSE STREET AND BRADFORD STREET	Ladywood	River Rea	no	no	no	no	no	no	no	yes	yes	yes	part	no	part	no	Very High	part	500m	100m	no	Yes
CC212	LAND CORNER OF, HIGH STREET DERITEND AND CHAPEL HOUSE STREET	Ladywood	River Rea	no	no	no	no	no	no	no	yes	yes	yes	part	part	part	no	Very High	part	500m	100m	no	Yes
CC213	LAND BOUNDED BY, BRADFORD STREET AND LOMBARD STREET AND CHEAPSIDE	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	250m	no	No
CC214	LAND BOUNDED BY, BRADFORD STREET AND BIRCHALL STREET AND CHEAPSIDE	Ladywood	River Rea	no	no	no	no	no	no	no	yes	part	yes	part	part	part	no	Very High	part	500m	100m	no	Yes
CC215	FORMER HARRISON DRAPE BUILDING, BRADFORD STREET	Ladywood	River Rea	no	no	no	no	no	no	no	part	part	part	part	no	part	no	Very High	no	500m	250m	no	Yes
CC216	BULL RING TRADING ESTATE, HIGH STREET DERITEND	Ladywood	River Rea	no	no	no	no	500m	no	no	part	part	part	part	part	part	no	Very High	part	250m	100m	yes	Yes
CC217	LAND CORNER OF, BRADFORD STREET AND ALCESTER STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	250m	no	No
CC218	46 TO 48, BRADFORD STREET	Ladywood	River Rea	no	no	no	no	no	no	no	yes	yes	yes	part	part	part	no	Very High	yes	500m	100m	no	Yes
CC219	MARTINEAU GALLERIES, BETWEEN PRIORY QUEENSWAY AND MOOR STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	yes	Yes
CC22	Land bounded by Great Hampton St / Barr St / Hockley St / Harford St	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	yes	Yes
CC220	LAND BOUNDED BY, PRIORY QUEENSWAY AND CHAPEL STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	part	part	part	Very Low	no	no	no	yes	Yes
CC221	LAND FRONTING, ALBERT STREET AND SEYMOUR STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC222	SITE OF PARCELFORCE, CURZON STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	part	part	part	Very High	no	250m	250m	yes	Yes
CC223	LAND BOUNDED BY MOSELEY STREET, MOSELEY ROAD AND CHEAPSIDE	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	500m	no	Yes
CC224	LAND FRONTING, CHEAPSIDE AND MOSELEY STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	part	no	N/A	no	no	500m	no	Yes
CC225	11 TO 19, MOSELEY ROAD	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
CC226	98 AND 102 AND 106, MOSELEY ROAD	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
CC227	ADJACENT RIVER REA AND, MONTAGUE STREET	Ladywood	River Rea	no	no	no	no	500m	no	no	no	no	part	part	part	part	no	Very High	part	100m	100m	yes	Yes
CC228	230, BRADFORD STREET	Ladywood	River Rea	no	no	no	no	500m	no	no	no	no	no	no	no	no	no	N/A	no	500m	500m	no	No
CC229	LAND CORNER OF, WARNER STREET AND WARWICK STREET	Ladywood	River Rea	no	no	no	no	500m	no	no	no	no	no	part	no	no	no	N/A	no	no	500m	no	Yes
CC23	Jnc of Barr St & Hockley St	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	part	part	no	Very Low	no	no	no	no	Yes
CC230	LAND ADJACENT 83, WARWICK STREET	Ladywood	River Rea	no	no	no	no	500m	no	no	no	no	no	no	no	no	no	N/A	no	500m	500m	no	No
CC231	215, BRADFORD STREET	Ladywood	River Rea	no	no	no	no	500m	no	no	no	no	no	no	no	no	no	N/A	no	500m	500m	no	No
CC232	CURZON GATEWAY, CURZON STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	part	part	part	Very High	no	250m	250m	yes	Yes
CC233	LAND CORNER OF, LAWLEY STREET MIDDLEWAY AND JENNENS ROAD	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	500m	500m	no	Yes
CC234	LAND FRONTING, LAWLEY MIDDLEWAY	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	part	part	no	Very Low	no	500m	500m	no	Yes
CC235	LAND CORNER OF, GOPSAL STREET AND PENN STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	500m	no	No
CC236	LAND CORNER OF, PITT STREET AND LAWLEY MIDDLEWAY	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	500m	no	No
CC237	LAND CORNER OF, LAWLEY MIDDLEWAY AND CURZON STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	250m	250m	no	No
CC238	36, KEY HILL DRIVE	Ladywood	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes

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				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water											
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m							0.1 - 0.3m
CC239	119 TO 123, BRANSTON STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC24	Electricity Board land, Summer Row	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	part	no	no	Very Low	no	no	no	no	Yes
CC240	27, TENBY STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC241	30,32 & 34, VITTORIA STREET	Ladywood	River Tame	no	no	250m	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
CC242	111-112, DIGBETH	Ladywood	River Rea	no	no	no	no	no	no	no	no	part	part	part	no	no	no	N/A	no	500m	250m	no	Yes	
CC243	39, WARSTONE LANE	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC244	73 TO 77, SPENCER STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	part	part	no	no	Very Low	no	no	no	no	Yes	
CC245	27 AND 28, PEMBERTON STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC246	6 TO 7, LEGGE LANE	Ladywood	River Tame	no	no	250m	no	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
CC247	18 AND 19, CAROLINE STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC248	8 TO 10, TENBY STREET NORTH	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC249	2 TO 18, VITTORIA STREET	Ladywood	River Tame	no	no	250m	no	500m	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
CC25	Land bounded by Constitution Hill / Henrieta St / Hampton St	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC250	32, FREDERICK STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC251	13 TO 15, CAROLINE STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC252	57 TO 59, TENBY STREET NORTH	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC253	14 AND 15, FREDERICK STREET	Ladywood	River Tame	no	no	250m	no	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
CC254	64 AND 66, BRANSTON STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	part	part	part	no	no	Very Low	no	no	no	no	Yes	
CC255	35 TO 37, CARRS LANE	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC256	44, BRADFORD STREET	Ladywood	River Rea	no	no	no	no	no	no	no	yes	yes	yes	part	part	part	part	Very High	yes	500m	100m	no	Yes	
CC257	234 TO 236, BRADFORD STREET	Ladywood	River Rea	no	no	no	no	500m	no	no	no	no	no	no	no	no	no	N/A	no	500m	500m	no	No	
CC258	5 to 10 Bishopsgate Street	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC259	Hanley Street & Lower Loveday Street	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
CC26	Land bounded by Hospital St / Summer La / Henrietta St / Hampton St	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC260	Globe Works	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	no	Yes	
CC261	Bagot Street & Lancaster Street City	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	no	Yes	
CC262	Lench St/Vesey St/Lancaster St	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC27	1-3 Bond St	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC28	27-51 Constitution Hill	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC29	Land bounded by Henrietta St / Buckingham Rd / Hampton St / Hospital St	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	yes	Yes	
CC30	Land bounded by Hampton St / Motts St / Buckingham St	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	no	no	no	Yes	
CC31	Land bounded by Motts St / Howard St / Hampton St / Constitution Hill	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
CC32	Land btw Great Hampton St / Mott St / Howard St / Constitution Hill	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	yes	Yes	
CC33	Rear of 70 -80 Unett St	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
CC34	Lower Loveday St / Hanley St / Princip St / New Town Row	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	yes	Yes	
CC35	Jcn of Band St & Constitution Hill	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC36	Bounded by Blucher St / Brownsea Dr / Ellis St / Gough St	Ladywood	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC37	Public House - 14 Gough St	Ladywood	River Rea	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
CC38	Land btw Chapmans Passage / Marshall St / Holloway Head / Blucher St	Ladywood	River Rea	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
CC39	Jcn Florence St / Holloway Head / Earnest St	Ladywood	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC40	Upper Gough St / Washington St / Marshall St / Holloway Head	Ladywood	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC41	Blucher St / Marshall St / Upper Gough St / Chapmans Passage	Ladywood	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC42	Adj 240 Holiday St	Ladywood	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC43	82 Granville St	Ladywood	River Rea	no	no	500m	no	no	no	no	no	no	part	no	no	no	no	Very Low	no	no	no	no	Yes	
CC44	Gas St / Berkely St	Ladywood	River Rea	no	no	250m	no	500m	no	no	no	no	no	part	part	no	no	Very Low	no	no	no	no	Yes	
CC45	55 - 65 Grosvenor St West	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
CC46	Sand Pits / Clement St / Nelson St / Summerhill St	Ladywood	River Tame	no	no	500m	no	250m	no	no	no	no	part	part	part	part	no	Very Low	no	no	no	yes	Yes	
CC47	Adj 23 Pitsford St	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	

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				Historic Flooding within 250m or 500m						Predicted Flooding								Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences	Maintained Channel		
				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water										
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m						
CC48	Land bounded by Icknield St / Pickford St / Railway	Ladywood	River Tame	no	no	250m	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	no	no	yes	Yes
CC49	Car Park, Weaman St	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
CC50	Printing House St / Whittall St	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC54	Land off Warstone Parade & Pemberton St	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC56	62-77 Warstone La	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	no	Yes
CC57	109 - 119 Carver St	Ladywood	River Tame	no	no	500m	no	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC58	35-38 Carver St	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
CC59	Land bounded by Moreton St / Carver St / Icknield St	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
CC60	Summer Hill Rd / Powell St	Ladywood	River Tame	no	no	500m	no	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC61	Jcn of Powell St / Summer Hill Terrace	Ladywood	River Tame	no	no	500m	no	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC62	Jcn of Camden St / Albion St / Pope St	Ladywood	River Tame	no	no	500m	no	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC63	Btw Camden St / Albion St / Camden Dr	Ladywood	River Tame	no	no	250m	no	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
CC64	Carver St / Sand Pits / Arthur Place	Ladywood	River Tame	no	no	250m	no	250m	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	no	Yes
CC65	Legge La / Camden Dr / Slone St	Ladywood	River Tame	no	no	250m	no	250m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	yes	Yes
CC67	Land both sides of Holland St	Ladywood	River Tame	no	no	250m	no	250m	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	yes	Yes
CC68	156-170 Newhall St / 35 Charlotte St	Ladywood	River Tame	no	no	250m	no	500m	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	no	Yes
CC71	86 - 86C Old Snow Hill	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
CC72	Warehouse, Corner Lionel St / Ludgate Hill	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	part	no	Very Low	no	no	no	no	Yes
CC73	Mary Ann St btw Constitution Hill & Railway	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC74	The Square, Ryland St	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
CC75	Windmill St / Exeter Passage	Ladywood	River Rea	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
CC76	Land btw Old Show Hill / Lionel St / Railway	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC77	Btw 62 & 90 Constitution Hill	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
CC79	Land btw Coventry St / Meridan St / Allison St / Railway	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	500m	no	No
CC80	Land btw Meridan St / Oxford St / Coventry St / Railway	Ladywood	River Rea	no	no	no	no	no	no	no	part	part	part	part	part	no	part	N/A	part	500m	250m	no	Yes
CC81	Land btw Allison St / Coventry St / Meridan St	Ladywood	River Rea	no	no	no	no	no	no	no	no	part	part	part	no	no	no	Very Low	no	500m	250m	no	Yes
CC82	24-48 Moseley Rd	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
CC84	116 - 134 Bradford St	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	500m	no	No
CC85	206 - 221 Bradford St	Ladywood	River Rea	no	no	no	no	500m	no	no	no	no	no	no	no	no	no	N/A	no	no	500m	no	No
CC86	Land btw Green St & Bradford St	Ladywood	River Rea	no	no	no	no	500m	no	no	no	no	no	no	no	no	no	N/A	no	500m	250m	no	No
CC87	Mosseley St / Rea St / Cheapside / Charles Henry St	Ladywood	River Rea	no	no	no	no	no	no	no	yes	part	yes	part	part	part	part	Very High	part	no	100m	yes	Yes
CC88	Rea St / Land bounded by Moseley St / Bradford St / Barford St	Ladywood	River Rea	no	no	no	no	no	no	no	yes	yes	yes	part	part	part	part	Very High	part	500m	100m	yes	Yes
CC89	St Eugines Court Rea ST	Ladywood	River Rea	no	no	no	no	no	no	no	yes	part	yes	part	part	part	part	Very High	yes	500m	100m	no	Yes
CC90	Btw High St Deritent / Mill La / Bradford St	Ladywood	River Rea	no	no	no	no	no	no	no	part	part	part	part	part	part	no	Very High	part	500m	250m	no	Yes
CC91	Wholesale markets , Barford St	Ladywood	River Rea	no	no	no	no	no	no	no	part	part	part	part	part	part	no	Very High	part	500m	250m	yes	Yes
CC92	Land bounded by Claybrook St / Skinner La / Pershore St / Hurst St	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	500m	no	No
CC93	Hurst St / Sherlock St / Skinner La / Pershore Rd	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	part	part	part	part	no	Very High	no	no	500m	no	Yes
CC94	Land at Bromsgrove / Kent St / Hurst St	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	500m	no	No
CC95	Btw Lower Exxes St / Kent St / Sherlock St / Hurst St	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	part	part	part	no	no	Very High	no	no	500m	yes	Yes
CC96	Bromsgrove St / Gooch St North / Kent St	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	500m	no	Yes
CC97	Bounded by Bromsgrove St / Henstead St / Gooch St North / Kent St	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	500m	no	Yes
CC98	Jcn of Bristol St / Bromsgrove St	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
CC99	Rear of 80 - 104 Bristol St	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E10	REAR 230 FOX HOLLIES ROAD & 75-79 HAZELWOOD ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	part	no	no	no	High	no	no	no	no	Yes
E100	61 - 67 Austy Close	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E101	Adj The Comet Public House, Collingbourne Ave	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	500m	no	No
E103	Adj 138 Shawdales Rd	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very High	no	no	no	no	Yes
E105	16 Coleshill Rd	Hodge Hill	River Cole	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No

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				Historic Flooding within 250m or 500m						Predicted Flooding							Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences	Maintained Channel				
				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water											
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m							>0.3m	0.1 - 0.3m
E106	Btw 17 Hyperion Rd & 7 Papyrus Way	Hodge Hill	River Tame	no	250m	no	no	no	no	no	yes	yes	yes	yes	part	part	part	part	Very High	yes	250m	500m	no	Yes
E107	Adj 17 Papyrus Way	Hodge Hill	River Tame	no	250m	no	no	no	no	no	yes	yes	yes	yes	part	part	part	part	Very High	yes	250m	500m	no	Yes
E108	Jcn of Tipperary Cl & Trigo Croft	Hodge Hill	River Tame	no	500m	no	no	no	no	no	yes	yes	yes	yes	part	part	part	no	Very High	yes	250m	250m	no	Yes
E109	Adj 7 - 17 Hyperion Rd	Hodge Hill	River Tame	no	250m	no	no	no	no	no	yes	yes	yes	yes	part	part	part	no	Very High	yes	250m	500m	no	Yes
E110	Land Adj 25 Trigo Croft	Hodge Hill	River Tame	no	500m	no	no	no	no	no	yes	yes	yes	yes	part	part	part	part	Very High	yes	250m	500m	no	Yes
E111	Rear of 19 - 25 Trigo Croft	Hodge Hill	River Tame	no	500m	no	no	no	no	no	yes	yes	yes	yes	part	part	part	part	Very High	yes	250m	500m	no	Yes
E112	Land bounded by Coventry Rd/ Bolton Rd/ Arther St	Ladywood	River Rea	no	no	no	no	500m	no	no	no	no	no	no	part	no	no	no	Low	no	no	no	no	Yes
E113	Rear of 389 - 393 Coventry Rd	Ladywood	River Rea	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No
E114	12 - 18 Whitmore Rd	Ladywood	River Rea	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No
E115	56 Golden Hillock Rd	Ladywood	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
E116	Rear of 87 - 101 Bordesley Green	Ladywood	River Rea	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No
E117	Rear of 1 - 15 Wheatlands Croft	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
E118	Shard End Crescent	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	part	part	no	no	High	no	no	no	yes	Yes	
E119	25 Chaffcombe Rd	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	part	part	no	no	Very High	no	no	250m	no	Yes	
E120	Coventry Rd / Wagon La	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	part	part	no	no	Very High	no	250m	250m	no	Yes	
E121	Fmr GPO repeater station, Coventry Rd	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	part	no	no	no	N/A	no	500m	500m	no	Yes	
E128	Land to side & rear of 6 - 20 Rotherfield Rd	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
E129	Land adj 29-31 Manston Rd / 38-39 Chestnuts Ave	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
E130	Land adj 33-35 Manston Rd / 40-42 Chestnuts Ave	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
E131	Land adj 47-49 Downsfield Rd / 28-30 Manston Rd	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	No	
E132	Land Adj 28-30 Comberton Rd / 37-39 Chestnuts Ave	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
E133	41-43 Land adj Chestnuts Ave / 32-34 Comberton Rd	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
E135	Jcn of Rotherfield Rd / Lilleshall Rd	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
E136	land btw 143 & 159 Muntz St	Hodge Hill	River Cole	no	no	no	500m	no	no	no	no	no	no	part	no	no	no	Very High	no	no	no	no	Yes	
E137	Kieran's Place public house, Muntz St	Hodge Hill	River Cole	no	no	no	500m	no	no	no	no	no	no	part	no	no	no	Very High	no	no	no	no	Yes	
E138	Jcn Green La / Third St	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No	
E139	45-51 Blake St	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
E14	1719 TO 1721, COVENTRY ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No	
E140	Jcn of Bordsley Green / Blakeland St	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
E141	Adj 275 Belchers La	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Moderate	no	no	no	no	Yes	
E142	Adj 87 Wright St	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	No	
E143	Land bounded by Highgate Pl / Kyrwicks La / Railway	Hall Green	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	part	no	N/A	no	no	no	no	Yes	
E144	Jcn of Kyrwicks La / Auckland Rd	Hall Green	River Rea	no	no	no	no	no	no	no	no	no	no	part	part	part	part	N/A	no	no	no	no	Yes	
E145	Land btw Railway & Auckland Rd	Hall Green	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
E146	Jcn of Stratford Rd / Priestly Rd	Hall Green	River Rea	no	no	no	500m	no	no	no	no	no	no	part	part	part	part	Low	no	no	no	no	Yes	
E147	Land btw Stratford Rd / Ackland St /	Hall Green	River Rea	no	no	no	500m	no	no	no	no	no	no	part	part	part	part	Low	no	no	no	no	Yes	
E148	Land at jcn of Stratford Rd & Kyotts Lake Rd	Hall Green	River Rea	no	no	no	500m	no	no	no	no	no	no	part	part	part	part	Low	no	no	no	no	Yes	
E149	Land adj 67 Montgomery St	Hall Green	River Rea	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No	
E15	SITE OF FORMER LOCK UP GARAGES, ROCKLAND DRIVE	Yardley	River Cole	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	No	
E150	Jcn of Moseley Rd / Clifton Rd	Hall Green	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
E151	Land adj 5 George St	Hall Green	River Rea	no	no	500m	no	no	no	no	no	no	no	part	part	no	no	N/A	no	no	no	no	Yes	
E152	Btw Highgate Rd & Whitbourne Cl	Hall Green	River Cole	no	no	250m	500m	no	no	no	no	no	no	yes	part	part	part	Very High	no	no	no	no	Yes	
E153	Jcn of Alfred St / Stoney La	Hall Green	River Cole	no	no	250m	no	no	no	no	no	no	no	part	part	part	no	Very High	no	no	no	no	Yes	
E154	Rear of 160-170 Ombersley Rd	Hall Green	River Cole	no	no	500m	500m	no	no	no	no	no	no	part	no	part	no	Very High	no	no	no	no	Yes	
E155	Royal Oak Public House, Jcn of Alfred St & Stoney La	Hall Green	River Cole	no	no	250m	500m	no	no	no	no	no	no	part	part	no	no	Very High	no	no	no	no	Yes	
E156	Clifton Hose, Clifton Rd	Hall Green	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
E157	Jcn of Edward Rd & Harbury Rd	Hall Green	River Rea	no	no	no	no	no	no	no	yes	yes	yes	part	part	part	part	Very High	part	500m	250m	no	Yes	
E158	Btw Pershore Rd & Alexandra Rd	Hall Green	River Rea	no	no	500m	no	no	no	no	no	part	part	part	part	part	no	Very High	part	100m	100m	yes	Yes	

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				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water										
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m						
E159	Land btw Sampson Rd North, Bordesley Middleway & canal	Hall Green	River Rea	no	no	no	no	no	no	no	no	no	no	part	part	part	no	Low	no	no	no	no	Yes
E160	Rear of 221 Hallam St	Hall Green	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	500m	no	No
E161	146-156 Weston Lane	Hall Green	River Cole	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
E162	Land between 409 & 427 Warwick Rd	Hall Green	River Cole	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	part	no	no	no	No
E163	Land between Olton Boulevard West & Spring Rd	Hall Green	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	No
E164	Corner of Shaftmoor La & Runnymede Rd	Hall Green	River Cole	250m	no	500m	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	Yes
E165	Percy Rd / Evelyn Rd	Hall Green	River Cole	250m	no	no	no	no	no	part	part	part	part	part	part	part	part	Very High	part	no	no	yes	Yes
E166	Land btw Spring Rd / Lyncroft Rd / Springcroft Rd	Hall Green	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
E167	Rear of 4-72 Weston Rd	Hall Green	River Cole	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
E168	12 - 14 Baker St	Hall Green	River Cole	500m	no	500m	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No
E169	Rock Rd / Rockville Rd	Hodge Hill	River Tame	no	no	250m	no	no	500m	no	no	no	no	part	no	no	no	Very High	no	no	no	yes	Yes
E17	New Meadway Housing1	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	part	no	part	no	High	no	no	no	yes	Yes
E170	Adj 301Alun Rock Rd	Hodge Hill	River Tame	no	no	500m	no	no	no	no	no	no	no	part	part	part	part	N/A	no	no	no	no	Yes
E171	Jcn of Adderly Rd / Adderly Gardens	Hodge Hill	River Rea	no	no	no	no	250m	no	no	no	no	no	part	no	no	no	Very High	no	500m	500m	no	Yes
E172	Ludlow Rd / Hancock Rd	Hodge Hill	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
E173	75-115 Ralph Rd	Hodge Hill	River Rea	no	no	no	no	500m	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No
E174	Rear of 140-150 Yardley Fields Rd	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	part	part	part	no	Very High	no	no	no	no	Yes
E175	Land Ajoining Canal south of Woodcock Lane North	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	500m	no	yes	Yes
E176	Site between 133 & 131a Short Heath Road	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E177	308 & 310 Gravelly Lane	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E178	Site off Sutton Road to rear of 45 & 47 Orchard Road	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E179	86 Orphanage Road including adjacent site	Erdington	River Tame	no	no	500m	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E18	New Meadway Housing 2	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	yes	Yes
E180	Adjacent to 59 Allman Road	Erdington	River Tame	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
E181	Site to rear of 105-113 Baginton Road	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	100m	no	no	No
E182	Site to rear of 128-138 Stornoway Road	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very High	no	100m	no	no	Yes
E183	Site of Birches Green Evangelical Free Church adjacent to 84 Bromford Lane	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	no	Yes
E184	Site of Public Baths Farnborough Road	Erdington	River Tame	no	no	no	no	no	no	no	part	no	part	part	part	part	no	Very High	part	500m	500m	no	Yes
E185	Industrial units & site, Hanson's Bridge Road	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	part	no	Very High	no	100m	no	yes	Yes
E186	10 Compton Road	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E187	Slade Road/Broomfield Raod	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	part	no	Very High	no	500m	500m	no	Yes
E188	Slade Road/Victoria Road	Erdington	River Tame	no	no	250m	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	500m	500m	no	Yes
E189	275 Marsh Hill	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	no	no	Very High	no	100m	500m	no	Yes
E190	395 George Road wider site including Brookvale Park	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	part	no	Very High	no	100m	100m	yes	Yes
E191	4-28 Hunton Road	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E192	Garages adjacent 1-6 Fernfail Court	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E193	42 & 44 Grayshott Close and garages	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E194	To the rear of 33-21 The Parklands	Erdington	River Tame	no	no	no	500m	no	no	no	no	no	no	part	no	part	no	Very Low	no	no	500m	no	Yes
E195	24 Scafell Drive & garages	Erdington	River Tame	no	no	no	250m	no	no	no	no	no	no	part	no	no	no	Moderate	no	no	250m	no	Yes
E196	Kings Road, Stockland Green	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	250m	500m	no	No
E197	2 Clarence Road	Erdington	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	no	no	Yes
E198	71 Fentham Road	Erdington	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
E199	47 Woodend Road	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	no	no	no	Yes
E2	THE KINGS CHRISTIAN CENTRE, OMBERSLEY ROAD CNR. WOODFIELD ROAD	Hall Green	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	Yes
E20	Alderpitts 51 garages	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
E200	37 & 37 Kingsmere Close and garages	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E201	Garages Wentworth Court	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E202	19 Hillaries Road	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	no	no	Very Low	no	no	no	no	Yes

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				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water													
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m							0.1 - 0.3m	>0.3m	
E203	Garages Marshfield Gardens	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	No
E204	480 Slade Road	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	no	no	no	no	no	no	no	no	Yes
E205	Between Marsh Hill and Dallas Road	Erdington	River Tame	no	no	no	500m	no	no	no	no	no	no	part	no	no	no	no	no	no	no	no	no	no	no	Yes
E206	Short Heath Raod	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	part	part	part	no	no	no	no	no	no	no	no	no	Yes
E207	Rear of 110-116 Summer Road	Erdington	River Tame	no	no	250m	no	no	no	no	no	no	no	part	no	no	no	no	no	no	no	no	no	no	no	Yes
E208	Ansell Road/Tyburn Road	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	500m	no	no	no	No
E209	Eachelhurst Road	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	No
E21	Berkeley Road 177	Yardley	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	250m	no	no	no	no	no	No
E211	Lyndhurst Estate	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	no	no	no	no	no	yes	no	yes	Yes
E212	Topcroft Road (rear 8)	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	No
E213	Jarvis Road Erdington PFI	Erdington	River Tame	no	no	250m	no	no	no	no	no	no	no	part	part	part	no	no	no	no	no	no	yes	no	yes	Yes
E214	51 Bordesley Green	Ladywood	River Cole	no	no	no	250m	no	no	no	no	no	no	part	no	no	no	no	no	no	no	no	yes	no	yes	Yes
E215	LAND FRONTING, PERSHORE ROAD	Hall Green	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	500m	500m	no	no	no	no	No
E216	LAND ADJACENT 52, ORCHARD WAY	Hall Green	River Rea	no	no	no	no	no	no	no	part	yes	yes	part	part	part	part	no	no	250m	250m	no	no	no	no	Yes
E217	50 TO 52A, EDGBASTON ROAD	Hall Green	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	No
E218	36, EDGBASTON ROAD	Hall Green	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	No
E219	ADJACENT 78, TINDAL STREET	Hall Green	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	No
E22	Bordesley Green East 624	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	No
E220	538 TO 540, MOSELEY ROAD	Hall Green	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	No
E221	REAR OF 19 TO 27, WOODLANDS ROAD	Hall Green	River Cole	no	no	no	no	no	no	no	no	no	no	part	no	no	no	no	no	no	no	no	no	no	no	Yes
E222	LAND ADJACENT 20, WINDERMERE ROAD	Hall Green	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	No
E223	WORKS ADJACENT 113, WOODFIELD ROAD	Hall Green	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	no	no	Yes
E224	BETWEEN 16 AND 18, LONG STREET	Hall Green	River Rea	no	no	500m	250m	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Yes
E225	CORNER OF, STRATFORD ROAD AND PALMERSTON ROAD	Hall Green	River Cole	no	no	250m	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Yes
E226	REAR OF 15, ST PAULS ROAD	Hall Green	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	no	no	Yes
E227	26, KYOTTS LAKE ROAD	Hall Green	River Rea	no	no	no	500m	no	no	no	no	no	no	part	no	no	no	no	no	no	no	no	no	no	no	Yes
E228	55 TO 81, STRATFORD ROAD	Hall Green	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	no	no	no	no	no	no	no	no	no	Yes
E229	LAND BETWEEN 37 AND 51, MONTGOMERY STREET	Hall Green	River Rea	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	No
E23	Clement Road 194	Yardley	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Yes
E230	LAND ADJACENT 11, BRAITHWAITE ROAD	Hall Green	River Rea	no	no	no	250m	no	no	no	no	no	no	part	part	no	no	no	no	no	no	no	no	no	no	Yes
E231	220, WAKE GREEN ROAD	Hall Green	River Cole	250m	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Yes
E232	ADJACENT 43, FORMANS ROAD	Hall Green	River Cole	250m	no	no	no	no	no	no	no	no	no	part	no	no	no	no	no	no	no	no	no	no	no	Yes
E233	ADJACENT 94, OSBORN ROAD	Hall Green	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	no	no	No
E234	AND 62, BARROWS ROAD	Hall Green	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	no	no	No
E235	6, FALLOWS ROAD	Hall Green	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	no	no	No
E236	79, WARWICK ROAD	Hall Green	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	no	no	No
E237	LAND ADJACENT 41, FRASER ROAD	Yardley	River Cole	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	no	no	No
E238	361, COVENTRY ROAD	Ladywood	River Rea	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	no	No
E239	SITE OF 1 AND 1A, LLOYD STREET	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	no	no	No
E24	East Meadway 166	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	no	no	No
E240	7, HENSHAW ROAD	Ladywood	River Cole	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	no	no	No
E241	235 TO 239, GREEN LANE	Ladywood	River Cole	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	no	no	No
E242	LAND ADJACENT 221, LITTLE GREEN LANE	Ladywood	River Rea	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	no	no	No
E243	LAND CORNER OF, MUNTZ STREET AND GRANGE ROAD	Ladywood	River Cole	no	no	no	500m	no	no	no	no	no	no	part	no	no	no	no	Very High	no	no	no	no	no	no	Yes
E244	ADJACENT TO 14, SAINT SAVIOURS ROAD	Hodge Hill	River Rea	no	no	no	no	250m	no	no	no	no	no	no	no	no	no	no	Very High	no	500m	500m	no	no	no	Yes
E245	8 TO 9, ARLEY ROAD	Hodge Hill	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	500m	500m	no	no	no	No
E246	28, HAVELOCK ROAD	Hodge Hill	River Rea	no	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	no	no	No
E247	FORMER MEB DEPOT, GEORGE ROAD	Erdington	River Tame	no	no	no	no	no	no	no	part	no	part	part	no	no	no	no	Very High	no	100m	100m	yes	no	yes	Yes

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				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water												
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m							0.1 - 0.3m	>0.3m
E248	11, THE DRIVE	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	no	no	no	No
E249	470, SLADE ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	no	Very Low	no	no	no	no	no	Yes
E25	Enford Close 22	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	no	No
E250	187, JERRYS LANE	Erdington	River Tame	500m	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	500m	no	no	Yes
E251	334 TO 338, LADYPOOL ROAD	Hall Green	River Cole	no	no	500m	no	no	no	no	no	no	part	no	part	no	no	N/A	no	no	no	no	no	Yes	
E252	74, COLLEGE ROAD	Hall Green	River Cole	500m	no	500m	250m	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	no	Yes	
E253	1756 TO 1758, COVENTRY ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	no	No	
E254	8, RALPH ROAD	Hodge Hill	River Rea	no	no	no	no	500m	no	no	no	no	part	no	no	no	no	High	no	no	no	no	no	Yes	
E255	31, SHIRLEY ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	no	No	
E256	16, LATELOW ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	no	No	
E257	FORMER ALSTROM OFFICE, LEIGH ROAD	Hodge Hill	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	500m	500m	no	no	No	
E258	796, WASHWOOD HEATH ROAD	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	no	No	
E259	728 TO 732, STRATFORD ROAD	Hall Green	River Cole	250m	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	no	Yes	
E26	Fir Farm Drive 20	Hodge Hill	River Tame	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	no	No	
E260	306, STATION ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	part	part	part	no	no	N/A	no	no	no	no	no	Yes	
E261	133 TO 141, REDDINGS LANE	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	no	No	
E262	95, REDDINGS LANE	Yardley	River Cole	no	no	no	no	no	no	no	no	no	part	no	no	no	no	N/A	no	no	no	no	no	Yes	
E263	FORMER BREED STEERING SYSTEMS LTD, SPRING ROAD	Hall Green	River Cole	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	yes	yes	Yes	
E264	35 TO 53, SPRING ROAD	Hall Green	River Cole	no	no	no	no	no	no	no	no	no	no	part	part	no	no	High	no	no	no	no	no	Yes	
E265	8 TO 14, ST OSWALDS ROAD	Hodge Hill	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	no	No	
E266	LAND ADJACENT 163, MANSEL ROAD	Hodge Hill	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	no	Yes	
E267	252 TO 254, SOMERVILLE ROAD	Hodge Hill	River Cole	no	no	250m	no	no	no	no	no	no	no	part	part	part	no	Very High	no	no	no	no	no	Yes	
E268	LAND BETWEEN 58 TO 64, BLAKELAND STREET	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No	
E269	514 TO 522, GREEN LANE	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	no	No	
E27	Gerardsfield Road 14	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	no	No	
E270	55, HOB MOOR ROAD	Hodge Hill	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	no	No	
E271	2 TO 52, RAYMOND ROAD	Hodge Hill	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	no	No	
E272	38 TO 64, BETWEEN HARTOPP ROAD AND CLODESHALL ROAD	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	no	No	
E273	61 TO 89, CLODESHALL ROAD	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	no	No	
E274	32 TO 50, COUCHMAN ROAD	Hodge Hill	River Tame	no	no	500m	no	no	no	no	no	no	part	no	part	no	no	Very High	no	no	no	no	no	Yes	
E275	2 TO 30, COUCHMAN ROAD	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	no	part	no	no	no	no	Very High	no	no	no	no	no	Yes	
E276	1 TO 59, CLODESHALL ROAD	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	no	part	no	no	no	no	Very High	no	no	no	no	no	Yes	
E277	LAND CORNER OF, COUCHMAN ROAD AND PARKFIELD ROAD	Hodge Hill	River Tame	no	no	500m	no	no	no	no	no	no	part	no	no	no	no	N/A	no	no	no	no	no	Yes	
E278	10, HIGHFIELD ROAD	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	no	No	
E279	ADJACENT 78, PARKFIELD ROAD	Hodge Hill	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	no	No	
E28	Giles Close	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	no	No	
E280	29 TO 85, NASEBY ROAD	Hodge Hill	River Tame	no	no	250m	no	no	500m	no	no	no	no	no	no	no	no	Very High	no	no	no	no	no	Yes	
E281	LAND REAR OF 11 TO 27, FOXTON ROAD	Hodge Hill	River Tame	no	no	250m	no	no	500m	no	no	no	part	no	no	no	no	Very High	no	no	no	no	no	Yes	
E282	LAND ADJACENT 409, ALUM ROCK ROAD	Hodge Hill	River Tame	no	no	250m	no	no	500m	no	no	no	part	no	no	no	no	Very High	no	no	no	yes	yes	Yes	
E283	1 TO 79, FARNDON ROAD	Hodge Hill	River Tame	no	no	250m	no	no	250m	no	no	no	part	no	no	no	no	Very High	no	no	no	no	no	Yes	
E284	ADJACENT TO 18, WARREN ROAD	Hodge Hill	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	no	No	
E285	ADJACENT 183, HIGHFIELD ROAD	Hodge Hill	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No	
E286	ADJACENT 139, WOOD END LANE	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No	
E287	95, OVAL ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	500m	no	no	No	
E288	830-832, STRATFORD ROAD	Hall Green	River Cole	500m	no	500m	500m	no	no	no	no	no	part	no	part	no	no	N/A	no	no	no	no	no	Yes	
E289	FORMER HIGHCROFT HOSPITAL SITE, HIGHCROFT ROAD	Erdington	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	Yes	
E29	Gossey Lane 68	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	no	No	
E290	FORMER HIGHCROFT HOSPITAL SITE, HIGHCROFT ROAD	Erdington	River Tame	no	no	250m	no	no	no	no	no	no	part	no	part	no	no	Very Low	no	500m	no	no	no	Yes	

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				Historic Flooding within 250m or 500m						Predicted Flooding								Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences	Maintained Channel		
				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water										
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m						
E291	FORMER HIGHCROFT HOSPITAL SITE, HIGHCROFT ROAD	Erdington	River Tame	no	no	250m	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	500m	no	yes	Yes
E292	300, RESERVOIR ROAD	Erdington	River Tame	no	no	250m	no	no	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	no	Yes
E293	117, GRAVELLY HILL NORTH	Erdington	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
E294	ADJACENT 2A, ROLLASON ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E295	LAND ADJACENT 91, TEDBURY CRESCENT	Erdington	River Tame	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E296	REAR OF 296 TO 306, GRAVELLY LANE	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E297	LAND ADJACENT 7 TO 9, HAYWARDS CLOSE	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E298	99 TO 103, STATION ROAD	Erdington	River Tame	no	no	250m	no	no	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	no	Yes
E299	72 AND 74, BROOK MEADOW ROAD	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	No
E30	Heath Way adj 426	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No
E300	2 SEVERNE ROAD AND, 221 GOSPEL LANE	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	250m	no	no	No
E301	124, WOOD END ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E302	244, HIGH STREET	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E303	189, HIGH STREET	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E304	1121, WARWICK ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	part	no	no	no	no	Very High	no	no	no	no	Yes
E305	354 TO 356, STRATFORD ROAD	Hall Green	River Cole	no	no	250m	500m	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	no	Yes
E306	ABOVE 247, HIGH STREET	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E307	ABOVE 332, HOBBS MOAT ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	part	part	part	no	no	Very High	no	500m	500m	no	Yes
E308	39, ST PAULS ROAD	Hall Green	River Cole	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	Very High	no	no	no	no	Yes
E309	111, HIGH STREET	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E31	Hollyberry Croft adj 3	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No
E310	134, SUTTON ROAD	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E311	242, 242a,242b, SPRING ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	No
E312	SITE OF 1 TO 31, KNIGHTS ROAD	Yardley	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
E313	SITE OF 1 TO 31, KNIGHTS ROAD	Yardley	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	No
E314	113 ARDEN ROAD AND, 42 AND 44 FLINT GREEN ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
E315	1 TO 7, SHERBOURNE ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
E316	REAR OF 95 TO 97, ARDEN ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No
E317	LAND ADJACENT 139, WESTLEY ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
E318	REAR OF 51 TO 55, BROAD ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
E319	1073, WARWICK ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	No
E32	Hollyberry Croft adj 8	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No
E320	59, REDHILL ROAD	Yardley	River Cole	no	no	250m	no	no	no	no	no	no	part	part	part	no	no	N/A	no	500m	no	no	Yes
E321	LAND ADJACENT 148, STOCKFIELD ROAD	Yardley	River Cole	no	no	500m	no	no	no	no	no	no	part	part	part	part	Moderate	no	no	no	no	no	Yes
E323	94 TO 100 AND LAND ADJACENT, HOB MOOR ROAD	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No
E324	COTTERILLS LANE	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
E325	2 TO 64, WARD CLOSE	Hodge Hill	River Tame	no	no	500m	no	no	500m	no	no	no	part	no	no	no	no	Low	no	no	no	no	Yes
E326	5, DEAKIN ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E327	LAND ADJACENT 161, DREWS LANE	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	N/A	no	500m	500m	no	Yes
E328	REAR OF BROMFORD INN PUBLIC HOUSE, BROMFORD LANE	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	part	part	no	no	no	no	Very High	part	100m	100m	no	Yes
E329	SITE OF 1, BROMFORD LANE	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E33	Kestrel Ave adj 64	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	100m	no	no	No
E330	ADJACENT 80, ALLEYNE ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	No
E331	REAR OF 233 TO 237, HOLLY LANE	Erdington	River Tame	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
E332	LAND AT, SPRING LANE	Erdington	River Tame	no	no	no	no	no	no	no	no	part	no	part	no	no	no	Low	no	no	no	no	Yes
E333	SITE OF 67 TO 105, WILMOT DRIVE	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E334	SITE OF 17 TO 39, BANNERS GROVE	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E335	SITE OF 27 TO 73, STONNAL GROVE	Erdington	River Tame	no	no	no	no	no	no	no	no	no	part	no	no	no	no	Very Low	no	no	no	no	Yes

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				Historic Flooding within 250m or 500m						Predicted Flooding								Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences	Maintained Channel			
				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water											
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m							0.1 - 0.3m
E336	SITE OF 75 TO 97, STONNAL GROVE	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	no	Very Low	no	no	no	no	Yes
E337	SITE OF 109 TO 131, ROWDEN DRIVE	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	no	Very Low	no	no	no	no	Yes
E338	43 TO 65, WILMOT DRIVE	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
E339	1 TO 25, BEECHMOUNT DRIVE	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	no	Very Low	no	no	no	no	Yes
E34	Little Bromwich Road (50 - 64)	Hodge Hill	River Cole	no	no	no	no	no	no	no	part	part	part	no	no	no	no	N/A	part	100m	no	no	Yes	
E340	67 TO 83, BEECHMOUNT DRIVE	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
E341	779 TO 787, CHESTER ROAD	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
E342	14, SILVER BIRCH ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
E343	ADJACENT 4, ORPHANAGE ROAD	Erdington	River Tame	no	no	500m	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
E344	SITE OF 18 TO 40, WILMOT DRIVE	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
E345	450, ALUM ROCK ROAD	Hodge Hill	River Tame	no	no	250m	no	no	500m	no	no	no	no	part	no	part	no	Very High	no	no	no	no	Yes	
E346	1105 TO 1105A, WARWICK ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	part	no	no	no	no	Very High	no	no	no	no	Yes	
E347	512 FIRST FLOOR, STRATFORD ROAD	Hall Green	River Cole	500m	no	250m	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	Yes	
E348	17, VICTORIA ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No	
E349	1, WHITTINGTON GROVE	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No	
E35	Lomond Close rear 19	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
E350	37, WESTLEY ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	No	
E351	140, COLESHILL ROAD	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
E352	1044, COVENTRY ROAD	Yardley	River Cole	no	no	250m	no	no	no	no	no	yes	yes	part	part	no	no	Very High	yes	100m	no	no	Yes	
E353	894, TYBURN ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No	
E354	2 TO 8, WARWICK ROAD	Yardley	River Cole	no	no	250m	no	no	no	no	no	no	no	part	no	no	no	N/A	no	250m	250m	no	Yes	
E355	69 AND 71, YARDLEY ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No	
E356	REAR OF EASTBOURNE HOUSE, BEECHES AVENUE	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No	
E357	19, STATION ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	part	part	part	part	Very High	no	no	no	no	Yes	
E358	15 TO 17, STATION ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	part	part	part	part	Very High	no	no	no	no	Yes	
E359	213, MARY STREET	Hall Green	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	500m	no	No	
E36	Lowson Croft (adj 27)	Yardley	River Cole	no	500m	no	no	no	no	no	no	no	no	part	no	no	no	Very High	no	no	no	no	Yes	
E360	425 AND LAND TO REAR, YARDLEY ROAD	Yardley	River Cole	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	Low	no	no	no	no	Yes	
E361	REAR OF 12, STOCKFIELD ROAD	Yardley	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	Yes	
E362	REAR OF 410, STOCKFIELD ROAD	Yardley	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	Yes	
E363	REAR OF 364 TO 404, STOCKFIELD ROAD	Yardley	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	Yes	
E364	CORNER YARDLEY ROAD, MANSFIELD ROAD	Yardley	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No	
E365	74, FRANCIS ROAD	Yardley	River Cole	no	500m	no	no	no	no	no	no	no	no	part	part	part	no	Very High	no	no	no	no	Yes	
E366	554, HOB MOOR ROAD	Yardley	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No	
E367	REAR OF 131, STONEY LANE	Yardley	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
E368	SITE OF INNIS PUBLIC HOUSE (VILLAGE ARMS), CLEMENTS ROAD	Yardley	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No	
E369	LAND ADJACENT 34, COTTERILLS AVENUE	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	part	part	part	no	N/A	no	no	no	no	Yes	
E37	Milsom Grove (rear 60-68)	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
E370	ADJACENT 40, EASTFIELD ROAD	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	part	no	no	N/A	no	no	no	no	Yes	
E371	REAR OF ALL SAINTS CHURCH, ADJACENT 113 ALBERT ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No	
E372	15, TENNYSON ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	no	Yes	
E373	LAND ADJACENT WARD END PUBLIC HOUSE AND FRONTING, BURNEY LANE	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	No	
E374	ADJACENT WARD END PUBLIC HOUSE FRONTING, ALUM ROCK ROAD	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No	
E375	ADJACENT 1, WINCANTON CROFT	Hodge Hill	River Tame	no	no	no	no	no	no	yes	yes	yes	yes	part	no	no	no	Very High	yes	500m	250m	no	Yes	
E376	117, BROCKHURST ROAD	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
E377	ADJACENT 250, HOLLY LANE	Erdington	River Tame	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No	
E378	PYPE HAYES ROAD, PADSTOW ROAD, PYPE HAYES ROAD	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	part	part	part	no	Moderate	no	no	no	yes	Yes	
E379	NOCKS BRICKWORKS, HOLLY LANE	Erdington	River Tame	no	no	no	250m	no	no	no	no	no	no	part	part	part	part	Very High	no	no	no	yes	Yes	

Site Reference	Address	Constituency	Major Catchment	Sources of Flooding															Flood risk Management Measures			Over the	FRA Required	
				Historic Flooding within 250m or 500m						Predicted Flooding									Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences			Maintained Channel
				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water											
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m	0.1 - 0.3m						
E38	Old Bromford Lane (adj 95)	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	no	Yes	
E380	1176 AND 1178, COVENTRY ROAD	Yardley	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	no	no	Yes	
E381	4 TO 8, BOWCROFT GROVE	Erdington	River Tame	no	no	500m	250m	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	Yes	
E382	BETWEEN 16 AND 22, YENTON GROVE	Erdington	River Tame	no	no	500m	500m	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
E383	LAND BETWEEN, YENTON GROVE AND BOWCROFT GROVE	Erdington	River Tame	no	no	500m	250m	no	no	no	no	no	part	no	no	no	Very High	no	no	no	no	Yes		
E384	LAND BETWEEN, BOWCROFT GROVE AND CHASE GROVE	Erdington	River Tame	no	no	500m	250m	no	no	no	no	no	part	no	no	no	Very High	no	no	no	no	Yes		
E385	ADJACENT 9, CHASE GROVE	Erdington	River Tame	no	no	500m	250m	no	no	no	no	no	part	no	no	no	Very High	no	no	no	no	Yes		
E386	SITE OF 2 TO 16, HERVEY GROVE	Erdington	River Tame	no	no	500m	250m	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	Yes		
E387	19 TO 23, HERVEY GROVE	Erdington	River Tame	no	no	no	500m	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No		
E388	SITE OF 4 AND 6, HAYES GROVE	Erdington	River Tame	no	no	no	500m	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No		
E389	ABOVE 161, CHURCH ROAD	Yardley	River Cole	no	no	500m	no	no	no	no	no	no	part	part	part	no	High	no	no	no	no	Yes		
E39	Tile Cross Road (Opp 223)	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	part	no	part	no	Very High	no	no	no	no	Yes		
E390	300, THE AVENUE	Yardley	River Cole	no	no	500m	no	no	no	no	no	no	part	no	no	no	N/A	no	500m	500m	no	Yes		
E391	SITE OF 54, NEW COVENTRY ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	part	part	no	no	Moderate	no	500m	500m	no	Yes		
E392	46, GARRETT'S GREEN LANE	Yardley	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	No		
E393	ADJACENT 23, BLAKESLEY ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No		
E394	38, BLAKESLEY ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	no	Yes		
E395	15 TO 33, LYME GREEN ROAD	Yardley	River Cole	500m	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No		
E396	DRYLEA GROVE AND FIRS FARM DRIVE, SHAWSDALE ROAD	Hodge Hill	River Tame	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	No		
E397	LAND ADJACENT 37, EDGEMOND AVENUE	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No		
E398	1057, KINGSBURY ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No		
E399	LAND REAR OF, BEVERLEY GROVE AND THREE HORSESHOES LANE	Yardley	River Cole	no	no	no	no	no	no	no	no	no	part	no	no	no	Very High	no	250m	250m	no	Yes		
E40	Kyrwicks Lane, Sparkbrook	Hall Green	River Rea	no	no	500m	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	no	Yes		
E400	364, BARROWS LANE	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No		
E401	REAR OF 284 TO 286, BRAYS ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	500m	no	No		
E402	ADJACENT 72, KEBLE GROVE	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	500m	500m	no	No		
E403	EAST BIRMINGHAM COLLEGE, GARRETT'S GREEN LANE	Yardley	River Cole	no	no	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	yes	Yes		
E404	LAND BOUNDED BY, MEADWAY AND SHELDON HEATH ROAD AND BROADSTONE ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	yes	Yes		
E405	BETWEEN 18 AND 28, NORTH ROUNDHAY	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	part	part	part	no	N/A	no	no	no	no	Yes		
E406	ADJACENT 451, FLAXLEY ROAD	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No		
E407	ADJACENT 134, LEA HALL ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	no	Yes		
E408	SITE OF 27 TO 41, EMBLETON GROVE	Hodge Hill	River Cole	500m	no	no	no	no	no	no	no	no	part	no	no	no	Very High	part	no	no	no	Yes		
E409	ADJACENT 32, CADBURY DRIVE	Erdington	River Tame	no	no	no	no	no	no	no	part	no	part	part	no	no	Very High	part	500m	500m	no	Yes		
E41	Land between Highgate Road & Woodfield Crescent	Hall Green	River Cole	no	no	500m	500m	no	no	no	no	no	part	no	no	no	High	no	no	no	yes	Yes		
E410	LAND OFF, LANCASTER DRIVE AND FARNBOROUGH ROAD	Erdington	River Tame	no	no	no	no	no	no	part	part	part	part	part	part	no	Very High	no	100m	100m	yes	Yes		
E411	SITE OF HERMES HOUSE, INNSWORTH DRIVE	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	no	no	No		
E412	31 TO 39, DYCE CLOSE	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	250m	no	no	No		
E413	SITE OF METEOR HOUSE, FILTON CROFT	Erdington	River Tame	no	no	no	no	no	no	no	no	no	part	no	part	no	N/A	no	250m	no	no	Yes		
E414	FORMER LIBRARY, TURNHOUSE ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	Very High	no	100m	no	no	Yes		
E415	SITE OF TERNHILL HOUSE, HALFPENNY FIELD WALK	Erdington	River Tame	no	no	no	no	no	no	no	part	no	yes	no	no	no	Very High	yes	no	no	no	Yes		
E416	2236 TO 2338, COVENTRY ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	part	no	part	no	N/A	no	250m	100m	no	Yes		
E417	ADJACENT 130, CHURCH ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	500m	250m	no	Yes		
E418	1 AND 2, SILVERMERE ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	100m	no	No		
E419	ADJACENT 75, MAPLEDENE ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	500m	no	No		
E420	ADJACENT 11, HONEYBOURNE ROAD	Yardley	River Cole	500m	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No		
E421	SITE OF 1, CLOPTON ROAD	Yardley	River Cole	500m	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No		
E424	23 AND 25, ADMINGTON ROAD	Yardley	River Cole	500m	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No		
E425	LAND FRONTING HIDCOTE GROVE, ADMINGTON ROAD AND MICKLETON AVENUE	Yardley	River Cole	no	no	no	no	no	no	no	no	no	part	no	part	no	N/A	no	no	no	no	Yes		

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				Historic Flooding within 250m or 500m						Predicted Flooding								Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences	Maintained Channel		
				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water										
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m						
E426	331 TO 339, SHELDON HEATH ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	part	part	part	part	Very High	no	no	no	no	Yes
E427	ADJACENT 11, TILE CROSS ROAD	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
E428	REAR OF 35 TO 51, ALDERPITS ROAD	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
E429	ADJACENT 81, NEARMOOR ROAD	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	part	part	part	part	Very High	no	no	no	no	Yes
E430	LAND FRONTING, PARK LANE	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	part	no	no	no	Very High	no	500m	no	yes	Yes	
E431	REAR OF 159 TO 167, TILE CROSS ROAD	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	No	
E432	ADJACENT 8, DOWNTON CRESCENT	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
E433	108, WINDERMERE ROAD	Hall Green	River Cole	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
E434	ADJACENT 58, HURST LANE	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No	
E435	435, SHIRLEY ROAD	Yardley	River Cole	250m	250m	500m	250m	no	no	no	no	no	no	no	no	no	High	no	no	no	no	Yes	
E436	10, RESERVOIR ROAD	Erdington	River Tame	no	no	250m	no	no	no	no	no	no	part	no	part	no	Very Low	no	no	no	no	Yes	
E437	488, COVENTRY ROAD	Ladywood	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No	
E438	479 TO 481, STRATFORD ROAD	Hall Green	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	Yes	
E439	1A, NEWMAN ROAD	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
E440	113, LADYPOOL ROAD	Hall Green	River Cole	no	no	500m	500m	no	no	no	no	no	part	no	part	no	Very High	no	no	no	no	Yes	
E441	88, STRATFORD ROAD	Hall Green	River Rea	no	no	500m	no	no	no	no	no	no	part	part	part	no	Low	no	no	no	no	Yes	
E442	29 TO 31, WHEELWRIGHT ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
E443	20, GREEN LANE	Ladywood	River Rea	no	no	no	250m	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	Yes	
E444	63 AND 63A, GRAVELLY LANE	Erdington	River Tame	no	no	250m	no	no	no	no	no	no	part	part	no	no	Very Low	no	no	no	no	Yes	
E445	23 TO 27, ALUM ROCK ROAD	Hodge Hill	River Rea	no	no	no	no	500m	no	no	no	no	part	no	no	no	Very High	no	no	500m	no	Yes	
E446	551 TO 555, GREEN LANE	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
E447	296 TO 298, STRATFORD ROAD	Hall Green	River Cole	no	no	250m	500m	no	no	no	no	no	part	part	no	no	Very High	no	no	no	no	Yes	
E448	ABOVE 168 TO 170, SLADE ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	500m	500m	no	No	
E449	346, BORDESLEY GREEN EAST	Yardley	River Cole	no	no	no	no	no	no	no	no	no	part	no	no	no	N/A	no	500m	no	no	Yes	
E45	Parkfield/Anthony Road	Hodge Hill	River Tame	no	no	500m	no	no	no	no	no	no	part	no	no	no	High	no	no	no	yes	Yes	
E450	155 TO 157, ALBERT ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No	
E451	19, VICTORIA ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No	
E452	ADJACENT 87, LONG STREET	Hall Green	River Rea	no	no	no	500m	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No	
E453	1-4 Willersey Road	Hall Green	River Cole	500m	no	no	500m	no	no	no	no	no	no	part	part	no	Very High	no	no	no	no	Yes	
E454	Thirlmere Drive site A	Hall Green	River Cole	250m	no	no	250m	no	no	no	no	no	part	part	part	no	Very High	no	no	no	no	Yes	
E455	Thirlmere Drive site B	Hall Green	River Cole	250m	no	no	250m	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	Yes	
E46	Broadway Avenue	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	no	part	no	no	no	High	no	no	no	no	Yes	
E47	Carlton Road	Ladywood	River Rea	no	no	no	500m	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No	
E48	Green Lane/Prince Albert Street	Ladywood	River Cole	no	no	no	500m	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No	
E49	Montgomery Street/South Road	Hall Green	River Rea	no	no	no	500m	no	no	no	no	no	part	part	part	part	High	no	no	no	yes	Yes	
E50	Starbank Road	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	250m	no	yes	Yes	
E51	Plough and Harrow, Coventry Road	Yardley	River Cole	no	no	500m	no	no	no	part	part	part	yes	part	part	part	Very High	part	100m	no	no	Yes	
E52	Land South of Weston Lane	Hall Green	River Cole	250m	no	no	no	no	no	no	no	no	part	no	no	no	High	no	no	no	yes	Yes	
E54	Reddings Lane	Yardley	River Cole	500m	no	no	no	no	no	no	no	no	no	part	part	part	Very High	no	no	no	yes	Yes	
E56	Bierton Road Yardley	Yardley	River Cole	no	no	250m	no	no	no	no	no	no	no	part	part	no	N/A	no	250m	no	yes	Yes	
E57	Manor House Pub and adjacent land, Station Road	Yardley	River Cole	no	no	no	250m	no	no	no	no	no	no	part	part	part	Very High	no	no	no	yes	Yes	
E58	Albert Road/Station Road	Yardley	River Cole	no	no	no	500m	no	no	no	no	no	part	part	part	part	Very High	no	no	no	yes	Yes	
E59	B&Q Site Station Road Stechford	Yardley	River Cole	no	no	no	250m	no	no	part	part	part	part	part	no	part	Very High	no	no	no	yes	Yes	
E61	Former Yardley Sewage Works, Colehall lane	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	yes	Yes	
E62	Briarscroft, Packington Avenue	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	part	part	no	Very High	no	no	no	no	Yes	
E63	Hallmoor School, Hallmoor Road	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	part	part	part	High	no	no	no	yes	Yes	
E64	Beswick Grove	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	part	no	part	no	N/A	no	no	no	no	Yes	
E65	Farmcote Road	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	

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				Historic Flooding within 250m or 500m						Predicted Flooding								Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences	Maintained Channel		
				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water										
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m						
E66	Silvermere Centre, Silvermere Road, Sheldon	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	100m	yes	Yes
E68	Rear of Downsfield Rd	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	part	part	part	part	Very High	no	no	no	yes	Yes
E69	Elderfield Care Home, Garretts Green Lane	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	part	part	part	part	N/A	no	no	no	no	Yes
E7	647, STRATFORD ROAD	Hall Green	River Cole	250m	no	no	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	no	Yes
E71	Summer Road/Fox Hollies Road	Yardley	River Cole	no	no	no	no	no	no	no	no	no	part	no	no	no	Very High	no	no	no	yes	Yes	
E72	North Warwick Street	Ladywood	River Cole	no	no	no	500m	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No	
E75	Land between 18 -24 Netherfield Gardens & Warwick Rd	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	No	
E76	Tysley La / Warwick Rd	Yardley	River Cole	no	no	250m	no	no	no	no	no	no	part	no	no	no	Very High	no	no	no	yes	Yes	
E77	Btw 28 Knights Rd & 785 Wrawick Rd	Yardley	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	Yes	
E78	Btw 43 & 61 The Avenue	Yardley	River Cole	no	no	no	no	no	no	no	no	no	part	no	no	no	Very High	no	no	no	no	Yes	
E79	Jcn of Olton Boulevard East & Warwick Rd	Yardley	River Cole	no	no	250m	no	no	no	no	no	no	part	no	no	no	N/A	no	250m	250m	no	Yes	
E8	OFF LITTLE GREEN LANE, EVERSLEY ROAD	Ladywood	River Cole	no	no	no	250m	no	no	no	no	no	part	part	part	no	Low	no	no	no	no	Yes	
E81	Rear of 10 - 26 Bericote Croft	Yardley	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	Moderate	no	500m	500m	no	No	
E82	Adj 109 Westley Rd	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No	
E83	Rear of 635 - 773 Warwick Rd	Yardley	River Cole	no	no	500m	no	no	no	no	no	no	part	no	no	no	Very High	no	no	no	yes	Yes	
E84	Rear of 44 - 96 Knights Rd	Yardley	River Cole	no	no	500m	no	no	no	no	no	no	part	part	part	no	Very High	no	no	no	no	Yes	
E86	Rear of 305 - 367 Stockfield Rd	Yardley	River Cole	no	no	250m	no	no	no	no	no	no	part	no	no	no	High	no	no	no	no	Yes	
E88	49 Wordsworth Rd	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No	
E89	Land off Roma Rd	Yardley	River Cole	no	no	500m	no	500m	no	part	part	part	part	part	no	no	Very High	no	no	no	yes	Yes	
E90	Church Rd, Swan Centre	Yardley	River Cole	no	no	500m	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
E91	Hobmore Primary School	Yardley	River Cole	no	no	500m	no	no	no	no	no	no	part	no	no	no	High	no	no	no	no	Yes	
E93	Land adj 1 Geraldine Rd	Yardley	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No	
E94	Land btw 181 and 183 Deakins Rd	Yardley	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	no	no	No	
E95	Jcn of Bromford Dr & Reynoldstown Rd	Hodge Hill	River Tame	no	no	no	no	no	no	yes	yes	yes	yes	no	no	no	Very High	yes	250m	100m	no	Yes	
E97	Rear of 12 - 14 Pan Croft	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	500m	no	No	
E98	Garages adj Thistle House	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	no	part	no	no	no	Very High	part	500m	500m	no	Yes	
E99	Garages adj 17 Blossom Grove	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	500m	500m	no	No	
N101	New Triumphant Pentecostal Church, Farm Street	Ladywood	River Tame	no	no	no	no	no	no	no	part	no	part	part	no	no	Very Low	no	no	no	no	Yes	
N102	Rear of, 106-116 Wheelers Street	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N103	Garages rear of 8-18 Gee Street	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N104	Corner of Hospital Street and Bridge Street West	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N105	Rear of 5-15 Attenborough Close	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N106	Between 53 & 47 Parliament Street	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No	
N107	6 Parliament Street	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	part	no	no	no	Low	no	no	no	no	Yes	
N108	Sutton Street	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No	
N109	Rear of 62 - 66 Porchester Drive	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	no	no	no	Yes	
N11	Wellington Road/Westminster Road	Perry Barr	River Tame	500m	no	no	500m	no	no	no	no	no	no	no	no	no	Moderate	no	500m	500m	no	No	
N111	330 Hospital Street	Ladywood	River Tame	no	no	no	no	no	no	no	yes	no	yes	part	no	part	no	Very Low	no	no	no	no	Yes
N112	Site includes 76-97 Clifford Way & 1-64 Alma Way	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	part	part	no	Very Low	no	no	no	yes	Yes	
N124	Site adjacent to 58 Grove Lane	Perry Barr	River Tame	no	500m	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
N125	10 Dawson Road	Perry Barr	River Tame	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N126	3 Ivy Road	Perry Barr	River Tame	no	500m	no	no	no	no	500m	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N127	Site off Rookery Road to rear of 21-43 Alfred Road	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N128	8 Wills Street and adjacent site	Perry Barr	River Tame	no	no	250m	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
N130	33 Wills Street	Perry Barr	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
N131	49 Roland Road	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N132	Site adjacent and to rear of 13 Finch Road	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N133	92 & units 1-4 Hutton Road	Perry Barr	River Tame	no	no	no	500m	no	no	no	no	no	part	part	part	no	Moderate	no	no	no	no	Yes	

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				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water										
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m						
N134	78 Hutton Road	Perry Barr	River Tame	no	no	no	500m	no	no	no	no	no	no	part	part	no	no	Moderate	no	no	no	no	Yes
N135	Adjacent to 137 Wellington Road	Perry Barr	River Tame	500m	no	no	500m	no	no	no	no	no	no	no	no	no	no	Low	no	no	500m	no	No
N136	Site adjacent to 214 Wellington Road	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	500m	500m	no	Yes
N137	Site to rear of 146-156 Rough Road	Erdington	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N138	72 Warren Farm Road	Erdington	River Tame	no	no	250m	no	no	no	no	no	no	part	part	no	no	Moderate	no	no	no	no	Yes	
N139	Site adjacent to 59 Perry Common Road	Erdington	River Tame	no	no	no	500m	no	no	no	part	no	part	part	part	part	High	no	no	100m	no	Yes	
N14	Old Oscott Hill, Old Oscott	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N140	Site including 3 - 7 & 15, 17 Perry Common Road & 2 - 6 Turfpit Lane	Erdington	River Tame	no	no	no	250m	no	no	no	part	no	part	part	part	no	High	no	no	100m	no	Yes	
N141	35 Hawthorn Road	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N148	164-206 Dudley Road	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	no	no	no	Yes	
N15	Kingstanding Road/Rushden Croft	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N150	Site corner of Aldridge Road & Beeches Road	Perry Barr	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	Yes	
N151	Site rear of 24 Anchorage Road	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N152	Site adjacent 5 Wither Hill Road	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	Yes	
N153	2 & 2a Keyse Road	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	Yes	
N157	Site rear of 2-6 Goldieslie Road	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N158	Site and garages Buckingham Mews	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N160	Site corner of 728,730 Aldridge Road & 2 Old Oscott Lane	Perry Barr	River Tame	no	no	250m	no	no	no	no	no	no	part	no	no	no	Very High	no	no	no	no	Yes	
N161	1139 Aldridge Road	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N162	70 Greenholm Road	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N163	Site off Kingstanding Road	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	part	no	part	no	Very High	no	no	500m	yes	Yes	
N164	50 College Road	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	500m	500m	no	No	
N165	54 College Road	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	part	no	part	no	Very High	no	500m	500m	no	Yes	
N166	80-84 Bandywood Road	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
N167	49 Old Oscott Hill	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N17	Between Prestbury Road and Ettington Road	Ladywood	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	Yes	
N170	Site adjacent to 118 Hawthorn Road	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N172	Site to rear of 280-312 Perry Wood Road	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N177	Site rear of 110-153 Tame Road	Perry Barr	River Tame	250m	no	250m	no	no	no	part	yes	yes	yes	part	part	no	Very High	part	500m	100m	no	Yes	
N178	Site Hamstead Hall Road adjacent 15	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N179	14 Handsworth Wood Road	Perry Barr	River Tame	no	no	no	500m	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
N180	15 Stockwell Road	Perry Barr	River Tame	no	no	250m	250m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
N181	26 Coopers Road	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N182	Site rear of and including 1Clent Road	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
N183	64-89 Denewood Avenue	Perry Barr	River Tame	500m	no	no	250m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
N184	Site between 6 & 16 Butler's Road	Perry Barr	River Tame	no	no	no	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N185	Site adjacent 6 Devonshire Road	Perry Barr	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
N186	Site rear of 32-68 Sycamore Road, Sycamore Trading Estate	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N187	2-10 Queens Head Road	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N188	Site adjacent 57 George Street	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	yes	Yes	
N189	5-7 Crescent Avenue	Ladywood	River Tame	no	no	500m	no	no	no	no	part	no	part	part	part	part	Very Low	no	no	no	yes	Yes	
N190	201 - 195 Dudley Road	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
N191	367-379 Dudley Road	Ladywood	River Tame	no	no	250m	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
N2	38 Heath Street South and adjacent site	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	part	part	part	no	Very Low	no	no	no	yes	Yes	
N208	Garages to rear of 205-197 Blackberry Lane	Sutton Coldfield	River Tame	no	no	no	no	no	250m	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
N209	Site rear of 35-47 White Farm Road	Sutton Coldfield	River Tame	no	no	no	no	no	250m	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
N210	Garages rear of 25-35 White Farm Road	Sutton Coldfield	River Tame	no	no	500m	no	no	250m	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
N214	Site rear of 52- 54 Walsall Road	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	

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				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water											
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m							0.1 - 0.3m
N215	Vesey Close	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N216	Site rear of 38-40 Sherifoot Lane	Sutton Coldfield	River Tame	no	no	500m	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N217	Site Wilmcote Drive	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N218	Site and garages to rear of 1-20 Walsall Road	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N219	Site to rear of 42 & 44 Belwell Lane	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N220	Site to rear of 1-12 Clarence Road	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N221	Garages adjacent to 81 & 83 Sara Close	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	part	no	part	no	no	no	Very Low	no	no	no	no	Yes
N222	Garages adjacent to 76 & 78 Sara Close	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N225	Site and garages rear of 133 & 135 Gibbons Road	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N226	Site and garages adjacent 20-25 Farnborough Court	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	part	no	no	no	no	no	Very Low	no	no	no	no	Yes
N227	Site and garages adjacent 22 Coburn Drive	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N228	Garages rear of 76-78 Slade Road	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	part	no	part	no	no	no	Very Low	no	no	no	no	Yes
N229	Site corner of Belwell Lane & Four Oaks Road	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N232	Garages rear of 25-45 Romilly Close	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
N234	Site adjacent 7, 8, & 9 Eldon Drive	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
N235	Site adjacent 11,15 & 18 Trident Close	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
N236	Site and garages adjacent 59 Haunchwood Drive	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	part	part	no	no	no	N/A	no	no	no	no	no	Yes
N237	Site and garages rear of 35-57 Oversley Road	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	Yes
N238	Site and garages rear of 6-18 Anton Drive	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	part	no	no	no	no	no	Very High	no	no	no	no	Yes
N239	Site and garages rear of 106-122 Cheswood Drive	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	500m	no	no	No
N240	Site and garages adjacent 82 & 84 Cheswood Drive	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	500m	no	no	No
N241	Site adjacent 83 & 85 Lindridge Drive	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	No
N242	Site rear of 28-48 Cheswood Drive	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	part	no	no	no	no	no	High	no	no	no	no	Yes
N243	Site and garages adjacent 23-25 Thornley Grove	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	No
N244	Site and garages rear of 17-23 Lindridge Drive	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	part	no	no	no	no	no	Very High	no	no	no	no	Yes
N245	Site rear of 1-17 Oxstall Close	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	part	no	no	no	no	no	Low	no	no	no	no	Yes
N246	Site adjacent 14 Water Orton Lane	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	part	no	part	no	no	no	Low	no	no	no	no	Yes
N248	Site corner of Clifton Road and Park Road	Sutton Coldfield	River Tame	250m	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	Yes
N249	Site and garages rear of 14 Severn Court, Garrard Gardens	Sutton Coldfield	River Tame	250m	no	no	no	no	no	no	part	no	part	part	part	part	part	no	Very High	no	no	no	no	Yes
N250	Site and garages adjacent 1-52 Copsehill Court, Mount View	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	no	No
N251	Site and garages rear of 54-58 Mount View	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	part	no	no	no	no	no	Very Low	no	no	no	no	Yes
N252	Site and garages rear of 18-36 Whitehouse Court, Rectory Road	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	part	part	part	part	part	N/A	no	no	no	no	no	Yes
N253	Site and garages adjacent 42 Stourton Close	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	part	part	part	part	part	N/A	no	no	no	no	no	Yes
N254	Site and garages rear of 1-18 Charles Court, Wiggins Croft	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	part	no	no	no	no	N/A	no	no	no	no	no	Yes
N255	Site adjacent to 299 Reddicap Heath Road	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
N257	Site and garages rear of 143-149 Falcon Lodge Crescent	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N258	Site and garages rear of 28-38 Holbeche Road	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
N26	Royal Works Sutton Coldfield	Sutton Coldfield	River Tame	500m	no	500m	no	no	no	no	no	no	part	part	part	part	part	no	Low	no	no	no	yes	Yes
N260	Site and garages rear of 42 Newdigate Road	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
N261	53 Reddicap Hill	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	part	no	no	no	no	no	N/A	no	no	no	no	Yes
N262	481 Walsall Road, Perry Barr	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	500m	yes	Yes
N263	ADJACENT 311, ROTTON PARK ROAD	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N264	97 TO 101, HANDSWORTH WOOD ROAD	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	part	no	no	no	no	no	Very Low	no	no	no	no	Yes
N266	117, SOHO HILL	Ladywood	River Tame	no	no	no	no	no	250m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N267	COACH HOUSE, ADJ 35, HANDSWORTH WOOD ROAD	Perry Barr	River Tame	no	no	500m	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N268	56 TO 64, VILLA ROAD	Perry Barr	River Tame	no	no	500m	no	no	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N269	Waverhill Road	Ladywood	River Tame	no	250m	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N270	Waverhill Road	Ladywood	River Tame	no	250m	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes

Site Reference	Address	Constituency	Major Catchment	Sources of Flooding														Flood risk Management Measures			Over the	FRA Required		
				Historic Flooding within 250m or 500m						Predicted Flooding								Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences			Maintained Channel	
				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water											
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m							0.1 - 0.3m
N317	LAND ADJACENT 1, WYE CLIFF ROAD	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N318	84 TO 90, VILLA ROAD	Perry Barr	River Tame	no	no	500m	no	no	500m	no	no	no	no	part	no	no	no	no	Very Low	no	no	no	no	Yes
N319	LAND BETWEEN 46 AND 49, BARKER STREET	Perry Barr	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N32	ADJACENT 29, SOMERSET ROAD	Perry Barr	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N320	6, BUTLERS ROAD	Perry Barr	River Tame	no	no	no	500m	no	no	no	no	no	part	part	no	no	no	no	Very Low	no	no	no	no	Yes
N321	ADJACENT 140, CHURCH LANE	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N322	4A, GROSVENOR ROAD	Perry Barr	River Tame	no	no	no	500m	no	no	no	no	no	part	part	part	part	part	Moderate	no	no	no	no	no	Yes
N323	THE ENDWOOD PUBLIC HOUSE, HAMSTEAD ROAD	Perry Barr	River Tame	no	no	500m	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N324	REAR OF 82, HANDSWORTH WOOD ROAD	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N325	FORMER HAMSTEAD TENNIS CLUB, BUTLERS ROAD	Perry Barr	River Tame	no	no	no	500m	no	no	no	no	no	part	no	part	no	no	no	Very Low	no	no	no	no	Yes
N326	ADJACENT 49, ENGLESTEDE CLOSE	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	500m	no	No
N327	LAND AT PANNEL CROFT, HOSPITAL STREET	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	part	no	no	no	no	no	Very Low	no	no	no	no	Yes
N328	SITE OF WHEELERS TAVERN, WHEELERS STREET	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N329	KING OF THE ROAD PUBLIC HOUSE, HOSPITAL STREET	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	part	no	part	no	no	no	Very Low	no	no	no	no	Yes
N33	54 AND REAR OF 56 TO 64, VILLA ROAD	Perry Barr	River Tame	no	no	500m	no	no	500m	no	no	no	part	no	no	no	no	no	Very Low	no	no	no	no	Yes
N330	ADJACENT 4, BRECON ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N331	SITE OF 88, FINCH ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	part	no	no	no	no	no	Very Low	no	no	no	no	Yes
N332	LAND BETWEEN 21 TO 31, FINCH ROAD	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N333	ADJACENT 6, FREER ROAD	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N334	LAND CORNER OF, LOZELLS ROAD AND BERNERS STREET	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N335	LAND REAR OF 239 TO 263, BURBURY STREET	Perry Barr	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N336	14 TO 40, GORDON AVENUE	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N337	94 TO 112 AND 114 TO 132, ALMA WAY	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N338	2 TO 36, ALMA WAY	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	part	no	part	no	no	no	Very Low	no	no	no	no	Yes
N339	15 TO 45 AND CROSS GUNS P.H., GORDON AVENUE	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N34	11, MAXWELL AVENUE	Perry Barr	River Tame	no	no	250m	no	no	no	no	no	no	part	no	no	no	no	no	Very Low	no	no	no	no	Yes
N340	LAND OFF, CLIFFORD WALK	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N341	11 AND REAR OF 5 TO 9, HAVELOCK ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
N342	33 TO 41 AND REAR OF 25 TO 31, GROSVENOR ROAD	Perry Barr	River Tame	no	no	no	500m	no	no	no	no	no	no	part	no	no	no	no	Low	no	no	no	no	Yes
N343	REAR OF 35 TO 31, GROSVENOR ROAD	Perry Barr	River Tame	500m	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No
N344	ADJACENT TO 4, CALTHORPE ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	part	part	part	part	part	Very High	no	500m	500m	no	no	Yes
N345	124 TO 142, WELLINGTON ROAD	Perry Barr	River Tame	500m	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	500m	500m	no	No
N346	158, WELLINGTON ROAD	Perry Barr	River Tame	500m	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	High	no	500m	500m	no	No
N347	SITE OF TWEED TOWER, BIRCHFIELD ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	part	no	no	no	no	no	High	no	no	no	no	Yes
N348	SITE OF 5 TO 45, ASHCROFT GROVE	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
N349	CORNER OF, LIVINGSTONE ROAD AND WESTMINSTER ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	part	no	no	no	no	no	Very Low	no	no	no	no	Yes
N350	ADJACENT 229, CHURCH HILL ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N351	34 TO 36, TRINITY ROAD	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N352	LAND ADJACENT 221, BIRCHFIELD ROAD	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N353	REAR OF 39, LIVINGSTONE ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No
N354	CALDER TOWER, BIRCHFIELD ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No
N355	SITE OF 47 TO 77, BRIDGELANDS WAY	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No
N356	SITE OF 239, WALSALL ROAD	Perry Barr	River Tame	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	500m	250m	no	No
N357	278, WALSALL ROAD	Perry Barr	River Tame	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	500m	500m	no	No
N358	ADJACENT 55, CADDICK ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No
N359	LAND CORNER OF, BEECHES ROAD AND HASSOP ROAD	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	No
N360	ADJACENT 87, GRINDLEFORD ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	part	part	no	no	no	no	Very High	no	no	no	no	Yes
N361	BOOTH'S LANE	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	part	part	part	no	no	no	Moderate	no	no	no	yes	Yes

Site Reference	Address	Constituency	Major Catchment	Sources of Flooding														Flood risk Management Measures				Over the	FRA Required
				Historic Flooding within 250m or 500m						Predicted Flooding								Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences	Maintained Channel		
				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water										
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m						
N362	LAND BOUNDED BY, ALMA STREET AND MEWS WALK AND PORCHESTER STREET	Ladywood	River Tame	no	no	no	no	no	no	no	part	no	part	part	part	part	part	Low	no	no	no	yes	Yes
N363	147 TO 149, FENTHAM ROAD	Ladywood	River Tame	no	no	250m	no	no	no	no	no	no	no	part	no	no	no	High	no	no	no	no	Yes
N364	243, BEVINGTON ROAD	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N365	AND 260, ALBERT ROAD	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N366	LAND ADJACENT 61, CAMBORNE CLOSE	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N367	27 TO 41, NEW CROFT	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N368	SITE OF 43 TO 57, ALMA WAY	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N369	SITE OF 32 TO 46, RODWAY CLOSE	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N37	SITE OF 71 TO 77, LOZELLS ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N370	LAND CORNER OF, STONELEIGH ROAD AND ASTON LANE	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	part	no	no	no	no	Very High	no	no	no	no	Yes
N371	ADJACENT 77, BIRDBROOK ROAD	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	part	no	part	no	no	Very High	no	no	no	no	Yes
N372	257, KINGSTANDING ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N373	388, KINGSTANDING ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N374	LAND OFF, WITTON ROAD AND TAME ROAD	Perry Barr	River Tame	250m	no	250m	no	no	no	part	part	part	part	part	part	part	part	Very High	part	100m	100m	yes	Yes
N375	PARKHOUSE DRIVE AND FAULKNERS FARM DRIVE	Erdington	River Tame	no	no	no	no	no	no	no	no	no	part	part	part	no	no	Low	no	250m	100m	no	Yes
N376	3 TO 5, DANESBURY CRESCENT	Erdington	River Tame	no	no	250m	no	no	no	no	no	no	no	part	part	no	no	Moderate	no	no	no	no	Yes
N377	ADJACENT 1, COPPICE VIEW ROAD	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	part	no	no	no	no	Very Low	no	no	no	no	Yes
N378	ADJACENT 1, KNIGHTON ROAD	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N379	CORNER, LONG ACRE AND CROMPTON ROAD	Ladywood	River Tame	no	no	250m	no	no	no	part	part	part	yes	part	part	part	part	Very High	no	500m	250m	no	Yes
N38	NORTH BIRMINGHAM COLLEGE CAMPUS, ALDRIDGE ROAD	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	part	part	part	part	part	Very High	no	no	no	yes	Yes
N380	SITE OF 180 TO 184, MOUNT STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	250m	250m	no	No
N381	REAR OF 146, NECHELLS PARK ROAD	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	500m	250m	no	No
N382	LAND BETWEEN, DOVEDALE ROAD AND HURSTWOOD ROAD	Erdington	River Tame	500m	no	no	no	no	no	no	part	no	part	part	part	part	no	Very High	no	500m	100m	yes	Yes
N383	LAND BETWEEN, CAPILANO ROAD AND DOVEDALE ROAD	Erdington	River Tame	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	500m	500m	no	No
N384	LAND BETWEEN, CAPILANO ROAD AND DOVEDALE ROAD	Erdington	River Tame	250m	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	100m	100m	yes	Yes
N385	39 TO 149, DOVEDALE ROAD	Erdington	River Tame	250m	no	no	500m	no	no	no	part	no	part	part	no	part	no	Very High	no	100m	100m	yes	Yes
N386	ADJACENT PERRY COMMON SCHOOL, FRONTING ENDERBY ROAD	Erdington	River Tame	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	500m	250m	no	No
N387	REAR OF 481 TO 491, JOCKEY ROAD	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N388	16 AND 18, HEATHFIELD ROAD	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N389	571, CHESTER ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N39	ADJACENT 40, RIDGEWOOD GARDENS	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N390	SITE OF THE VICARAGE, CHURCH ROAD	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N391	REAR OF 30 TO 32, SYCAMORE ROAD	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	yes	part	part	part	Very Low	no	no	no	no	Yes
N392	REAR OF 22 TO 24, MELROSE AVENUE	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	part	no	no	no	no	Very Low	no	no	no	no	Yes
N393	155 TO 157, DUDLEY ROAD	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	part	no	no	no	no	Very Low	no	no	no	no	Yes
N394	43, EDGE HILL ROAD	Sutton Coldfield	River Tame	no	no	no	no	no	250m	no	no	no	part	no	no	no	no	Very Low	no	no	no	no	Yes
N395	4, EDGE HILL ROAD	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N396	138 TO 142, HAMSTEAD ROAD	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N397	33, WELLINGTON ROAD	Perry Barr	River Tame	no	no	no	250m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N398	107, LOZELLS ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N399	ABOVE 111 TO 113, THE PARADE	Sutton Coldfield	River Tame	500m	no	500m	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
N4	IPL Site	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	yes	Yes
N400	ABOVE 373, SOHO ROAD	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N401	ABOVE 69, WITTON ROAD	Ladywood	River Tame	no	no	250m	no	no	no	no	no	no	part	no	no	no	no	Low	no	no	no	no	Yes
N402	ABOVE 122, HAWTHORN ROAD	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N403	ADJ PEDDIMORE HALL, PEDDIMORE LANE	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	part	no	part	no	no	N/A	no	no	no	no	Yes
N404	ABOVE 382, ASTON LANE	Ladywood	River Tame	500m	no	250m	no	no	no	no	no	no	part	no	no	no	no	Very High	no	500m	500m	no	Yes
N405	35 TO 37, BIRCHFIELD ROAD	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No

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				Historic Flooding within 250m or 500m						Predicted Flooding								Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences			Maintained Channel
				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water										
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m						
N406	321TO 323, BIRMINGHAM ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
N407	REAR OF 148 TO 154, GREEN LANES	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N408	350 TO 356, BOLDMERE ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N409	124 TO 128, JOCKEY ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N410	REAR OF 21 TO 25, BRITWELL ROAD	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N411	LAND ADJACENT 189, STATION ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N412	REAR OF 216, BIRMINGHAM ROAD	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N413	2A, SOMERVILLE ROAD	Sutton Coldfield	River Tame	250m	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	Yes
N414	21 TO 23A, BIRMINGHAM ROAD	Sutton Coldfield	River Tame	500m	no	500m	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No
N415	10, DIGBY ROAD	Sutton Coldfield	River Tame	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N416	LAND AT, UPPER CLIFTON ROAD	Sutton Coldfield	River Tame	500m	no	250m	no	no	no	no	no	no	no	part	part	part	no	Low	no	no	no	yes	Yes
N417	LAND FRONTING, BRASSINGTON AVENUE	Sutton Coldfield	River Tame	250m	no	500m	no	no	no	no	no	no	no	part	part	part	no	Very High	no	no	no	yes	Yes
N418	LAND ADJACENT 26, MIDLAND ROAD	Sutton Coldfield	River Tame	500m	no	250m	no	no	no	no	no	no	no	part	no	no	no	Low	no	no	no	no	Yes
N419	PLOT 2, COOMBE PARK	Sutton Coldfield	River Tame	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N42	148A, ROSEMARY HILL ROAD	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
N420	BETWEEN 25 AND 29, BARKER ROAD	Sutton Coldfield	River Tame	250m	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N421	LAND CORNER OF, MERE GREEN ROAD AND LICHFIELD ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	part	part	part	no	Very Low	no	no	no	yes	Yes
N422	REAR OF 4A, LUTTRELL ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N423	ADJACENT 11, FOUR OAKS ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
N424	44, FOUR OAKS ROAD	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N425	LAND ADJOINING 14, LUTTRELL ROAD	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N426	188A, LICHFIELD ROAD	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	part	no	Very Low	no	no	no	no	Yes
N427	371 TO 379, LICHFIELD ROAD	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N428	383 TO 389, LICHFIELD ROAD	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
N429	ADJACENT 400, LICHFIELD ROAD	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N430	REAR OF 46 TO 48, HILL VILLAGE ROAD	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N431	REAR OF 28 TO 36, HILL VILLAGE ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N432	31 TO 33, BIRCHFIELD ROAD	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N433	79 TO 83, NINEVEH ROAD	Ladywood	River Tame	no	250m	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
N434	23, PARK AVENUE	Ladywood	River Tame	no	no	no	no	no	500m	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N435	79, LANSDOWNE ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N436	29, SOMERSET ROAD	Perry Barr	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N437	29, TRINITY ROAD	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N438	127, ALBERT ROAD	Ladywood	River Tame	no	no	250m	no	no	no	no	no	no	no	part	part	part	no	Very Low	no	no	no	no	Yes
N439	DOG AND PARTRIDGE P.H, WINDSOR STREET NORTH	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
N44	ADJACENT 8 TO 12, BOWLAS AVENUE	Sutton Coldfield	River Tame	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N440	100, HOLIFAST ROAD	Sutton Coldfield	River Tame	no	no	250m	250m	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	Yes
N441	61 AND 63, PENNS LANE	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N442	ADJACENT TO 27, WYLDE GREEN ROAD	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N443	22, SOUTH PARADE	Sutton Coldfield	River Tame	500m	no	250m	no	no	no	no	no	no	part	part	no	no	no	High	no	no	no	no	Yes
N444	BETWEEN 70 AND 72, REDDICAP HILL	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
N445	REAR OF 201 TO 203, COLES LANE	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	Yes
N446	39 AND 41, ANCHORAGE ROAD	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N447	69, COLESHILL STREET	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N448	24, COLESHILL ROAD	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	part	no	no	no	Low	no	no	no	no	Yes
N449	ADJACENT 47, LITTLE SUTTON LANE	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	part	part	no	no	Low	no	no	no	no	Yes
N45	40 TO 44, MULROY ROAD	Sutton Coldfield	River Tame	500m	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N450	CORNER WITH WYVERN ROAD, LICHFIELD ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes

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				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water										
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m						
N451	90, LICHFIELD ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	no	Yes
N452	32, HIGH STREET	Sutton Coldfield	River Tame	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N453	LAND ADJACENT 20, MOOR HALL DRIVE	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N454	SITE ABOVE 165, DUDLEY ROAD	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N455	LAND BETWEEN AND TO REAR 51 AND 55, FOX HOLLIES ROAD	Sutton Coldfield	River Tame	no	no	250m	500m	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	Yes
N456	303, PENNS LANE	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	part	part	part	part	Moderate	no	no	no	no	Yes
N457	1 AND 3, WALMLEY ASH ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	Low	no	no	no	no	Yes
N458	35 TO 39, REDDICAP HEATH ROAD	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N459	ADJACENT 1 TO 3, GANNAHS FARM CLOSE	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
N46	LAND ADJACENT 8, LUTTRELL ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N460	44, BEDFORD DRIVE	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
N461	ADJACENT 260, RECTORY ROAD	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No
N462	276 AND 278, RECTORY ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
N463	REAR OF 264 TO 268, RECTORY ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No
N464	REAR OF 67, HOLLYFIELD ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No
N465	LAND REAR OF 3 TO 16, ST CHADS ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	no	Yes
N466	227, TAMWORTH ROAD	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N467	LAND REAR OF 90 TO 104, LINDRIDGE ROAD	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	part	no	no	no	Low	no	no	no	no	Yes
N468	LAND SOUTH OF, DUTTONS LANE	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	yes	Yes
N469	FRONTING, HARVEST FIELDS WAY	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N47	71, HILL VILLAGE ROAD	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	no	no	no	Yes
N470	REAR OF 34 TO 40, MARLPIT LANE	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	no	Yes
N471	ADJACENT 39, THE RIDDINGS	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	No
N472	ADJACENT 163, WALMLEY ASH ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	No
N473	ADJACENT TO 245, SPRINGFIELD ROAD	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No
N474	LAND ADJACENT 298, LINDRIDGE ROAD	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N475	ADJACENT 46, FOWLER ROAD	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
N476	83 TO 89, WATER ORTON LANE	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	part	part	no	no	no	Very High	part	no	no	no	Yes
N477	ADJACENT HYANNIS, OLD KINGSBURY ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	Moderate	no	no	no	no	Yes
N478	LAND ADJACENT 1A, OLD KINGSBURY ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
N479	LAND ADJACENT 1300, KINGSBURY ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No
N48	LAND FRONTING, HILLCREST ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N480	BULLS LANE	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
N481	15, CARLTON AVENUE	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N482	STABLE ADJ. 107, LICHFIELD ROAD	Sutton Coldfield	River Tame	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N483	251, EACHELHURST ROAD	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very High	no	no	no	no	Yes
N484	36, ALBERT ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	no	Yes
N485	124, BEECHES ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
N486	294, CLARENCE ROAD	Sutton Coldfield	River Tame	no	no	no	no	no	250m	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N487	9A, KINGS ROAD	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
N488	8, HIGH STREET	Sutton Coldfield	River Tame	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N489	107, FINCH ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N490	City Hospital site off Aberdeen Street	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	part	no	Very Low	no	no	no	yes	Yes
N491	Electricity sub station, Roslin Grove	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
N492	161 to 211 Birchfield Road	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N493	Adj. Crown & Cushion, Wellington Road	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very High	no	500m	500m	no	Yes
N54	Radnor Road	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N56	St George's Park	Perry Barr	River Tame	no	no	250m	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes

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				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water											
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	1 in 30	>0.3m							
N57	Nursey Rd Church St	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	no	Very Low	no	no	no	no	Yes
N58	Naden Road	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N59	North Newtown site 3	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N60	Porcester Drive 2	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N61	North Newtown Area 2 Site 1A	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	part	no	no	no	no	no	Very Low	no	no	no	no	Yes
N62	North Newtown Area 2 Site 1B	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N63	North Newtown Area 2 site 2	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N65	North Newtown Area 2 site 4	Ladywood	River Tame	no	no	no	no	no	no	part	no	part	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N66	North Newtown Area 2 site 5	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N67	North Newtown Area 2 Opp1	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	part	no	no	no	no	no	Very Low	no	no	no	no	Yes
N68	Ebrooke Road	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	part	no	no	no	no	no	Moderate	no	no	no	no	Yes
N69	240A, HIGHBRIDGE ROAD	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
N7	Friary Gardens	Perry Barr	River Tame	no	no	250m	250m	no	no	no	no	no	no	part	no	no	no	no	Very Low	no	no	no	no	Yes
N70	Farm Street 52	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N72	Norbury Road (adj 6)	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N73	Pakfield Walk (adj 8)	Ladywood	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	Yes
N74	Rectory Road	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No
N77	125-129 Wattville Road	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N79	Douglas Road site A	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N8	Park Hill/Hamstead Hill	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	500m	no	No
N80	Douglas Road site B	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	part	part	no	no	no	no	Very Low	no	no	no	no	Yes
N83	Baccus Road	Ladywood	River Tame	no	500m	no	no	no	no	no	no	no	no	part	no	no	no	no	Very Low	no	no	no	no	Yes
N9	Wellington Road, Aston	Perry Barr	River Tame	500m	no	no	500m	no	no	no	no	no	part	part	part	part	part	part	Very High	part	250m	250m	yes	Yes
N92	Wellhead Lane	Perry Barr	River Tame	no	no	250m	no	no	no	no	no	no	no	part	no	no	no	no	Very High	no	500m	500m	yes	Yes
N93	Aberdeen Street	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N94	Honeswode Close	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N95	Mere Green Road	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	part	no	no	no	no	Very Low	no	no	no	no	Yes
N96	Tudor Close, Sutton	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N97	Site adjacent 164 Bridge Street West	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N98	Site corner of Alma Street & Newbury Road	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
N99	136-152 Victoria Road	Ladywood	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
S10	Selly Oak Hospital, Raddlebarn Road	Selly Oak	River Rea	no	no	500m	no	250m	no	no	no	no	no	no	part	part	no	no	Very High	no	no	no	yes	Yes
S100	Battery Retail Park, Chapel Lane	Selly Oak	River Rea	no	no	no	no	500m	no	no	no	no	part	part	part	part	part	part	Very High	no	500m	500m	yes	Yes
S102	21 Merritts Brook Lane	Northfield	River Rea	250m	no	no	no	no	no	no	part	no	part	part	part	part	no	no	Very Low	no	no	no	no	Yes
S103	The Beeches PH, Basil Road	Northfield	River Rea	250m	no	500m	no	no	no	no	no	no	no	part	no	no	no	no	Low	no	no	no	no	Yes
S104	623 Bristol Road South and land to the rear of.	Northfield	River Rea	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
S106	Land to the rear of 50-138 Brinklow Road	Edgbaston	River Rea	250m	no	no	no	no	no	part	part	part	part	part	part	part	part	part	Very Low	no	100m	100m	yes	Yes
S107	California Pentecostal Church adjoining 176 Stonehouse Lane	Edgbaston	River Rea	250m	500m	no	no	no	no	no	no	no	part	part	part	no	no	no	Very High	no	100m	500m	no	Yes
S108	Land to the rear of 132-176 Stonehouse Lane	Edgbaston	River Rea	250m	500m	no	no	no	no	part	part	part	part	part	part	part	part	part	Very High	no	100m	500m	no	Yes
S109	Land fronting 17-35 Stonebrook Way	Edgbaston	River Rea	250m	500m	no	no	no	no	no	part	part	part	part	part	part	part	part	Very Low	no	100m	100m	yes	Yes
S11	Cadnam Close	Edgbaston	River Rea	250m	250m	500m	no	no	no	no	part	part	part	part	part	no	part	no	Very Low	no	no	500m	no	Yes
S110	141-145 Barnes Hill	Edgbaston	River Rea	500m	250m	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	250m	no	no	Yes
S111	Land adjacent to 167 Barnes Hill	Edgbaston	River Rea	500m	500m	no	no	no	no	no	no	no	no	part	no	no	no	no	N/A	no	250m	no	no	Yes
S112	21 Cufford Drive	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No
S113	167 Jiggins Lane	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
S114	Coopers Arms, adjacent to 10 Bean Croft	Edgbaston	River Rea	no	250m	250m	no	no	no	no	no	no	no	part	no	no	no	no	Moderate	no	no	no	no	Yes
S116	1-7 Swinford Road	Edgbaston	River Rea	250m	250m	500m	no	no	no	no	part	yes	yes	part	no	no	no	no	Very Low	no	no	100m	no	Yes
S117	55, 61 Stevens Avenue, rear of 2-58 Simcox Gardens	Edgbaston	River Rea	no	250m	500m	no	no	no	no	no	no	no	part	part	part	no	no	Moderate	no	500m	no	yes	Yes

Site Reference	Address	Constituency	Major Catchment	Sources of Flooding														Flood risk Management Measures			Over the	FRA Required	
				Historic Flooding within 250m or 500m						Predicted Flooding								Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences			Maintained Channel
				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water										
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m						
S118	Land adjacent to 17 Jiggins Lane	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No
S119	Land adjacent to 35 Willow Coppice	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No
S12	Alwold Road, Weoley Castle	Edgbaston	River Rea	250m	250m	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	250m	500m	no	Yes
S120	Land to the rear of 713-735 Millpool South Road	Selly Oak	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
S121	Land to the rear of 9-49 Ravenshill Road	Selly Oak	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No
S124	Land to the rear of 64-128 Charlotte Road	Selly Oak	River Rea	500m	no	250m	no	250m	500m	no	no	no	no	part	part	part	no	High	no	500m	500m	yes	Yes
S126	Land adjacent to 177 Dawberry Fields Road	Selly Oak	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
S127	Land adjacent to 41-43 Millbrook Road	Selly Oak	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No
S128	Druids Lane site, Druids Heath	Selly Oak	River Cole	no	no	250m	250m	no	no	no	part	no	part	part	part	part	no	Very High	no	no	no	yes	Yes
S129	2-100 Leasow Drive & land to the rear of.	Edgbaston	River Rea	no	500m	no	no	no	no	no	part	no	part	part	part	part	no	Very Low	no	250m	100m	yes	Yes
S13	The Oaklands, Weather Oaks	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
S133	1-2 Wheeleys Road	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	part	part	part	no	Very Low	no	no	no	no	Yes
S134	16 Frederick Road	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
S135	26 Highfield Road	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
S136	Land Adjacent to 76 Farquhar Road	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	yes	Yes
S137	29 Harrisons Road	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
S138	Land facing 40-62 Richmond Hill Road	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	yes	Yes
S140	23-27 Woodbourne Road & land to the rear of	Edgbaston	River Rea	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
S141	308-330 Pershore Road	Edgbaston	River Rea	no	no	500m	no	no	no	no	no	part	part	part	no	part	no	Very High	no	no	250m	yes	Yes
S142	Land adjacent to 16 Straut Close	Edgbaston	River Rea	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
S143	Land adjacent to 12 Northfield Road	Edgbaston	River Rea	no	no	250m	no	no	no	no	no	no	no	part	part	no	no	Very Low	no	no	no	no	Yes
S144	Land adjacent to 59 Queens Park Road	Edgbaston	River Rea	250m	no	250m	no	no	250m	no	no	no	no	no	no	no	no	Very Low	no	no	no	yes	Yes
S146	3 Serpentine Road	Edgbaston	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
S147	5-64 Cross Farm Road & land to the rear of.	Edgbaston	River Rea	no	250m	500m	no	no	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	yes	Yes
S148	Land to the rear of The Green Man PH, Metchley Lane	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
S149	Land adjacent to 25 Woodbourne Road	Edgbaston	River Rea	no	no	500m	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
S150	322-332 Hagley Road	Edgbaston	River Rea	no	500m	250m	no	no	no	no	no	no	no	part	part	part	no	Very Low	no	no	no	yes	Yes
S151	Land adjacent to 270 Hagley Road	Edgbaston	River Tame	no	no	500m	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
S152	Land adjacent to 296 Hagley Road	Edgbaston	River Tame	no	500m	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
S153	188 Robin Hood Lane	Hall Green	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No
S154	Land To the rear of 5-29 Doveridge Road	Hall Green	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	Yes
S155	Land adjacent to 2 Wycome Road	Hall Green	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
S156	1320 Stratford Road	Hall Green	River Cole	500m	no	no	500m	no	no	no	no	no	no	part	no	no	no	High	no	no	no	no	Yes
S157	42 York road and land adjacent to.	Hall Green	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
S158	293-313 Shaftmoor Lane	Hall Green	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No
S159	205-207 Lakey Lane	Hall Green	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
S16	1292 TO 1294, BRISTOL ROAD SOUTH	Northfield	River Rea	250m	no	250m	no	no	500m	no	no	no	no	no	no	no	no	Very High	no	500m	500m	no	Yes
S160	Land to the rear of 15-87 Cateswell Road	Hall Green	River Cole	no	no	no	no	no	no	no	no	no	no	part	part	part	no	Very High	no	no	no	yes	Yes
S161	23-31 Baldwins Lane	Hall Green	River Cole	no	no	500m	no	no	no	no	no	no	no	part	no	part	no	High	no	no	no	no	Yes
S162	Kings Norton Estate (2)	Northfield	River Rea	no	no	500m	no	no	no	no	no	no	no	part	part	part	part	Very High	no	no	no	yes	Yes
S165	Kings Norton Estate (1)	Northfield	River Rea	no	no	250m	no	no	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	yes	Yes
S17	REAR OF 251 TO 277, ALVECHURCH ROAD	Northfield	River Rea	250m	500m	no	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	no	Yes
S172	Land adjacent to 39 Camp Lane	Northfield	River Rea	250m	no	250m	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	100m	no	Yes
S173	108 Wharf Road	Northfield	River Rea	500m	no	500m	no	no	no	no	no	no	no	part	part	part	no	N/A	no	no	no	no	Yes
S176	Land facing 6-10 Farnbury Croft	Northfield	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
S179	1401& 1405-1409 Bristol Road South	Northfield	River Rea	500m	no	no	no	no	no	no	no	no	no	part	no	no	no	Very High	no	250m	500m	no	Yes
S181	Land to the rear of 97-171 Kendal Rise Avenue	Northfield	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	yes	Yes
S182	Land adjacent to 317 Leach Green Lane	Northfield	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No

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				Historic Flooding within 250m or 500m						Predicted Flooding							Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences	Maintained Channel			
				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water										
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	1 in 30							>0.3m
S183	Land to the rear of 17-25 Wyre Close	Northfield	River Rea	250m	250m	no	no	no	no	no	no	no	no	part	part	part	part	Very High	no	no	250m	no	Yes
S184	Land to the rear of 1-19 Balaams Wood Drive	Northfield	River Rea	250m	250m	no	no	no	no	no	no	no	no	part	part	part	part	Very High	no	no	250m	no	Yes
S185	Land adjacent to 1 Sandhurst Road	Hall Green	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
S186	Land adjacent to 8 Alcester Road	Hall Green	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	Yes
S187	The Jug of Ale PH, 1 Park Road	Hall Green	River Rea	no	no	500m	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
S188	100-106 Alcester Road	Hall Green	River Cole	no	no	500m	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
S189	Land adjacent to 4 Valentine Road	Hall Green	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
S19	5, BLAKENEY AVENUE	Edgbaston	River Rea	no	no	250m	500m	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	no	Yes	
S190	66-70 Woodfield Road	Hall Green	River Cole	no	no	250m	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
S191	Land adjacent to 24 Sandhurst Road	Hall Green	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
S192	Land adjacent to 6 Moor Green Lane	Hall Green	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
S193	42-44 Highbury Road	Hall Green	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No
S194	123-131 Billesley Lane	Hall Green	River Cole	no	no	250m	no	no	no	no	no	no	no	part	part	part	Low	no	no	no	no	Yes	
S195	Land adjacent to 91 Billesley Lane	Hall Green	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
S196	Land adjacent to 14-21 Ashdown Close	Hall Green	River Cole	no	no	500m	no	no	no	no	no	no	part	no	part	no	Very Low	no	no	no	no	Yes	
S197	124-132 Arderton Park Road	Hall Green	River Cole	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
S198	Land to the rear of 5-7 Parkhill	Hall Green	River Rea	no	no	500m	500m	no	no	no	no	no	part	no	no	no	no	Very Low	no	no	no	no	Yes
S199	42 Westfield Road	Hall Green	River Rea	no	no	250m	no	no	no	no	no	no	part	no	no	no	High	no	no	no	no	Yes	
S2	5-15 Alcester Road South	Hall Green	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No	
S20	85 AND LAND TO REAR, WOODLEIGH AVENUE	Edgbaston	River Rea	no	250m	no	no	no	no	no	no	no	part	part	part	no	Very Low	no	no	no	no	Yes	
S200	Land adjacent to 30 Howard Road East	Hall Green	River Cole	500m	500m	500m	no	no	250m	no	no	no	no	no	no	no	no	Very High	no	no	no	no	Yes
S202	Land to the rear of 115-139 The Fordrough	Northfield	River Rea	250m	250m	500m	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	Yes	
S203	Land to the rear of 2-87 Station Road	Northfield	River Rea	250m	250m	500m	no	no	250m	no	part	part	part	part	part	part	Very High	part	500m	100m	no	Yes	
S204	Land to the rear of 1-15 Coney Green Drive	Northfield	River Rea	500m	250m	500m	no	no	250m	no	no	no	no	part	no	no	N/A	no	500m	100m	no	Yes	
S205	34-36 The Mill Walk	Northfield	River Rea	500m	250m	250m	no	no	250m	no	no	no	no	no	no	no	N/A	no	500m	250m	no	Yes	
S206	23 Hampton Court Road	Edgbaston	River Rea	500m	no	500m	no	no	500m	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
S207	Land to the rear of 6-24 Clive Road	Edgbaston	River Rea	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
S211	Land adjacent to 460 Ridgacre Road West	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
S212	Land adjacent to 7 Lower White Road	Edgbaston	River Rea	no	no	250m	no	no	500m	no	no	no	no	part	no	part	no	Very Low	no	no	no	no	Yes
S213	Land to the rear of 2-22 Blandford Road	Edgbaston	River Rea	500m	no	500m	no	no	500m	no	no	no	no	part	part	part	no	Very Low	no	no	no	yes	Yes
S214	817-829 Hagley Road West	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
S215	Welby Road Hall Green	Hall Green	River Cole	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very High	no	no	no	no	Yes
S216	61, HIGH STREET (OVER)	Edgbaston	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
S217	977, BRISTOL ROAD SOUTH	Northfield	River Rea	500m	250m	no	no	no	250m	no	no	no	no	part	part	part	part	Very Low	no	no	no	no	Yes
S218	189, DAWLISH ROAD	Selly Oak	River Rea	no	no	no	no	500m	no	no	no	no	no	part	part	no	no	Very High	no	no	no	no	Yes
S219	859, STRATFORD ROAD	Hall Green	River Cole	250m	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very High	part	no	no	no	Yes
S22	LAND FRONTING, MALT CLOSE	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
S220	719, BRISTOL ROAD SOUTH	Northfield	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
S221	North Worcestershire Golf Club	Northfield	River Rea	250m	no	500m	250m	no	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	yes	Yes
S222	Franklin House, Bournville Lane	Selly Oak	River Rea	500m	no	250m	no	250m	no	no	no	no	no	no	no	no	no	High	no	250m	250m	no	Yes
S223	BIRMINGHAM BATTERY SITE, OFF HARBORNE LANE	Selly Oak	River Rea	no	no	no	no	500m	no	no	part	part	part	part	part	part	no	High	no	100m	100m	yes	Yes
S224	FORMER MG ROVER WORKS, BRISTOL ROAD SOUTH	Northfield	River Rea	no	no	no	no	no	no	part	part	part	part	part	part	part	no	Very High	part	100m	100m	yes	Yes
S225	8 TO 38; 2,4,22,24, WESTCOTE AVENUE	Northfield	River Rea	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
S226	8 TO 38; 2,4,22,24, WESTCOTE AVENUE	Northfield	River Rea	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
S227	BETWEEN FROGMILL ROAD AND, LOWER BEECHES ROAD	Northfield	River Rea	500m	250m	no	no	no	no	no	no	no	no	part	no	part	no	N/A	no	no	no	no	Yes
S228	BETWEEN FROGMILL ROAD AND, LOWER BEECHES ROAD	Northfield	River Rea	no	250m	no	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	no	Yes
S229	BETWEEN FRANKLEY BEECHES ROAD AND, GORSYMEAD GROVE	Northfield	River Rea	no	500m	no	500m	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
S23	186, HARBORNE ROAD	Edgbaston	River Rea	no	no	no	no	no	no	no	part	no	part	part	part	no	no	Very Low	no	no	no	no	Yes

Site Reference	Address	Constituency	Major Catchment	Sources of Flooding														Flood risk Management Measures			Over/ha	FRA Required	
				Historic Flooding within 250m or 500m						Predicted Flooding								Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences			Maintained Channel
				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water										
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m						
S230	BETWEEN FROGMILL ROAD AND, LOWER BEECHES ROAD	Northfield	River Rea	no	250m	no	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	yes	Yes
S231	LOWER BEECHES ROAD	Northfield	River Rea	no	500m	no	500m	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	yes	Yes
S232	LOWER BEECHES ROAD	Northfield	River Rea	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
S233	BETWEEN RAVEN HAYES ROAD AND GORSYMEAD GROVE	Northfield	River Rea	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
S234	BETWEEN GORSYMEAD GROVE AND TESSALL LANE	Northfield	River Rea	no	500m	no	500m	no	no	no	no	no	no	part	no	part	no	N/A	no	no	no	yes	Yes
S235	BETWEEN 391 AND 399, TESSALL LANE	Northfield	River Rea	no	500m	no	500m	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
S236	LAND CORNER OF, TESSALL LANE AND RAVEN HAYES ROAD	Northfield	River Rea	no	500m	no	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	500m	no	Yes
S237	LOWER BEECHES ROAD	Northfield	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
S238	LOWER BEECHES ROAD	Northfield	River Rea	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	yes	Yes
S239	RAVENHAYES ROAD	Northfield	River Rea	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
S24	184, HARBORNE ROAD	Edgbaston	River Rea	no	no	no	no	no	no	no	part	no	part	part	no	no	no	Very Low	no	no	no	no	Yes
S240	BETWEEN FROGMILL ROAD AND, LOWER BEECHES ROAD	Northfield	River Rea	no	500m	no	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	no	Yes
S241	451 TO 471, TESSALL LANE	Northfield	River Rea	500m	250m	no	no	no	no	no	no	no	no	part	no	part	no	N/A	no	no	500m	no	Yes
S242	CORNER OF EGGHILL LANE AND, LOWER BEECHES ROAD	Northfield	River Rea	no	500m	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
S243	SITE OF CONWAY HOUSE AND BEAUMARIS HOUSE, MERRITTS HILL	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
S244	SITE OF RADNOR HOUSE, MERRITTS HILL	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
S245	170 TO 204, CROMWELL LANE	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	250m	no	no	no	No
S246	SITE OF SOUTERS HOUSE, GRAZEBROOK CROFT	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	500m	no	no	no	No
S247	SITE OF BROADMEADOW HOUSE AND BARTLEY HOUSE, PENRITH CROFT	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	part	no	no	no	High	no	250m	no	no	no	Yes
S248	FORMER LAPPATH HOUSE, DELLA DRIVE	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	no	no	no	No
S249	SITE OF NEAR OAK HOUSE, DELLA DRIVE	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	part	part	part	part	N/A	no	500m	no	no	no	Yes
S250	LAND ADJACENT 244, JIGGINS LANE	Edgbaston	River Rea	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very High	no	500m	no	no	no	No
S251	EAST WORKS, GROVELEY LANE	Northfield*	River Rea	no	no	no	no	no	500m	no	no	no	no	part	part	part	part	Low	no	no	no	yes	Yes
S252	350, GROVELEY LANE	Northfield	River Rea	no	no	no	no	no	250m	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
S253	1 TO 75 (incl. 153 THURLESTONE RD), THELBRIDGE ROAD	Northfield	River Rea	no	500m	no	no	no	250m	no	no	no	no	no	no	no	Low	no	500m	500m	yes	Yes	
S254	NORTH WORKS, LONGBRIDGE LANE	Northfield	River Rea	250m	250m	no	no	no	no	part	part	part	part	part	part	part	Very High	part	100m	100m	yes	Yes	
S255	NORTH WORKS, BRISTOL ROAD SOUTH	Northfield	River Rea	250m	250m	no	no	no	500m	part	part	part	part	part	part	part	High	part	100m	100m	yes	Yes	
S256	LAND BETWEEN, CENTRAL AVENUE AND CONEY GREEN DRIVE	Northfield	River Rea	250m	500m	500m	no	no	no	no	no	no	no	no	no	no	N/A	no	250m	250m	no	Yes	
S257	BUCKINGHAM HOUSE, TURVES GREEN	Northfield	River Rea	500m	500m	500m	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	500m	yes	Yes	
S258	LAND FRONTING, LONGBRIDGE LANE	Northfield	River Rea	250m	500m	250m	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	Yes	
S259	LAND REAR OF 20 AND 22, COOMBES LANE	Northfield	River Rea	500m	250m	250m	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	Yes	
S26	1040, PERSHORE ROAD	Selly Oak	River Rea	250m	no	no	no	no	no	no	no	no	no	part	no	part	no	N/A	no	500m	250m	no	Yes
S260	REAR OF 33 TO 47, AUSTIN RISE	Northfield	River Rea	500m	250m	250m	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	no	Yes
S261	1108, BRISTOL ROAD SOUTH	Northfield	River Rea	250m	250m	500m	no	no	250m	no	no	no	no	part	part	part	no	Low	no	500m	500m	no	Yes
S262	MILL LANE	Northfield	River Rea	250m	250m	500m	no	no	250m	part	part	part	part	part	part	no	High	part	500m	100m	yes	Yes	
S263	LAND AT, LEY HILL FARM ROAD	Edgbaston	River Rea	500m	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	yes	Yes	
S264	LAND AT, LEY HILL FARM ROAD AND HOLLOWAY	Edgbaston	River Rea	250m	no	no	no	no	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	yes	Yes
S265	LAND BETWEEN HOLLOWAY AND RHAYADER ROAD FRONTING, LEY HILL FARM ROAD	Edgbaston	River Rea	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S266	LAND FRONTING, CABAN CLOSE AND LEY HILL FARM ROAD	Edgbaston	River Rea	500m	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
S267	27, SHENLEY LANE	Edgbaston	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S268	67 TO 81, MOORS LANE	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	250m	no	no	No	
S269	87 TO 113, MOORS LANE	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	250m	no	no	No	
S270	80, RIDGACRE ROAD	Edgbaston	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	yes	Yes	
S271	ADJACENT TO 78, RILSTONE ROAD	Edgbaston	River Rea	500m	no	500m	no	no	500m	no	no	no	no	part	part	part	no	Very Low	no	no	no	no	Yes
S272	136 AND 138, TENNAL ROAD	Edgbaston	River Rea	250m	no	250m	no	no	250m	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
S273	ADJ. 85, REDHILL ROAD	Northfield	River Rea	250m	250m	500m	500m	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	Yes	
S274	85, ALVECHURCH ROAD	Northfield	River Rea	500m	500m	500m	250m	no	no	no	no	no	no	no	no	no	N/A	no	no	no	yes	Yes	
S275	LAND ADJACENT 44, STATION ROAD	Northfield	River Rea	250m	250m	500m	no	no	250m	no	part	part	part	no	no	no	Very High	no	500m	100m	no	Yes	

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				Historic Flooding within 250m or 500m						Predicted Flooding								Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences			Maintained Channel
				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water										
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m						
S276	LAND REAR OF 120 TO 122, CHATHAM ROAD	Northfield	River Rea	500m	500m	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No
S277	142, MAAS ROAD	Northfield	River Rea	no	500m	no	no	no	500m	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
S278	77, WOODLAND ROAD	Northfield	River Rea	250m	500m	500m	no	no	500m	no	no	no	no	no	no	no	N/A	no	no	250m	no	Yes	
S279	LAND OFF, BLACK HAYNES ROAD AND BURDOCK ROAD	Northfield	River Rea	500m	no	no	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	no	no	yes	Yes
S280	620A, BRISTOL ROAD SOUTH	Northfield	River Rea	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S281	ADJACENT 47, BELL LANE	Northfield	River Rea	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S282	124 TO 142, BURNEL ROAD	Edgbaston	River Rea	250m	500m	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	250m	100m	no	Yes	
S283	SITE OF THE RAVEN PUBLIC HOUSE, CASTLE ROAD	Northfield	River Rea	no	250m	250m	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	500m	500m	no	Yes
S284	ADJACENT 9, TENNAL ROAD	Edgbaston	River Rea	no	no	250m	no	no	no	no	no	no	no	part	no	no	Very Low	no	no	no	no	Yes	
S285	LAND BOUNDED BY, HIGH STREET AND HARBORNE PARK ROAD	Edgbaston	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S286	REAR OF 42, HAMILTON AVENUE	Edgbaston	River Rea	no	no	500m	500m	no	no	no	no	no	no	part	no	no	Very Low	no	no	no	no	Yes	
S287	69, HAMILTON AVENUE	Edgbaston	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S288	REAR OF 17, GILLHURST ROAD	Edgbaston	River Rea	no	no	500m	250m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
S289	431 TO 435, HAGLEY ROAD	Edgbaston	River Rea	no	500m	250m	no	no	no	no	no	no	no	part	no	no	Very Low	no	no	no	no	Yes	
S29	ADJACENT 163, COLE VALLEY ROAD	Hall Green	River Cole	500m	no	no	500m	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
S290	WEST HEATH HOSPITAL, REDNAL ROAD	Northfield	River Rea	500m	250m	500m	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	yes	Yes	
S291	26 TO 92, GRANGE FARM DRIVE	Northfield	River Rea	no	250m	500m	no	no	no	no	no	no	no	part	no	no	N/A	no	no	no	yes	Yes	
S292	ADJACENT 19, ANNSCROFT	Northfield	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	N/A	no	250m	250m	no	No	
S293	REAR OF 33A TO 39, BUNBURY ROAD FRONTING LINDSEY AVENUE	Selly Oak	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	500m	no	No	
S294	LAND ADJACENT 14, MIDDLETON GRANGE	Selly Oak	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	500m	no	No	
S295	REAR OF 153, MIDDLETON HALL ROAD	Selly Oak	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	500m	no	No	
S296	BETWEEN 12 AND 38, OVERBURY ROAD	Selly Oak	River Rea	no	500m	no	no	no	no	no	no	no	no	no	no	no	N/A	no	250m	250m	no	Yes	
S297	ADJACENT 60, OVERBURY ROAD	Selly Oak	River Rea	500m	500m	no	no	no	no	no	no	no	no	part	part	part	N/A	no	500m	500m	no	Yes	
S298	BETWEEN 32 AND 58, INGOLDSBY ROAD	Selly Oak	River Rea	no	500m	no	no	no	no	no	no	no	no	part	no	no	N/A	no	250m	250m	no	Yes	
S299	CORNER OF INGOLDSBY ROAD AND, OVERBURY ROAD	Selly Oak	River Rea	no	no	no	no	no	no	no	no	no	no	part	part	no	N/A	no	500m	250m	no	Yes	
S3	The Princess Royal Centre	Edgbaston	River Rea	no	no	500m	no	500m	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S300	SITE OF 64 TO 74, LONGFELLOW ROAD	Selly Oak	River Rea	no	no	no	no	no	no	no	no	no	no	part	part	no	N/A	no	250m	250m	no	Yes	
S301	BOURNVILLE COLLEGE SITE, BRISTOL ROAD SOUTH	Northfield	River Rea	250m	no	250m	no	no	no	no	no	no	no	no	no	no	N/A	no	250m	250m	yes	Yes	
S302	142, WEOLEY PARK ROAD	Northfield	River Rea	no	250m	250m	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	250m	no	Yes	
S303	LAND REAR OF 36 TO 60, LODGE HILL ROAD	Selly Oak	River Rea	no	250m	500m	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	Yes	
S304	245 to 247, HARBORNE LANE	Selly Oak	River Rea	500m	500m	no	no	no	no	part	part	part	part	part	part	part	Very Low	no	500m	250m	no	Yes	
S305	ABOVE 12, VINCENT DRIVE	Edgbaston	River Rea	no	500m	no	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	500m	no	No	
S306	FORMER GOLDEN CROSS PUBLIC HOUSE, METCHLEY LANE	Edgbaston	River Rea	no	500m	no	no	no	no	no	no	no	no	part	part	part	Very Low	no	no	500m	no	Yes	
S307	ADJACENT 7, WENTWORTH GATE	Edgbaston	River Rea	500m	no	250m	no	no	no	no	no	no	no	part	no	no	Very Low	no	no	no	no	Yes	
S308	LAND ADJACENT 1, ST JOHNS ROAD	Edgbaston	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S309	278 TO 286, HIGH STREET	Edgbaston	River Rea	no	no	250m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
S31	REAR OF 16, WOODGATE LANE	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No	
S310	SITE OF 8 TO 22, HARBORNE PARK ROAD	Edgbaston	River Rea	no	no	250m	no	no	no	no	no	no	no	part	no	no	Very Low	no	no	no	no	Yes	
S311	LAND ADJACENT 51, HARBORNE PARK ROAD	Edgbaston	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S312	ADJACENT 34, BANTOCK WAY	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S313	LAND REAR OF 140 TO 146, RAVENHURST ROAD	Edgbaston	River Rea	250m	no	250m	no	no	no	no	no	no	no	part	no	no	Very Low	no	no	no	no	Yes	
S314	LAND OFF, RAVENHURST ROAD	Edgbaston	River Rea	500m	no	250m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
S315	PORTLAND CENTRE, PORTLAND ROAD	Edgbaston	River Tame	no	250m	500m	no	no	no	no	no	no	no	part	no	no	Very Low	no	no	no	yes	Yes	
S316	128, PORTLAND ROAD	Edgbaston	River Tame	no	no	500m	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S317	278, HAGLEY ROAD	Edgbaston	River Tame	no	no	500m	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S318	323 TO 327, HAGLEY ROAD	Edgbaston	River Tame	no	no	no	250m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
S319	PART 125, PORTLAND ROAD	Edgbaston	River Tame	no	no	500m	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S320	38 TO 40, REDDITCH ROAD	Northfield	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	

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				Historic Flooding within 250m or 500m						Predicted Flooding								Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences			Maintained Channel
				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water										
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m						
S321	LAND ADJACENT 19, BEAKS HILL ROAD	Northfield	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	N/A	no	no	500m	no	No	
S322	SITE OF 145, 145A AND 147, REDDITCH ROAD	Northfield	River Rea	no	no	500m	no	no	no	no	no	no	no	part	part	part	no	N/A	no	no	no	no	Yes
S323	1853 TO 1855, PERSHORE ROAD	Selly Oak	River Rea	no	no	500m	no	no	no	no	no	no	no	part	no	no	Low	no	no	no	no	Yes	
S324	REAR OF 77, PERSHORE ROAD SOUTH	Northfield	River Rea	250m	no	500m	no	no	no	no	no	no	no	no	no	no	High	no	no	250m	no	Yes	
S325	REAR OF 75, PERSHORE ROAD SOUTH	Northfield	River Rea	250m	no	500m	no	no	no	no	no	no	no	no	no	no	High	no	no	250m	no	Yes	
S326	238, PERSHORE ROAD SOUTH	Northfield	River Rea	250m	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	250m	no	Yes	
S327	LAND BOUNDED BY, CHAPEL LANE AND HARBORNE ROAD AND BRISTOL ROAD	Selly Oak	River Rea	no	no	no	no	500m	no	no	no	no	no	part	no	no	High	no	no	no	yes	Yes	
S328	SELLY OAK INDUSTRIAL ESTATE, ELLIOTT ROAD	Selly Oak	River Rea	no	no	no	no	250m	no	no	no	no	no	part	no	no	Very High	no	no	no	yes	Yes	
S329	17, RADDLEBARN ROAD	Selly Oak	River Rea	no	no	no	no	500m	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No	
S33	Wychbury Road Allotments	Edgbaston	River Rea	250m	250m	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	yes	Yes	
S330	581, BRISTOL ROAD	Selly Oak	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	250m	no	No	
S331	218, HARBORNE ROAD	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S332	LAND ADJACENT 14, PRITCHATTS ROAD	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S333	ADJACENT 33, CHRISTCHURCH CLOSE	Edgbaston	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S334	REAR OF 78 TO 96, HAGLEY ROAD	Edgbaston	River Tame	no	no	250m	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
S335	35a, PORTLAND ROAD	Edgbaston	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
S336	LAND CORNER OF, HAROLD ROAD AND WATERWORKS ROAD	Edgbaston	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
S337	35 TO 37, MONKSWAY	Northfield	River Rea	no	no	500m	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
S338	27 to 33, MONKSWAY	Northfield	River Cole	no	no	500m	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
S339	40 TO 50, SISEFIELD ROAD	Northfield	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
S34	William Rathbone Care Home, Dimmingsdale Bank	Edgbaston	River Rea	no	no	no	no	no	500m	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S340	FMR. FLATS 1-6 AT 93; FLATS 1-3 AT 95, HILLMEADS ROAD	Northfield	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
S341	FORMER CAR PARK SITE, HUDSONS DRIVE	Selly Oak	River Rea	no	no	500m	no	no	500m	no	no	no	no	no	no	no	Low	no	500m	no	no	No	
S342	ADJACENT 28, HAZELWELL ROAD	Selly Oak	River Rea	500m	no	500m	no	500m	no	no	no	no	no	no	no	no	Very High	no	250m	250m	no	No	
S343	131, FRANCES ROAD	Selly Oak	River Rea	no	no	no	no	no	500m	no	no	no	no	no	no	no	Low	no	500m	500m	no	No	
S344	1650, PERSHORE ROAD	Selly Oak	River Rea	no	no	no	no	no	500m	no	no	no	part	part	part	no	Very High	no	250m	250m	no	Yes	
S345	84, RADDLEBARN FARM DRIVE	Selly Oak	River Rea	500m	no	no	no	no	250m	no	no	no	no	no	no	no	N/A	no	500m	500m	no	Yes	
S346	LAND FRONTING, PERSHORE ROAD	Selly Oak	River Rea	500m	no	250m	no	no	250m	part	part	part	part	part	part	no	Very High	part	500m	100m	no	Yes	
S347	1125 TO 1157, PERSHORE ROAD	Selly Oak	River Rea	500m	no	250m	no	no	250m	part	part	part	part	part	part	no	N/A	no	500m	250m	no	Yes	
S348	LAND AT, BEWDLEY ROAD	Selly Oak	River Rea	500m	no	250m	no	no	500m	part	yes	part	yes	part	part	part	Very High	part	500m	100m	no	Yes	
S349	1403 TO 1407, PERSHORE ROAD	Selly Oak	River Rea	500m	no	500m	no	500m	no	no	no	no	part	no	no	no	High	no	500m	500m	no	Yes	
S350	1256 TO 1258, PERSHORE ROAD	Selly Oak	River Rea	250m	no	250m	no	no	250m	no	no	no	no	no	no	no	Very High	no	250m	250m	no	Yes	
S351	REAR OF 768 TO 772, PERSHORE ROAD	Selly Oak	River Rea	250m	no	250m	no	no	500m	no	part	part	part	part	no	no	Very High	no	250m	250m	no	Yes	
S352	SITE OF 248 TO 250, BRISTOL ROAD	Edgbaston	River Rea	500m	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	250m	no	No	
S353	REAR OF 34A TO 40, OAKFIELD ROAD	Selly Oak	River Rea	500m	no	no	no	no	500m	no	part	part	part	part	part	part	Very High	no	500m	100m	no	Yes	
S354	LAND REAR OF 5 TO 8, GEORGE ROAD	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S355	OPPOSITE 85 TO 87, MONYHULL HALL ROAD	Selly Oak	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	Yes	
S356	BETWEEN 17 AND 39 AND REAR OF, KINGS ROAD	Selly Oak	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No	
S357	ADJACENT 1, FROME WAY	Selly Oak	River Rea	no	no	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	no	Yes	
S358	DAWBERRY ALLOTMENTS, OFF HARTON WAY	Selly Oak	River Rea	no	no	no	no	no	no	no	no	no	part	part	no	no	N/A	no	no	no	no	Yes	
S359	REAR OF 348 TO 352, MOOR GREEN LANE	Hall Green	River Rea	250m	no	500m	no	no	no	no	no	no	part	part	no	no	N/A	no	250m	250m	no	Yes	
S36	Bourn Avenue	Edgbaston	River Rea	500m	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
S360	LAND BETWEEN 34 AND 40, GOODBY ROAD	Hall Green	River Rea	500m	no	500m	no	no	no	no	no	no	part	part	part	no	High	no	500m	500m	no	Yes	
S361	123, MOOR GREEN LANE AND RUSSELL ROAD	Hall Green	River Rea	no	no	250m	no	no	no	no	no	no	part	no	part	no	High	no	no	500m	yes	Yes	
S362	LAND BOUNDED BY, SUMMER ROAD AND CHARLOTTE ROAD AND WOODVIEW DRIVE	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	no	no	yes	Yes	
S363	SITE OF FARCLOSE HOUSE, CAMBRIDGE CRESCENT	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S364	LEE BANK MIDDLEWAY, SPRING ROAD	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
S365	SITE OF 34, 36 & 38, SPRING ROAD	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	

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				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water										
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m						
S366	LAND ADJACENT 6, CAMBRIDGE CRESCENT	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
S367	LAND FRONTING, STONE ROAD	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
S368	2, BELLEVUE	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	500m	no	No
S369	LAND FRONTING, SUNDERTON ROAD AND BROAD LANE	Selly Oak	River Cole	no	no	no	no	no	no	no	no	no	part	part	part	no	N/A	no	no	no	no	no	Yes
S37	The Holloway	Edgbaston	River Rea	500m	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	no	No
S370	LAND FRONTING, BROAD LAND AND BAYSTON ROAD	Selly Oak	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	no	No
S371	106 TO 160, SUNDERTON ROAD	Selly Oak	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	no	No
S372	194 TO 196, SUNDERTON ROAD	Selly Oak	River Cole	no	no	no	no	no	no	no	no	no	part	no	no	no	Very High	no	no	no	no	no	Yes
S373	30 TO 32, TILSHEAD CLOSE	Selly Oak	River Cole	no	no	250m	500m	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	no	Yes
S374	LAND BETWEEN 155 AND 157, ALL SAINTS ROAD	Selly Oak	River Cole	500m	500m	500m	no	no	500m	no	no	no	no	no	no	no	High	no	no	no	no	no	No
S375	213 AND 215, ALCESTER ROAD SOUTH	Selly Oak	River Cole	250m	250m	250m	no	no	500m	no	no	no	part	no	no	no	Very High	no	no	no	no	no	Yes
S376	108, LIVINGSTONE ROAD	Selly Oak	River Cole	500m	500m	250m	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	no	Yes
S377	REAR OF 71 TO 85, TAYLOR ROAD	Selly Oak	River Cole	250m	250m	500m	no	no	no	no	no	no	part	no	part	no	Low	no	no	no	no	no	Yes
S378	156 TO 162 (incl 154), GRANGE ROAD	Hall Green	River Rea	no	no	250m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	Yes
S379	REAR OF 20, REDWOOD CROFT	Selly Oak	River Cole	500m	500m	250m	no	no	250m	no	no	no	no	no	no	no	Very High	no	no	no	no	no	Yes
S38	Allenscroft Road	Selly Oak	River Rea	no	no	no	no	no	no	no	no	part	part	part	part	N/A	part	250m	250m	no	no	no	Yes
S380	REAR OF 26, MOOR GREEN LANE	Hall Green	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
S381	50, SCHOOL ROAD	Hall Green	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
S382	BETWEEN 74 AND 84, GRANGE ROAD	Hall Green	River Rea	no	no	250m	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	no	Yes
S383	120 TO 126, ALCESTER ROAD	Hall Green	River Rea	no	no	no	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
S384	178, SLADEPOOL FARM ROAD	Selly Oak	River Cole	no	no	no	500m	no	no	no	no	no	no	no	no	no	High	no	no	no	no	no	No
S385	LAND ADJOINING 38, MOUNTFIELD CLOSE	Selly Oak	River Cole	no	no	no	500m	no	no	no	no	no	no	no	no	no	High	no	no	no	no	no	No
S386	171 TO 173, MAYPOLE LANE	Selly Oak	River Cole	no	no	250m	no	no	no	no	no	no	part	no	no	no	High	no	no	no	no	no	Yes
S387	REAR OF 332, HIGHTERS HEATH LANE	Selly Oak	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	no	No
S388	REAR OF 7 TO 16, JANICE GROVE	Selly Oak	River Cole	250m	no	no	no	no	no	no	no	no	part	no	part	no	Very High	no	no	no	no	no	Yes
S389	SITE OF 17 TO 19, PENDEEN ROAD	Selly Oak	River Cole	250m	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	no	Yes
S39	Amroth Close	Northfield	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
S390	LAND AT, WHITLOCK GROVE	Selly Oak	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	yes	Yes	
S391	REAR OF 163, MAY LANE	Selly Oak	River Cole	500m	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	no	No
S392	REAR OF 243 TO 245, YARDLEY WOOD ROAD	Hall Green	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
S393	ADJACENT 21, SANDFORD ROAD	Hall Green	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	no	No
S394	ADJACENT 7, COPPICE ROAD	Hall Green	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
S395	LAND ADJACENT 134, ANDERTON PARK ROAD	Hall Green	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	Yes
S396	FORMER ELBIEF & JOHNSON WORKS, PRINCE OF WALES LANE	Selly Oak	River Cole	no	no	no	no	no	no	no	no	no	part	part	part	part	High	no	no	no	yes	Yes	
S397	1118, YARDLEY WOOD ROAD	Selly Oak	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	no	No
S398	LAND ADJACENT 33, PUREFOY ROAD	Selly Oak	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	no	No
S399	85, BUNBURY ROAD	Selly Oak	River Rea	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
S4	Goodrest Care Home, Reddich Road	Northfield	River Rea	500m	250m	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	no	no	Yes
S40	Baldwin Road	Northfield	River Rea	500m	no	500m	no	no	no	no	no	no	no	part	part	no	Moderate	no	500m	no	no	no	Yes
S400	197 TO 199, HAGLEY ROAD	Edgbaston	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	Yes
S401	72, BOTTETOURT ROAD	Edgbaston	River Rea	250m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	250m	250m	no	no	Yes
S402	26, POPLAR AVENUE	Edgbaston	River Tame	no	500m	250m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	Yes
S403	191 TO 193, HAGLEY ROAD	Edgbaston	River Tame	no	no	250m	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	no	Yes
S404	2 BELL LANE AND, 721 BRISTOL RD SOUTH	Northfield	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
S405	479, GILLOTT ROAD	Edgbaston	River Tame	no	no	no	250m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	Yes
S406	ADJACENT 4, VICARAGE ROAD	Hall Green	River Rea	no	no	500m	no	no	500m	no	no	no	no	no	no	no	Low	no	no	no	no	no	No
S407	43, ST. COLUMBAS DRIVE	Northfield	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	no	No
S408	7, MEADOW ROAD	Edgbaston	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No

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				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water										
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m						
S409	ADJACENT 74, SCRIBERS LANE	Hall Green	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	Yes	
S41	Bowood Crescent	Northfield	River Rea	250m	250m	500m	no	no	500m	no	no	no	no	no	no	no	Very High	no	250m	250m	no	Yes	
S410	256 AND 258, ROBIN HOOD LANE	Hall Green	River Cole	500m	no	no	500m	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No	
S411	275, HIGHFIELD ROAD	Hall Green	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No	
S412	187, HIGHFIELD ROAD	Hall Green	River Cole	500m	no	no	500m	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No	
S413	ADJACENT 100, SMIRRELLS ROAD	Hall Green	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	Yes	
S414	REAR OF 19 AND 21, TIXALL ROAD	Hall Green	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	Yes	
S415	REAR OF 5 TO 9, TIXALL ROAD	Hall Green	River Cole	no	no	500m	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	no	Yes	
S416	22, BURNASTON ROAD	Hall Green	River Cole	250m	no	no	no	no	no	no	no	no	no	part	no	part	Low	no	no	no	no	Yes	
S417	REAR OF 282 TO 284, ROBIN HOOD LANE	Hall Green	River Cole	500m	no	no	500m	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No	
S418	146 TO 156, SAREHOLE ROAD	Hall Green	River Cole	250m	no	500m	no	no	no	part	part	no	part	part	part	no	Very High	part	no	no	no	Yes	
S419	1616 TO 1618, PERSHORE ROAD	Selly Oak	River Rea	no	no	no	no	no	500m	no	no	no	no	no	no	no	Very High	no	250m	250m	no	No	
S42	Braceby Avenue rear 81	Selly Oak	River Cole	no	no	no	250m	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	Yes	
S420	21, CLARENDON ROAD	Edgbaston	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
S421	19, ASHBURTON ROAD	Selly Oak	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S422	564-566, BRISTOL ROAD	Selly Oak	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	250m	no	No	
S423	24, SOMERSET ROAD	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S424	ABOVE 17, WATFORD ROAD	Selly Oak	River Rea	no	no	250m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	500m	no	Yes	
S425	ABOVE 187, HAGLEY ROAD	Edgbaston	River Tame	no	no	250m	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
S426	169, ALCESTER ROAD	Hall Green	River Rea	no	no	no	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S427	REAR OF 144 TO 152, LAKEY LANE	Hall Green	River Cole	500m	500m	250m	500m	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	Yes	
S428	105, LAKEY LANE	Hall Green	River Cole	no	no	250m	500m	no	no	no	no	no	no	no	no	no	High	no	no	no	no	Yes	
S429	60, UPLAND ROAD	Selly Oak	River Rea	no	no	no	no	no	250m	no	no	no	no	no	no	no	N/A	no	no	250m	no	Yes	
S43	Braceby Avenue rear 233	Selly Oak	River Cole	no	no	no	250m	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	Yes	
S430	19, MONTAGUE ROAD	Edgbaston	River Tame	no	no	500m	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
S431	91, TENNAL ROAD	Edgbaston	River Rea	500m	no	250m	no	no	500m	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
S432	167, PRINCE OF WALES LANE	Selly Oak	River Cole	no	no	no	no	no	no	no	no	no	part	no	no	no	Moderate	no	no	no	no	Yes	
S433	29, BOURNVILLE LANE	Selly Oak	River Rea	250m	no	500m	no	250m	500m	no	no	no	no	no	no	no	High	no	250m	250m	no	Yes	
S434	4, ABBOTS ROAD	Selly Oak	River Rea	no	no	250m	no	no	500m	no	no	no	no	part	no	part	High	no	no	no	no	Yes	
S435	1070, STRATFORD ROAD	Hall Green	River Cole	500m	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No	
S436	47, SILVER STREET	Hall Green	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No	
S437	36, MAYFIELD ROAD	Hall Green	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S438	15, COPPICE ROAD	Hall Green	River Cole	no	no	no	no	no	no	no	no	no	part	part	part	no	Very Low	no	no	no	no	Yes	
S439	820, PERSHORE ROAD	Selly Oak	River Rea	250m	no	250m	no	no	500m	no	no	no	no	no	no	no	N/A	no	250m	250m	no	Yes	
S44	Bramber House	Northfield	River Rea	500m	500m	500m	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	500m	no	No	
S440	10, CHURCH ROAD	Edgbaston	River Rea	no	no	250m	no	500m	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
S441	44, GEORGE ROAD	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
S442	8, CHAD ROAD	Edgbaston	River Rea	no	no	250m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
S443	43, OXFORD ROAD	Hall Green	River Cole	no	no	250m	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
S444	60, LENCH'S CLOSE	Hall Green	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
S445	ABOVE 175 TO 177, HIGH STREET	Edgbaston	River Rea	no	no	250m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
S446	732 TO 736, YARDLEY WOOD ROAD	Selly Oak	River Cole	500m	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No	
S447	8 TO 10, WATFORD ROAD	Selly Oak	River Rea	no	no	250m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
S448	9 TO 11, ST AUGUSTINES ROAD	Edgbaston	River Tame	no	no	500m	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S449	22-24 GREENLAND ROAD, GREENLANDS HOUSE	Selly Oak	River Rea	250m	no	500m	no	no	500m	no	no	no	no	no	no	no	N/A	no	500m	500m	no	Yes	
S45	Broadmeadow Close A	Selly Oak	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S450	98 TO 100, HIGH STREET	Edgbaston	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S451	15 TO 27, HEATHFIELD ROAD	Hall Green	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	

Site Reference	Address	Constituency	Major Catchment	Sources of Flooding														Flood risk Management Measures			Over the	FRA Required	
				Historic Flooding within 250m or 500m						Predicted Flooding								Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences			Maintained Channel
				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water										
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m						
S452	1159 TO 1171, PERSHORE ROAD	Selly Oak	River Rea	500m	no	250m	no	no	250m	no	part	part	part	part	part	no	N/A	no	250m	250m	no	Yes	
S453	71, FELLOWS LANE	Edgbaston	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S454	249, ALCESTER ROAD SOUTH	Selly Oak	River Cole	250m	250m	250m	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	Yes	
S455	144 TO 146, HIGHFIELD ROAD	Hall Green	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No	
S456	257 TO 267, HAGLEY ROAD	Edgbaston	River Rea	no	no	500m	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S457	31, OXFORD ROAD	Hall Green	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
S458	66, HIGH STREET	Hall Green	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S459	34, ST. AGNES ROAD	Hall Green	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S46	Cadine Gardens	Hall Green	River Rea	500m	no	500m	no	no	no	no	no	no	no	part	part	no	N/A	no	500m	500m	no	Yes	
S460	1477 -1479, PERSHORE ROAD	Selly Oak	River Rea	no	no	500m	no	500m	500m	no	no	no	no	no	no	no	High	no	500m	250m	no	No	
S461	1126-1128, STRATFORD ROAD	Hall Green	River Cole	500m	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No	
S462	123, PERSHORE ROAD	Edgbaston	River Rea	no	no	500m	no	no	no	no	no	no	part	part	no	no	Very High	no	500m	500m	no	Yes	
S463	27, WELLINGTON ROAD	Edgbaston	River Rea	no	no	500m	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
S464	45, CHURCH ROAD	Edgbaston	River Rea	no	no	250m	no	500m	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
S465	141, LEACH GREEN LANE	Northfield	River Rea	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S466	BIRMINGHAM GREAT PARK, BRISTOL ROAD SOUTH	Northfield	River Rea	500m	no	no	no	no	no	no	no	no	no	part	no	no	N/A	no	no	no	yes	Yes	
S467	BIRMINGHAM GREAT PARK, BRISTOL ROAD SOUTH	Northfield	River Rea	no	no	no	no	no	no	no	no	no	part	part	part	no	N/A	no	no	no	yes	Yes	
S468	BIRMINGHAM GREAT PARK, BRISTOL ROAD SOUTH	Northfield	River Rea	500m	no	no	no	no	no	no	no	no	part	part	part	no	N/A	no	no	no	yes	Yes	
S469	SITE OF FORMER COMMUNITY CENTRE, NEWMAN WAY	Northfield	River Rea	no	500m	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
S47	Capcroft Road 30	Selly Oak	River Cole	500m	no	no	500m	no	no	no	no	no	part	no	no	no	High	no	no	no	no	Yes	
S470	63, THORNTWAITE CLOSE	Northfield	River Rea	500m	250m	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	no	no	no	Yes	
S471	LAND FRONTING HOLLYHILL NURSING HOME, RUBERY LANE	Northfield	River Rea	250m	500m	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	500m	no	Yes	
S472	505 TO 511, TESSALL LANE	Northfield	River Rea	500m	250m	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	500m	no	Yes	
S473	19 TO 41, VINNALL GROVE	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	part	no	no	no	High	no	no	no	no	Yes	
S474	SITE OF 11 AND 15 AND 17, ALLWOOD GARDENS	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	part	no	no	no	Moderate	no	no	no	no	Yes	
S475	LAND REAR OF 2 TO 8, TYNDALL WALK	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	part	part	no	Moderate	no	no	no	no	Yes	
S476	LAND REAR OF 14 TO 20, WOODGATE GARDENS	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No	
S477	LAND REAR OF 104 TO 114, LYE AVENUE	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No	
S478	SITE OF 10 AND 12, ALLWOOD GARDENS	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No	
S479	REAR OF 817 TO 829, HAGLEY ROAD WEST	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S48	Capern Grove A (wisley way)	Edgbaston	River Rea	500m	no	250m	no	no	500m	no	no	no	part	part	part	part	Very Low	no	no	no	no	Yes	
S480	36 TO 38, HIGH STREET	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S481	LAND ADJACENT 125, CHICHESTER DRIVE	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
S482	281 Hagley Road	Edgbaston	River Rea	no	no	500m	250m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
S483	313 Hagley Road	Edgbaston	River Tame	no	no	no	250m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
S484	29, ROTTON PARK ROAD	Edgbaston	River Tame	no	no	250m	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
S485	REAR OF 2 TO 26, BARNESLEY ROAD	Edgbaston	River Rea	no	500m	250m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
S486	395, GILLOTT ROAD	Edgbaston	River Tame	no	no	500m	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
S487	STW Works	Edgbaston	River Tame	no	no	250m	no	no	no	no	no	no	no	part	part	part	Very Low	no	no	no	yes	Yes	
S488	Poplar Avenue	Hall Green	River Cole	no	no	500m	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
S489	778 to 798 Bristol Road	Selly Oak	River Rea	no	no	no	no	500m	no	no	no	no	part	no	no	no	High	no	no	no	no	Yes	
S49	Capern Grove 12	Edgbaston	River Rea	500m	no	250m	no	no	500m	no	no	no	no	part	part	no	Very Low	no	no	no	no	Yes	
S5	Collingwood Day Centre Westheath Road	Northfield	River Rea	250m	250m	250m	no	no	250m	no	no	no	no	no	no	no	N/A	no	500m	250m	yes	Yes	
S51	Chilcote Close	Hall Green	River Cole	no	no	500m	500m	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	No	
S52	Dawberry Road next to 72	Selly Oak	River Rea	no	no	no	no	no	no	no	no	no	part	part	part	no	N/A	no	no	no	no	Yes	
S53	Edgehill Road 31	Northfield	River Rea	500m	500m	250m	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	Yes	
S54	Fladbury Cresent 100-118	Selly Oak	River Rea	no	250m	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	no	Yes	
S56	Foster Way site A	Edgbaston	River Rea	no	no	500m	no	no	no	no	no	no	part	no	no	no	N/A	no	no	500m	no	Yes	

Site Reference	Address	Constituency	Major Catchment	Sources of Flooding														Flood risk Management Measures			Over/ha	FRA Required	
				Historic Flooding within 250m or 500m						Predicted Flooding								Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences			Maintained Channel
				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water										
										Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m						
S57	Frankley Beeches 458	Northfield	River Rea	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
S58	Glenavon Road 23	Selly Oak	River Cole	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
S59	Gregory Avenue	Northfield	River Rea	no	500m	500m	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	500m	no	Yes
S60	Highfield Lane adj 51	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No
S61	Highers Close	Selly Oak	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No
S62	Masshouse Lane	Northfield	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
S63	Modbury Avenue	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	500m	no	no	No
S64	Monmouth Road	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	500m	no	no	No
S65	Newick Grove (adj 14)	Selly Oak	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	500m	no	No
S66	Newman Way Rear (114)	Northfield	River Rea	no	250m	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	Yes
S67	Prestwood road (rear 29)	Northfield	River Rea	no	250m	250m	no	no	no	no	part	no	part	part	no	no	no	Very Low	no	500m	250m	no	Yes
S68	Roundlea Road (rear 32-40)	Edgbaston	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	High	no	500m	no	no	No
S69	Sedgehill Avenue (rear 25)	Edgbaston	River Rea	250m	250m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
S73	Water Mill Close (adj 25)	Selly Oak	River Rea	500m	500m	no	no	no	no	no	no	no	part	part	no	no	no	Very Low	no	no	500m	no	Yes
S74	Woodcock Lane (rear 178)	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	part	part	part	part	no	N/A	no	500m	no	no	Yes
S75	8-10 Shelfield Road	Selly Oak	River Rea	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	Yes
S84	Ley Hill Phase 4 pt 2	Edgbaston	River Rea	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	yes	Yes
S88	The Curdale Shopping Centre	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	part	no	no	no	no	High	no	no	no	no	Yes
S89	Arden Road Frankley site 1	Northfield	River Rea	250m	500m	no	no	no	no	no	no	no	part	part	part	no	no	Very High	no	no	no	yes	Yes
S9	Pocklington Place Hole Lane	Selly Oak	River Rea	250m	no	no	no	no	no	no	no	no	part	part	no	no	no	N/A	no	no	no	yes	Yes
S90	Arden Road Frankley site 2	Northfield	River Rea	500m	500m	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No
S91	Hazel drive/green Meadow	Northfield	River Rea	no	no	500m	no	no	no	no	no	no	part	part	part	no	no	N/A	no	no	no	no	Yes
S93	Yardley Wood Road	Selly Oak	River Cole	250m	no	no	no	no	no	no	no	no	part	no	no	no	no	High	no	no	no	yes	Yes
S94	Land adjacent to 679 Bristol Road	Selly Oak	River Rea	no	no	no	no	500m	no	no	no	no	part	no	no	no	no	High	no	500m	500m	no	Yes
S95	Land adjacent to 17-20 Selly Wharf	Selly Oak	River Rea	no	no	no	no	250m	no	no	no	no	part	part	part	part	no	High	no	no	no	yes	Yes
S97	955 Pershore Road	Selly Oak	River Rea	250m	no	500m	no	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	500m	no	Yes
S98	694-704 Pershore Road	Selly Oak	River Rea	250m	no	250m	no	no	250m	no	no	part	part	no	no	no	no	N/A	no	250m	250m	no	Yes
S99	582-588 Pershore Road	Selly Oak	River Rea	250m	no	500m	no	no	500m	part	part	part	part	no	no	no	no	N/A	no	500m	250m	no	Yes

Figure K.1 - Residential Sites Flood Risk Table

Site Reference	Address	Street Name	Constituency	Major Catchment	Sources of Flooding														Flood risk Management Measures			Over 1 ha	FRA Required	
					Historic Flooding within 250m or 500m						Predicted Flooding						Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences	Maintained Channel				
					Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial				Surface Water									
											Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30								
007710302	BIRMINGHAM GREAT PARK	HOLLYMOOR WAY	Northfield	River Rea	no	no	no	no	no	no	no	no	no	part	part	part	part	N/A	no	500m	100m	yes	Yes	
007710303	BIRMINGHAM GREAT PARK	HOLLYMOOR WAY	Northfield	River Rea	no	no	no	500m	no	no	no	no	no	no	part	part	part	part	N/A	no	500m	250m	yes	Yes
007720300	OLD WEST WORKS	BRISTOL ROAD SOUTH	Northfield	River Rea	500m	no	no	500m	no	no	no	no	no	part	part	part	part	Very Low	no	100m	250m	yes	Yes	
007720400	1547 TO 1563	BRISTOL ROAD SOUTH	Northfield	River Rea	no	no	no	no	no	part	part	part	part	part	part	part	part	Very High	part	100m	100m	no	Yes	
007741000	SOUTH WORKS	LICKEY ROAD	Northfield	River Rea	500m	500m	no	no	no	500m	no	no	no	no	part	no	part	no	Very Low	no	100m	250m	yes	Yes
007810302	8 TO 38; 2.4.22.24	WESTCOTE AVENUE	Northfield	River Rea	no	500m	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
008110800	NEWMAN UNIVERSITY COLLEGE	GENNERS LANE	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	part	no	no	no	Moderate	no	500m	no	no	Yes	
008110900	KING EDWARDS GRAMMAR SCHOOL	SCOTLAND LANE	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
008430300	FOUR DWELLINGS PRIMARY SCHOOL	QUINTON ROAD WEST	Edgbaston	River Rea	no	no	no	no	500m	no	no	no	no	no	part	no	part	no	Very Low	no	no	yes	Yes	
008440200	LAND CORNER OF	WORLDS END LANE AND LOWER WHITE ROAD	Edgbaston	River Rea	no	no	250m	no	no	500m	no	no	no	no	part	no	part	no	Very Low	no	no	no	Yes	
017710101	NORTH WORKS	LONGBRIDGE LANE	Northfield	River Rea	250m	500m	no	no	no	no	part	part	part	yes	part	no	no	Very High	part	100m	250m	yes	Yes	
017710102	NORTH WORKS	LONGBRIDGE LANE	Northfield	River Rea	250m	250m	no	no	no	no	part	part	part	part	part	part	part	N/A	part	100m	100m	yes	Yes	
017710103	NORTH WORKS	BRISTOL ROAD SOUTH	Northfield	River Rea	250m	250m	no	no	no	500m	part	part	part	part	part	part	part	Moderate	part	100m	100m	yes	Yes	
017710202	NORTH WORKS CAR PARK	LONGBRIDGE LANE AND DEVON WAY	Northfield	River Rea	250m	500m	no	no	no	no	part	part	part	part	part	no	no	Very High	part	100m	250m	no	Yes	
017710203	NORTH WORKS CAR PARK	LONGBRIDGE LANE AND DEVON WAY	Northfield	River Rea	250m	500m	no	no	no	no	part	part	part	part	part	part	no	Very High	part	100m	100m	no	Yes	
017710204	NORTH WORKS CAR PARK	LONGBRIDGE LANE AND BRISTOL ROAD SOUTH	Northfield	River Rea	250m	500m	no	no	no	no	part	no	no	no	no	no	no	Very High	no	250m	250m	no	Yes	
017840100	KALAMAZOO GROUP	BRISTOL ROAD SOUTH	Northfield	River Rea	250m	250m	250m	no	no	250m	no	no	no	no	no	no	no	High	no	no	250m	yes	Yes	
017920700	SOUTH OF VINEYARD ROAD	ULWINE DRIVE	Northfield	River Rea	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
018140400	SHENLEY COURT SCHOOL	SHENLEY LANE	Edgbaston	River Rea	no	no	250m	no	no	no	no	no	no	no	part	part	part	N/A	no	no	no	yes	Yes	
018221200	LAND OFF	BARNES HILL	Edgbaston	River Rea	250m	250m	no	no	no	no	part	part	part	part	part	part	part	Very High	no	100m	500m	yes	Yes	
018530100	343 TO 349 AND LAND TO REAR	HAGLEY ROAD WEST	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
027820400	SITE OF THE OLD MILL PUBLIC HOUSE	ABBEYDALE ROAD	Northfield	River Rea	250m	250m	500m	no	no	250m	no	no	part	part	part	part	part	N/A	part	500m	100m	no	Yes	
027841200	196 TO 198	WEST HEATH ROAD	Northfield	River Rea	500m	250m	250m	no	no	500m	no	no	no	no	no	no	no	N/A	no	no	no	no	Yes	
028030500	620A	BRISTOL ROAD SOUTH	Northfield	River Rea	500m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
028030700	620	BRISTOL ROAD SOUTH	Northfield	River Rea	250m	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
028040700	ROYAL ORTHOPAEDIC HOSPITAL	BRISTOL ROAD SOUTH	Northfield	River Rea	500m	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
028320100	LAND ADJACENT 100 TO 146	FERNCLIFFE ROAD	Edgbaston	River Rea	250m	250m	no	no	no	no	part	no	part	part	part	part	no	Very Low	no	no	500m	no	Yes	
028441100	LAND BOUNDED BY	HIGH ST & HARBORNE PARK RD & ALBERT RD	Edgbaston	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
028441200	HARBORNE BATHS	LORDSWOOD ROAD	Edgbaston	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
029040500	FORMER TRAINING CENTRE	MIDDLEMORE ROAD	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	no	yes	Yes	
037710700	77	NEARHILL ROAD	Northfield	River Rea	500m	250m	no	no	no	no	no	no	no	no	part	no	no	N/A	no	no	no	no	Yes	
038320500	85 AND LAND TO REAR	WOODLEIGH AVENUE	Edgbaston	River Rea	no	250m	no	no	no	no	no	no	no	no	part	part	part	no	Very Low	no	no	no	Yes	
038321100	ADJ BIRMINGHAM WOMENS HOSPITAL	METCHLEY PARK ROAD	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
038422800	REAR OF 61 TO 77	HIGH STREET	Edgbaston	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
038422900	72 TO 94	HIGH STREET	Edgbaston	River Rea	no	no	500m	no	no	no	no	no	no	no	part	part	part	no	Very Low	no	no	no	Yes	
038721100	341	DUDLEY ROAD	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes	
038911800	LAND BETWEEN 33 AND 45	WATTVILLE ROAD	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
038922100	12A	HOLYHEAD ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	Yes	
047821000	LAND REAR OF 3 TO 5	REDDITCH ROAD	Northfield	River Rea	500m	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	500m	no	No	
047841000	CADBURY SIXTH FORM COLLEGE	DOWNLAND CLOSE	Northfield	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
048110600	LAND AT	RADDELBARN ROAD	Selly Oak	River Rea	no	no	500m	no	500m	no	no	no	no	no	part	no	part	no	N/A	no	no	no	Yes	
048211000	LAND BOUNDED BY	CHAPEL LANE & HARBORNE RD & BRISTOL RD	Selly Oak	River Rea	no	no	no	no	500m	no	no	no	no	no	part	no	no	High	no	no	no	yes	Yes	
048211100	BIRMINGHAM BATTERY	OFF BRISTOL ROAD SOUTH	Selly Oak	River Rea	no	no	no	no	no	no	no	no	no	no	part	part	part	no	Very Low	no	500m	500m	yes	Yes
048211500	BATTERY RETAIL PARK	CHAPEL LANE	Selly Oak	River Rea	no	no	no	no	500m	no	no	no	no	no	part	no	no	High	no	no	no	no	Yes	
048211600	B & Q SITE	HARBORNE LANE	Selly Oak	River Rea	no	no	no	no	no	no	no	no	no	no	part	part	part	part	Very Low	no	500m	500m	no	Yes
048231300	778 TO 798	BRISTOL ROAD	Selly Oak	River Rea	no	no	no	no	500m	no	no	no	no	no	part	no	no	High	no	no	no	no	Yes	
048241200	17	RADDELBARN ROAD	Selly Oak	River Rea	no	no	no	no	500m	no	no	no	no	no	no	no	no	High	no	no	no	no	No	
048330201	BIRMINGHAM BATTERY SITE	OFF HARBORNE LANE	Selly Oak	River Rea	no	no	no	no	500m	no	no	no	no	part	part	part	part	no	Very Low	no	250m	250m	yes	Yes
048330202	BIRMINGHAM BATTERY ADJ TO RAILWAY	OFF HARBORNE LANE	Selly Oak	River Rea	no	no	no	no	no	no	part	no	part	part	no	no	no	Very Low	no	100m	100m	yes	Yes	
048340900	572 TO 574	BRISTOL ROAD	Selly Oak	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	250m	no	No	
048341200	CHANCELLORS COURT	EDGBASTON PARK ROAD	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	250m	no	No	
048440204		VINCENT DRIVE	Edgbaston	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	Very Low	no	no	no	no	Yes	
048641600	226	MONUMENT ROAD	Edgbaston	River Tame	no	no	250m	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	no	no	Yes	
048712402	SITE OF CARLTON HOUSE	FRONTING ABERDEEN STREET	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
048810303	WESTERN BUSINESS PARK	BETWEEN HANDSWORTH NEW RD	Ladywood	River Tame	no	500m	no	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	no	no	Yes	
048831300	SHERATT INDUSTRIAL ESTATE	WELLINGTON STREET	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
048911300	36	ROOKERY ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	Very Low	no	no	no	no	Yes	
048911500	321	SOHO ROAD	Ladywood	River Tame	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
048911600	366	SOHO ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	

Site Reference	Address	Street Name	Constituency	Major Catchment	Sources of Flooding														Flood risk Management Measures			Over 1 ha	FRA Required		
					Historic Flooding within 250m or 500m						Predicted Flooding								Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences			Maintained Channel	
					Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial				Surface Water										
											Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	0.1 - 0.3m	>0.3m	0.1 - 0.3m	>0.3m							
068612305	LAND FRONTING	BRIDGE STREET	Ladywood	River Rea	no	no	250m	no	500m	no	no	no	no	no	part	part	no	no	Very Low	no	no	no	no	no	Yes
068612306	LAND FRONTING	BROAD STREET	Ladywood	River Rea	no	no	250m	no	500m	no	no	no	no	no	part	part	no	no	Very Low	no	no	no	no	no	Yes
068612307	LAND CORNER OF	BROAD STREET AND BRIDGE STREET	Ladywood	River Rea	no	no	250m	no	500m	no	no	no	no	no	part	part	no	no	Very Low	no	no	no	no	no	Yes
068622802	LAND BOUNDED BY	STEPHENSON STREET AND HILL ST	Ladywood	River Rea	no	no	500m	no	no	no	no	no	no	no	part	part	part	no	Very Low	no	no	no	no	no	Yes
068622900	103	COLMOR ROW	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
068623100	7 TO 8	WATERLOO STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
068632800	212 TO 223	BROAD STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
068633400	LAND FRONTING	BATH ROW AND BEXHILL GROVE	Ladywood	River Rea	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	no	Yes
068641100	LAND AT 121	SUFFOLK STREET QUEENSWAY	Ladywood	River Rea	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	Yes
068642000	49 TO 51	HOLLOWAY HEAD	Ladywood	River Rea	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	no	Yes
068643400	79 TO 83	HOLLOWAY HEAD	Ladywood	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
068643700	LAND BOUNDED BY	BLUCHER STREET & BROWNSEA DRIVE & ELLIS ST	Ladywood	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
068713800	35 TO 38	ST PAUL'S SQUARE	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
068714900	55	REGENT PLACE	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
068715000	14 TO 16	REGENT PARADE	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
068715400	SITE OF ASHFIELD MOTORS	CAROLINE STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
068715500	56 AND 57	CAROLINE STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	no	Yes
068715700	35	VYSE STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
068722700	FORMER BONDS NIGHTCLUB	HAMPTON STREET	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
068723000	90 TO 104	CONSTITUTION HILL	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
068723500	60 TO 62	CONSTITUTION HILL	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
068735400	MAHARAJA JASSA SINGH RAMARHIA HALL	NEWHALL STREET	Ladywood	River Tame	no	no	250m	no	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	Yes
068735700	3 TO 5	LEGGE LANE	Ladywood	River Tame	no	no	250m	no	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	Yes
068735800	LAND CORNER OF	NEWHALL STREET AND CHARLOTTE STREET	Ladywood	River Tame	no	no	250m	no	500m	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	no	Yes
068736000	23 TO 26	GEORGE STREET	Ladywood	River Tame	no	no	250m	no	500m	no	no	no	no	no	part	part	no	no	Very Low	no	no	no	no	no	Yes
068736100	109 TO 138	NORTHWOOD STREET	Ladywood	River Tame	no	no	250m	no	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	yes	Yes
068736400	32 TO 36	ALBION STREET	Ladywood	River Tame	no	no	500m	no	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
068740900	LAND BOUNDED BY	GREAT CHARLES ST & LUDGATE HILL & LIVERY ST	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	no	no	Yes
068742802	SNOW HILL SITE	SNOW HILL STATION & SNOW HILL QUEENSWAY	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
068742803	SNOW HILL SITE	SNOW HILL QUEENSWAY AND ST CHADS CIRCUS	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	no	no	Very Low	no	no	no	no	no	Yes
068811800	TENBY BUILDING	GREAT KING STREET NORTH	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	no	yes	Yes
068821400	40	FRANKFORT STREET	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
068832300	66 AND 67	GREAT HAMPTON STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
068912300	102 TO 106	HEATHFIELD ROAD	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	no	Yes
068921900	161 TO 211	BIRCHFIELD ROAD	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
068941800	HOLTE SCHOOL	WHEELER STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	yes	Yes
068942400	LAND AT	ALMA WAY	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
069031500	CORNER OF	LIVINGSTONE ROAD AND WESTMINSTER ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	no	Yes
069041400	32 AND 34A	TRINITY ROAD	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
069120500	205	ALDRIDGE ROAD	Perry Barr	River Tame	250m	no	500m	no	no	no	part	part	part	part	no	no	no	no	Very High	part	100m	100m	no	yes	Yes
069130400	REGINA DRIVE	WALSALL ROAD	Perry Barr	River Tame	500m	no	no	no	no	no	no	no	no	part	part	part	part	part	Very High	part	250m	100m	no	yes	Yes
069210300	481	WALSALL ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	500m	yes	Yes	Yes
069220400	ALEXANDER STADIUM	WALSALL ROAD	Perry Barr	River Tame	no	no	no	no	no	no	part	part	part	part	part	part	part	part	Very High	no	500m	500m	yes	Yes	Yes
069220500	CENTRAL MOTORWAY POLICE CENTRE	THORNBRIDGE AVENUE	Perry Barr	River Tame	no	no	no	no	no	no	part	part	part	part	part	part	part	part	Very High	no	no	no	no	no	Yes
069230200	425	WALSALL ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	500m	500m	no	no	No
069340300	LAND CORNER OF	BEECHES ROAD AND HASSOP ROAD	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	no	No
078112300	2	VICARAGE ROAD	Hall Green	River Rea	no	no	500m	no	no	500m	no	no	no	no	part	no	no	no	Low	no	no	no	no	no	Yes
078321701	17A	ALCESTER ROAD	Hall Green	River Rea	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	no	No
078330600	MOSELEY HALL HOSPITAL	ALCESTER ROAD	Hall Green	River Rea	no	no	500m	250m	no	no	no	no	no	no	part	part	part	no	Very Low	no	no	no	no	yes	Yes
078341600	120 TO 126	ALCESTER ROAD	Hall Green	River Rea	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
078422300	LAND AT HADEN WAY AND	BELGRAVE MIDDLEWAY	Hall Green	River Rea	no	no	250m	no	no	no	no	no	no	part	part	part	part	no	N/A	no	250m	250m	yes	Yes	Yes
078444200	LAND AT	BATH WALK	Hall Green	River Rea	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	no	no	Yes
078444300	538 TO 540	MOSELEY ROAD	Hall Green	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	no	No
078510600	LAND BOUNDED BY	WRENTHAM STREET & KENT ST	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	500m	no	no	No
078510700	52 TO 58	LOWER ESSEX STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	500m	no	no	No
078522700	150 TO 159	MOSELEY STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	500m	no	no	No
078542000	FORMER PINT POT PUBLIC HOUSE	EMILY STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	500m	no	no	No
078610400	ADJACENT MOOR STREET QUEENSWAY	LAND FRONTING FREEMAN STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
078610500	LAND BETWEEN	FREEMAN STREET AND ALBERT STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No

Site Reference	Address	Street Name	Constituency	Major Catchment	Sources of Flooding													Flood risk Management Measures			Over 1 ha	FRA Required			
					Historic Flooding within 250m or 500m					Predicted Flooding								Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences			Maintained Channel		
					Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial				Surface Water										
											Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	0.1 - 0.3m	>0.3m	0.1 - 0.3m							>0.3m	
078612300	55	TEMPLE ROW	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
078612500	3 TO 5 PARK STREET	DIGBETH	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	500m	no	No	
078612700	SITE OF 25 TO 31	CARRS LANE	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
078612800	ST MARTINS SQUARE	BULL RING	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	500m	no	No	
078622000	ADJOINING PARK STREET GARDENS	FAZELEY STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	500m	no	Yes	
078622200	LAND BOUNDED BY	DIGBETH AND COVENTRY ST AND OXFORD ST	Ladywood	River Rea	no	no	no	no	no	no	no	part	part	part	part	part	part	no	N/A	part	500m	250m	yes	Yes	
078622300	TYPHOO WHARF	BORDESLEY STREET	Ladywood	River Rea	no	no	no	no	no	no	no	part	part	part	part	part	part	no	Very High	no	250m	250m	yes	Yes	
078622400	LAND BOUNDED BY	BARTHOLOMEW STREET AND BANBURY STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	500m	500m	yes	Yes	
078622500	27 AND 28	PARK STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	500m	no	No	
078622700	89 AND 90	MERIDEN STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	part	no	no	no	no	Low	no	500m	500m	no	Yes	
078632000	130 TO 134	BROMSGROVE STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	500m	no	Yes	
078632100	139 TO 141	BROMSGROVE STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	500m	no	No	
078632200	FORMER SILVER BLADES ICE RINK	PERSHORE STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	500m	no	Yes	
078632400	LAND FRONTING UPPER DEAN STREET	PERSHORE STREET AND DEAN STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	500m	no	No	
078643101	LAND CORNER OF	BRADFORD STREET AND REA STREET	Ladywood	River Rea	no	no	no	no	no	no	no	yes	part	yes	part	part	part	no	Very High	yes	500m	100m	no	Yes	
078643102	LAND CORNER OF	HIGH STREET DERITEND AND REA STREET	Ladywood	River Rea	no	no	no	no	no	no	no	part	part	yes	part	part	part	no	Very High	yes	500m	100m	no	Yes	
078643103	LAND FRONTING	BRADFORD STREET	Ladywood	River Rea	no	no	no	no	no	no	no	yes	part	yes	part	part	part	no	Very High	part	500m	100m	no	Yes	
078643104	LAND CORNER OF	HIGH STREET DERITEND AND STONE YARD	Ladywood	River Rea	no	no	no	no	no	no	no	part	part	yes	part	part	part	no	Very High	yes	500m	100m	no	Yes	
078643105	LAND CORNER OF	CHAPEL HOUSE STREET AND BRADFORD STREET	Ladywood	River Rea	no	no	no	no	no	no	no	yes	yes	yes	part	part	part	no	Very High	part	500m	100m	no	Yes	
078643106	LAND CORNER OF	HIGH ST DERITEND AND CHAPEL HOUSE ST	Ladywood	River Rea	no	no	no	no	no	no	no	yes	yes	yes	part	part	part	no	Very High	part	500m	100m	no	Yes	
078643200	LAND BOUNDED BY	BRADFORD ST & LOMBARD ST & CHEAPSIDE	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	250m	no	No	
078643300	LAND BOUNDED BY	BRADFORD ST & BIRCHALL ST & CHEAPSIDE	Ladywood	River Rea	no	no	no	no	no	no	no	yes	part	yes	part	part	part	no	Very High	part	500m	100m	no	Yes	
078643400	FORMER HARRISON DRAPE BUILDING	BRADFORD STREET	Ladywood	River Rea	no	no	no	no	no	no	no	part	part	yes	part	part	part	no	Very High	no	500m	250m	no	Yes	
078643600	BULL RING TRADING ESTATE	HIGH STREET DERITEND	Ladywood	River Rea	no	no	no	no	500m	no	no	part	part	part	part	part	part	no	N/A	part	250m	100m	yes	Yes	
078643700	LAND CORNER OF	BRADFORD STREET AND ALCESTER STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	250m	no	No	
078711100	LAND BETWEEN	PRICE STREET AND VESEY STREET	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
078711900	LAND BOUNDED BY	LENCH STREET & VESEY STREET	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
078713800	29	SHADWELL STREET	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
078713900	21	LOWER LOVEDAY STREET	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
078720300	ZONE 5	WOODCOCK STREET	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	part	no	N/A	no	no	no	no	Yes	
078720402	ASTON SCIENCE PARK	HOLT STREET AND LOVE LANE	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	part	part	part	no	N/A	no	no	no	yes	Yes
078722500	12	GOSTA GREEN	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No	
078722601	69	DARTMOUTH MIDDLEWAY	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
078722700	LAND BOUNDED BY	DARTMOUTH MIDDLEWAY & LISTER ST	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	no	no	N/A	no	no	no	no	Yes	
078731102	MARTINEAU GALLERIES	BETWEEN PRIORY QUEENSWAY AND MOOR ST	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	yes	Yes	
078731401	2 SNOW HILL PLAZA	SNOW HILL QUEENSWAY	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	no	no	Very Low	no	no	no	no	Yes	
078731402	1 SNOW HILL PLAZA	SNOW HILL QUEENSWAY	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	no	no	Very Low	no	no	no	no	Yes	
078731700	LAND BOUNDED BY	PRIORY QUEENSWAY AND CHAPEL STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	part	part	no	Very Low	no	no	no	yes	Yes	
078740701	LAND FRONTING	ALBERT STREET AND SEYMOUR STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
078740703	CORNER OF	MASSHOUSE LANE AND MOOR STT QUEENSWAY	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
078740704	ALBERT STREET		Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
078742100	SITE OF PARCELFORCE	CURZON STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	part	part	part	Low	no	250m	250m	yes	Yes	
078742300	LAND BOUNDED BY	JAMES WATT QUEENSWAY AND ASTON STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	no	no	yes	Yes
078742400	LAND AT	PARK STREET AND CURZON STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	500m	500m	yes	Yes	
078742500	CORNER OF	JENNENS ROAD AND CARDIGAN STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	500m	no	No	
078742700	ORMISTON ACADEMY	GROSVENOR STREET/JENNENS ROAD	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes	
078742800	LAND FRONTING MILLENNIUM POINT	CURZON STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	500m	500m	no	Yes	
078821400	LAND CORNER OF	ASTON ROAD NORTH AND AVENUE ROAD	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No	
078822000	LAND ADJACENT 2	HOLLAND ROAD WEST	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No	
078822100	ASTON MANOR SCHOOL	PHILLIPS STREET	Ladywood	River Tame	no	no	no	no	no	no	no	yes	no	yes	part	part	part	part	Moderate	no	no	no	no	Yes	
078831000	CENTRAL GATE	NEW TOWN ROW AND MILLER STREET	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No	
078831500	LAND BETWEEN	LOWER TOWER STREET AND CECIL STREET	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	part	no	no	Very Low	no	no	no	no	Yes	
078842000	LAND FRONTING	BRACEBRIDGE STREET	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	part	no	Moderate	no	no	no	no	Yes	
078941400	TOWER ROAD	BETWEEN LICHFIELD RD AND UPPER THOMAS ST.	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Low	no	no	no	yes	Yes	
079010900	LAND REAR	ASTON LANE	Ladywood	River Tame	no	no	250m	no	no	no	no	no	no	no	part	part	part	part	Very High	no	no	no	no	Yes	
079011000	76	WELLHEAD LANE	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	Very High	no	500m	500m	no	Yes	
079011100	BROADWAY SCHOOL	THE BROADWAY	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	part	part	part	part	Very High	no	no	no	yes	Yes	
079020603	FORMER IMI WORKS	WITTON ROAD	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	part	part	no	part	no	Very High	no	500m	500m	yes	Yes	
079020604	FORMER IMI WORKS	WITTON ROAD	Perry Barr	River Tame	500m	no	250m	no	no	no	no	no	part	part	part	part	part	part	Very High	part	250m	250m	yes	Yes	

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					Historic Flooding within 250m or 500m					Predicted Flooding								Groundwater Susceptibility			Flood Warning Zone					
					Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial				Surface Water											
											Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200		1 in 30									
079020606	FORMER IMI WORKS	WITTON ROAD	Perry Barr	River Tame	250m	no	250m	no	no	no	no	part	part	yes	part	part	no	part	no	Very High	yes	250m	100m	no	yes	
079020607	FORMER IMI WORKS	WITTON ROAD	Perry Barr	River Tame	no	no	250m	no	no	no	no	no	part	part	no	part	part	no	part	no	Very High	part	no	no	yes	Yes
079020608	FORMER IMI WORKS	WITTON ROAD	Perry Barr	River Tame	500m	no	500m	no	no	no	no	part	part	part	part	part	part	part	no	Very High	part	500m	500m	yes	Yes	
079020609	FORMER IMI WORKS	WITTON ROAD	Perry Barr	River Tame	500m	no	250m	no	no	no	no	part	part	part	part	part	part	part	no	Very High	part	250m	250m	yes	Yes	
079042600	320	WITTON ROAD	Ladywood	River Tame	no	no	250m	no	no	no	no	no	no	no	part	part	part	no	Very High	no	no	no	no	no	Yes	
079120114	HOLFORD PARK	THAMESIDE DRIVE	Perry Barr	River Tame	no	no	500m	no	no	no	no	part	part	part	part	part	part	part	no	Very High	part	250m	100m	no	Yes	
079120115	HOLFORD PARK	HOLFORD WAY	Perry Barr	River Tame	no	no	no	no	no	no	part	part	part	yes	part	part	part	no	Very High	part	500m	100m	yes	Yes		
079130800	HOLFORD DRIVE PLAYING FIELDS	HOLFORD DRIVE	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	part	part	part	part	no	part	no	Very High	part	500m	500m	yes	Yes	
079130900	116	ALDRIDGE ROAD	Perry Barr	River Tame	no	no	250m	no	no	no	no	no	no	no	no	part	no	no	Very High	no	250m	250m	no	Yes		
079210900	FORMER DEPOT	ALDRIDGE ROAD	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	500m	no	no	No	
079230502	359 TO 363	ALDRIDGE ROAD	Perry Barr	River Tame	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	250m	250m	no	No		
079230606	TAMESIDE PARK	ALDRIDGE ROAD	Perry Barr	River Tame	500m	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	250m	250m	no	No		
079240500	FORMER P & O CONTAINER DEPOT	COLLEGE ROAD	Perry Barr	River Tame	500m	no	no	no	no	no	part	part	part	part	part	part	part	part	Very High	no	100m	100m	yes	Yes		
088140500	BILLESLEY COMMON	YARDLEY WOOD ROAD	Selly Oak	River Cole	500m	no	500m	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	yes	Yes		
088312000	ABOVE 357 TO 363	LADYPOL ROAD	Hall Green	River Cole	no	no	250m	no	no	no	no	no	no	no	part	no	no	no	Very High	no	no	no	no	Yes		
088412200	142 TO 144	LADYPOL ROAD	Hall Green	River Cole	no	no	250m	500m	no	no	no	no	no	no	no	part	part	part	no	Very High	no	no	no	no	Yes	
088423401	CORNER OF	STRATFORD ROAD AND PALMERSTON ROAD	Hall Green	River Cole	no	no	250m	500m	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	Yes		
088423700	247 TO 249	STRATFORD ROAD	Hall Green	River Cole	no	no	250m	250m	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	Yes		
088423801	226 TO 252	HIGHGATE ROAD	Hall Green	River Cole	no	no	250m	500m	no	no	no	no	no	no	part	no	no	no	Very High	no	no	no	no	Yes		
088423802	254 TO 262	HIGHGATE ROAD	Hall Green	River Cole	no	no	250m	500m	no	no	no	no	no	no	part	no	no	no	Very High	no	no	no	no	Yes		
088423900	207	STRATFORD ROAD	Hall Green	River Cole	no	no	500m	250m	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	Yes		
088424000	316	HIGHGATE ROAD	Hall Green	River Cole	no	no	250m	500m	no	no	no	no	no	yes	part	part	part	part	Very High	no	no	no	no	Yes		
088424100	222 TO 224	HIGHGATE ROAD	Hall Green	River Cole	no	no	250m	500m	no	no	no	no	no	no	part	no	no	no	Very High	no	no	no	no	Yes		
088512000	LAND BOUNDED BY MOSELEY STREET	MOSELEY ROAD AND CHEAPSIDE	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	500m	no	Yes		
088512600	11 TO 19	MOSELEY ROAD	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	No		
088512700	98 AND 102 AND 106	MOSELEY ROAD	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes		
088512800	LAND CORNER OF WARNER STREET	BRADFORD STREET AND WARWICK STREET	Ladywood	River Rea	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	N/A	no	no	500m	no	No		
088521100	REGENTS PARK PRIMARY SCHOOL	ARTHUR STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No		
088533300	55 TO 81	STRATFORD ROAD	Hall Green	River Rea	no	no	no	no	no	no	no	no	no	part	no	no	no	no	Very Low	no	no	no	no	Yes		
088542200	LAND CORNER OF	SAMPSON ROAD AND FARM ROAD	Hall Green	River Rea	no	no	no	250m	no	no	no	no	no	no	part	no	no	no	Low	no	no	no	no	Yes		
088542300	LAND CORNER OF	GRANTHAM ROAD AND DOLOBRAN ROAD	Hall Green	River Rea	no	no	500m	250m	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	Yes		
088632500	230	BRADFORD STREET	Ladywood	River Rea	no	no	no	no	500m	no	no	no	no	no	no	no	no	no	N/A	no	500m	500m	no	No		
088632800	215	BRADFORD STREET	Ladywood	River Rea	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	500m	no	No		
088632900	11	BROMLEY STREET	Ladywood	River Rea	no	no	no	500m	no	no	no	no	part	part	no	no	no	no	N/A	no	100m	100m	no	Yes		
088642300	150	COVENTRY ROAD	Ladywood	River Rea	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	No		
088710301	LAND CORNER OF	JENNENS RD & BELMONT ROW & CARDIGAN ST	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	500m	no	No		
088710302	LAND CORNER OF	JENNENS RD & BELMONT ROW & CARDIGAN ST	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	500m	500m	no	Yes		
088710303	LAND CORNER OF	BELMONT ROW AND CARDIGAN STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	500m	no	No		
088710304	LAND FRONTING	BELMONT ROW	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	part	part	no	Very Low	no	500m	500m	no	Yes		
088721900	HEARTLANDS ACADAMY	GREAT FRANCIS STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	part	part	no	Very Low	no	500m	500m	yes	Yes		
088731800	LAND OFF	BELMONT ROW	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	500m	500m	no	Yes		
088731900	LAND CORNER OF	LAWLEY STREET MIDDLEWAY AND JENNENS ROAD	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	500m	500m	no	Yes		
088732000	FRONTING GOPSAL STREET AND	CARDIGAN STREET AND BELMONT ROW	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	500m	no	No		
088732100	LAND FRONTING	LAWLEY MIDDLEWAY	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	part	part	part	no	no	Very Low	no	500m	500m	no	Yes		
088732200	LAND FRONTING GOPSAL STREET	PENN STREET AND CARDIGAN STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	500m	no	No		
088732300	LAND CORNER OF	GOPSAL STREET AND PENN STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	500m	no	No		
088732400	LAND CORNER OF	PITT STREET AND LAWLEY MIDDLEWAY	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	500m	no	No		
088732500	LAND CORNER OF	LAWLEY MIDDLEWAY AND CURZON STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	250m	250m	no	No		
088811102	LAND BETWEEN	CHESTON RD & BIRMINGHAM TO FAZELEY CANAL	Ladywood	River Tame	no	no	no	no	no	no	part	no	yes	part	part	part	no	no	Very High	no	no	no	no	Yes		
088811600	ADJ BIRMINGHAM TO FAZELEY CANAL	CORNER OF ROCKY LANE AND CHESTER STREET	Ladywood	River Tame	no	no	no	no	no	no	no	yes	no	yes	part	no	no	no	Very High	no	no	no	no	Yes		
088821400	UNITS 5 TO 14	RAILWAY TERRACE	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	part	no	Low	no	500m	500m	yes	Yes		
088830800	WINDSOR STREET GAS WORKS	WINDSOR STREET	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	part	part	Low	no	no	no	yes	Yes		
088921400	LAND AT	PRIORY ROAD	Ladywood	River Tame	500m	no	500m	no	no	no	part	part	part	part	part	part	part	part	Very High	part	100m	100m	yes	Yes		
089130500	ATLAS INDUSTRIAL ESTATE	BROOKVALE ROAD	Perry Barr	River Tame	250m	no	250m	no	no	no	part	part	part	part	part	part	no	no	Very High	part	100m	100m	no	Yes		
089320400	LAND REAR OF 576 TO 580	COLLEGE ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	500m	no	No		
089341800	452	COLLEGE ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No		
098220700	858	STRATFORD ROAD	Hall Green	River Cole	500m	no	500m	500m	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	no	Yes		
098321900	GREET PRIMARY SCHOOL	PERCY ROAD	Hall Green	River Cole	250m	no	no	no	no	no	no	part	part	no	no	no	no	no	Very High	part	no	no	no	Yes		
098340700	ADJACENT 43	FORMANS ROAD	Hall Green	River Cole	250m	no	no	no	no	no	no	no	no	no	part	no	no	no	Very High	no	no	no	no	Yes		

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					Historic Flooding within 250m or 500m						Predicted Flooding								Flood risk Management Measures						
					Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial				Surface Water				Groundwater Susceptibility	Flood Warning Zone	Informal/ Formal Defences			Maintained Channel	
											Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m							0.1 - 0.3m
098420211	SMALL HEATH TRADING ESTATE	ARMOURY ROAD	Yardley	River Cole	no	no	no	no	500m	no	no	no	no	no	part	no	no	no	Very High	no	no	no	no	no	Yes
098442900	FORMER FISHER FOUNDRIES LTD	ALBION ROAD	Yardley	River Cole	500m	no	no	no	500m	no	no	no	no	part	part	no	part	no	Very High	no	no	no	no	no	Yes
098512100	361	COVENTRY ROAD	Ladywood	River Rea	no	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
098512200	90	JENKINS STREET	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
098512300	226	HERBERT ROAD	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	part	no	part	no	Low	no	no	no	no	no	Yes	
098521002	448 TO 454	COVENTRY ROAD	Ladywood	River Cole	no	no	no	500m	no	no	no	no	no	no	no	no	no	High	no	no	no	no	no	No	
098541600	DAYS INN HOTEL	GOLDEN HILLOCK ROAD	Hall Green	River Cole	no	no	no	no	no	no	no	no	no	part	no	no	no	Very High	no	no	no	no	no	Yes	
098622500	CONNECT DISTRIBUTION SERVICES	BORDESLEY GREEN ROAD	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	no	no	Yes	
098622600	BORDESLEY GREEN GIRLS SCHOOL	BORDESLEY GREEN ROAD	Ladywood	River Rea	no	no	no	500m	no	no	no	no	no	part	no	part	no	N/A	no	no	no	no	no	Yes	
098649000	235 TO 239	GREEN LANE	Ladywood	River Cole	no	no	no	500m	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	no	No	
098710109	47	DEVON STREET	Ladywood	River Rea	no	no	no	500m	no	no	no	no	no	no	no	no	no	Very High	no	500m	100m	no	no	No	
098711300	30	INKERMAN STREET	Ladywood	River Rea	no	no	no	500m	no	no	no	part	part	part	no	no	no	Very High	part	500m	100m	no	no	Yes	
098912300	LAND ADJACENT BOC	PLUME STREET	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	part	no	no	no	Very High	no	no	500m	no	no	Yes	
098912800	CUCKOO WHARF BUSINESS PARK	LICHFIELD ROAD	Ladywood	River Tame	no	no	250m	no	no	no	no	part	part	part	no	no	no	Very High	no	250m	100m	no	no	Yes	
098921100	32	WATSON ROAD	Ladywood	River Rea	no	no	no	no	no	no	no	no	no	part	no	part	no	Very High	no	250m	100m	no	no	Yes	
099030400	SALFORD METALS	LICHFIELD ROAD	Ladywood	River Tame	no	no	250m	no	no	no	no	part	part	part	no	no	no	Very High	no	100m	100m	no	no	Yes	
099110800	STOCKLAND GREEN CAMPUS	SLADE ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	500m	500m	no	no	No	
099120900	STOCKLAND GREEN SCHOOL	SLADE ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	500m	500m	yes	no	Yes	
099240300	162 TO 164	STREETLY ROAD	Erdington	River Tame	no	no	no	250m	no	no	no	part	no	part	part	part	part	Moderate	no	no	500m	no	no	Yes	
099411300	CURRYS LTD	PRINCESS ALICE DRIVE	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	no	Yes	
108240300	LAND OFF	WELBY ROAD	Hall Green	River Cole	no	no	no	no	no	no	no	no	no	no	part	no	no	N/A	no	no	no	no	no	Yes	
108310500	LAND CORNER OF	MANOR FARM ROAD AND WARWICK ROAD	Yardley	River Cole	500m	no	no	no	no	part	part	part	part	part	part	part	part	Very High	part	no	no	no	no	Yes	
108310601	SIGNAL POINT - PHASE 1	BATTERY WAY	Hall Green	River Cole	250m	no	no	no	no	no	no	no	no	part	no	no	no	Moderate	no	no	no	yes	no	Yes	
108310602	SIGNAL POINT - PHASE 2	BATTERY WAY	Hall Green	River Cole	250m	no	no	no	no	no	no	no	no	part	part	part	no	High	no	no	no	yes	no	Yes	
108310603	SIGNAL POINT - PHASE 3	BATTERY WAY	Hall Green	River Cole	250m	no	no	no	no	no	no	no	no	part	no	part	no	High	no	no	no	yes	no	Yes	
108411600	LAND REAR OF OAKFIELD HOUSE	TALBOT WAY	Yardley	River Cole	no	no	500m	no	250m	no	no	no	no	part	part	no	no	Very High	no	no	no	no	no	Yes	
108411700	SAPCOTE BUSINESS PARK	SMALL HEATH HIGHWAY	Yardley	River Cole	no	no	500m	no	250m	no	no	no	no	no	no	no	no	High	no	no	no	no	no	Yes	
108420700	LAND SOUTH OF	THE FORDROUGH	Yardley	River Cole	no	no	250m	no	500m	no	part	part	part	part	part	part	no	N/A	part	500m	no	yes	no	Yes	
108440400	HAY HALL WORKS	REDFERN ROAD	Yardley	River Cole	no	no	250m	no	500m	no	no	no	no	no	no	no	no	High	no	no	no	no	no	Yes	
108713100	SITE OF 2 TO 60	CLODESHALL ROAD	Hodge Hill	River Tame	no	no	500m	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	no	no	Yes	
108720900	LAND ADJACENT 409	ALUM ROCK ROAD	Hodge Hill	River Tame	no	no	250m	no	500m	no	no	no	no	part	no	no	no	N/A	no	no	no	yes	no	Yes	
108721000	LAND CORNER OF	ALUM ROCK ROAD AND ROCKVILLE ROAD	Hodge Hill	River Tame	no	no	250m	no	500m	no	no	no	no	part	no	part	no	N/A	no	no	no	yes	no	Yes	
108811100	LAND BETWEEN CHARTIST RD & ARLEY RD	FRONTING ASTON CHURCH ROAD	Hodge Hill	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	500m	500m	no	no	No	
108832000	PARK VIEW SCHOOL	NASEBY ROAD	Hodge Hill	River Tame	no	no	500m	no	500m	no	no	no	no	no	no	no	no	Very High	no	no	no	no	no	No	
108930600	FORMER ALSTOM SITE	COMMON LANE	Hodge Hill	River Rea	no	no	no	no	no	no	no	no	part	part	part	part	part	High	part	250m	250m	yes	no	Yes	
109011500	LAND REAR OF 1 TO 7	OVAL ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No	
109040600	33	STONEHURST ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	no	No	
109040700	288 TO 298	TYBURN ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	500m	no	no	No	
109121502	300	RESERVOIR ROAD	Erdington	River Tame	no	no	250m	no	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	no	no	Yes	
109141800	1 TO 3	WOOD END ROAD	Erdington	River Tame	no	no	250m	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	no	Yes	
109210300	157	SHORT HEATH ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No	
109420800	339 TO 341	JOCKEY ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	no	Yes	
118210200	242, 242a, 242b	SPRING ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	no	No	
118240400	ADJACENT 111	GREENWOOD AVENUE	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	no	No	
118431000	LAND ADJACENT 76	WHARFDALE ROAD	Yardley	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	no	Yes	
118431100	LAND REAR OF	REDFERN ROAD	Yardley	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	yes	no	Yes	
118431200	2	HAY HALL ROAD	Yardley	River Cole	no	no	250m	no	500m	no	no	no	no	part	part	part	part	Very High	no	no	no	yes	no	Yes	
118440400	TYSELEY WHARF	WHARF ROAD	Yardley	River Cole	no	no	250m	no	no	no	no	no	no	part	part	part	part	N/A	no	no	no	yes	no	Yes	
118541900	1202 TO 1210	COVENTRY ROAD	Yardley	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	no	no	no	Yes	
118542000	REAR OF 1202 TO 1210	COVENTRY ROAD	Yardley	River Cole	no	no	250m	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	no	no	no	Yes	
118542100	1270	COVENTRY ROAD	Yardley	River Cole	no	no	500m	no	no	no	no	no	no	part	no	no	no	Low	no	no	no	no	no	Yes	
118631300	YARDLEY GREEN HEALTH CAMPUS	YARDLEY GREEN ROAD	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	part	no	part	no	Low	no	no	no	yes	no	Yes	
118730200	SALTLEY SCHOOL	BELCHERS LANE	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	no	no	Yes	
118810700	WARD END JUNIOR AND INFANT SCHOOL	INGLETON ROAD	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	no	part	part	no	no	High	no	no	no	no	no	Yes	
118840300	749 AND 751	WASHWOOD HEATH ROAD	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	no	No	
118840400	818	ALUM ROCK ROAD	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	part	no	no	no	High	no	no	no	no	no	Yes	
118920500	SITE CORNER OF	BROMFORD ROAD AND FORT PARKWAY	Erdington	River Tame	no	no	no	no	no	no	no	yes	part	part	part	part	part	Very High	yes	250m	250m	yes	no	Yes	
118930102	HEARTLANDS CENTRAL	BETWEEN WOLSELEY DRIVE AND DREWS LANE	Hodge Hill	River Tame	no	no	no	no	no	no	no	part	part	part	part	part	part	Very High	part	250m	250m	yes	no	Yes	
118940501	LAND CORNER OF	BROMFORD LANE AND FAIRHOLME ROAD	Hodge Hill	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	500m	no	no	No	

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					Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial				Surface Water									
											Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m						
118940601	REAR OF BROMFORD INN PUBLIC HOUSE	BROMFORD LANE	Hodge Hill	River Tame	no	no	no	no	no	no	no	part	no	part	part	no	no	no	Very High	part	100m	100m	no	Yes
119040700	HASTINGWOOD INDUSTRIAL PARK	WOOD LANE	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	N/A	no	no	no	no	no	Yes
119111200	120 TO 146	HIGH STREET	Erdington	River Tame	no	no	500m	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
119231200	ADJACENT 4	ORPHANAGE ROAD	Erdington	River Tame	no	no	500m	500m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
119231500	NORMANHURST, 40	SUTTON ROAD	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
119331500	346 TO 352	GRAVELLY LANE	Erdington	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	No
119421000	156 TO 158	BIRMINGHAM ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	part	Very Low	no	no	no	no	no	Yes
119521700	21 TO 23A	BIRMINGHAM ROAD	Sutton Coldfield	River Tame	500m	no	500m	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	no	No
119640100	LAND FRONTING	BRASSINGTON AVENUE	Sutton Coldfield	River Tame	250m	no	500m	no	no	no	no	no	no	part	part	part	no	Very High	no	no	no	yes	Yes	
119821900	LAND CORNER OF	MERE GREEN ROAD AND LICHFIELD ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	part	part	part	no	Very Low	no	no	no	yes	Yes		
128130300	FORMER GOSPEL OAK PUBLIC HOUSE	GOSPEL LANE	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	no	No	
128311000	69 AND 71	YARDLEY ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	no	No	
128520600	554	HOB MOOR ROAD	Yardley	River Cole	no	no	500m	no	no	no	no	no	no	no	no	no	High	no	no	no	no	no	No	
128540100	SWAN SHOPPING CENTRE	CHURCH ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	part	no	part	Low	no	no	no	yes	Yes		
128540500	YARDLEY PRIMARY SCHOOL	HARVEY ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	part	part	no	Very High	no	no	no	no	no	Yes		
128620600	STECHFORD JUNIOR AND INFANT SCHOOL	ALBERT ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	500m	no	no	no	No	
128721000	LAND ADJACENT UNIT 3	RIVERSIDE DRIVE	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	no	No	
129010700	829	TYBURN ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	Very High	no	no	no	no	no	No	
129021000	ADJACENT 635	KINGSBURY ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	part	part	no	Very High	no	no	no	no	no	Yes	
129030700	UNIT 7	FORT PARKWAY	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	High	no	500m	500m	no	no	No	
129040700	STADCO LTD	VANTAGE WAY	Erdington	River Tame	no	no	no	no	no	no	no	no	part	no	no	no	Very High	no	no	500m	no	no	Yes	
129120800	ADJACENT 156	SPRINGTHORPE ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	part	no	no	no	High	no	no	no	no	no	Yes	
129310300	71	BROOKS ROAD	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	no	Yes	
129331101	65 AND 67	PENNS LANE	Sutton Coldfield	River Tame	no	no	250m	500m	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	no	Yes	
129511300	34	WHILE ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	no	No	
129620300	GOOD HOPE HOSPITAL	RECTORY ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	no	Yes	
138940400	CLOCK SERVICE STATION	COLESHILL ROAD	Hodge Hill	River Tame	no	500m	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	no	No	
138940500	LAND OFF SHAWSDALE RD	FIRS FARM ROAD AND ROUGHLEA AVENUE	Hodge Hill	River Tame	no	500m	no	no	no	no	no	no	part	no	no	no	Very High	no	no	no	no	no	Yes	
139040303	LAND ADJ FORT JESTER PUBLIC HOUSE	CHESTER ROAD	Erdington	River Tame	no	500m	no	no	no	no	part	part	part	part	part	no	Very High	part	100m	250m	yes	Yes		
139040600	FMR.STAGECOACH PUBLIC HOUSE	BERRANDALE ROAD	Hodge Hill	River Tame	no	250m	no	no	no	no	no	no	part	part	no	part	N/A	part	100m	250m	no	no	Yes	
139131100	ADJACENT UNIT A (ALLIED CARPETS)	KINGSBURY ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	part	no	part	N/A	no	no	no	no	no	Yes	
139131201	OPUS ASPECT	CHESTER ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	part	no	part	no	N/A	no	no	no	yes	Yes		
139131202	OPUS ASPECT	CHESTER ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	part	no	no	no	N/A	no	no	no	yes	Yes		
139131203	OPUS ASPECT	CHESTER ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	yes	Yes		
139131400	RAVENSIDe RETAIL PARK	KINGSBURY ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	part	no	part	no	Very High	no	no	no	no	no	Yes	
139140500	ABOVE UNITS 3 AND 4	CHESTER ROAD	Erdington	River Tame	no	no	no	no	no	no	no	yes	no	yes	part	no	Very High	yes	no	no	no	no	Yes	
139740900	THE WHITE HORSE PREMIER LODGE	WHITEHOUSE COMMON ROAD	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	no	Yes	
148630600	ADJACENT 79	BROADSTONE ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	part	no	part	N/A	no	no	no	no	no	Yes	
148720103	LAND BETWEEN	COLE HALL LANE AND LEA FORD ROAD	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	part	part	part	Very High	no	no	no	yes	Yes		
148720110	YARDLEY BROOK INDUSTRIAL ESTATE	LEAFORD ROAD	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	part	no	part	Very High	no	no	no	yes	Yes		
148720111	YARDLEY BROOK INDUSTRIAL ESTATE	LEA FORD ROAD	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	part	part	part	Very High	no	no	no	no	no	Yes	
149020500	FORMER SKYLARK PUBLIC HOUSE	FARNBOROUGH ROAD	Erdington	River Tame	no	no	no	no	no	no	yes	no	yes	no	no	no	Very High	yes	500m	500m	no	no	Yes	
149240600	SUNNYSIDE & BROOKLYN	KINGSBURY ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	part	part	part	N/A	no	100m	no	no	no	Yes	
149240700	MINWORTH INDUSTRIAL PARK	FORGE LANE	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	part	part	part	no	High	no	500m	no	yes	Yes		
149610208	ST GEORGES BARRACKS	RECTORY ROAD	Sutton Coldfield	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	Low	no	no	no	yes	Yes		
149640300	SITE OF NEW HALL J&I SCHOOL	WOODINGTON ROAD	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	part	part	part	no	N/A	no	no	no	no	no	Yes	
158310500	2259 TO 2297	COVENTRY ROAD	Yardley	River Cole	no	no	no	no	no	no	part	no	part	part	no	no	Very High	no	100m	250m	yes	Yes		
158531200	LAND ADJACENT RADLEYS PUBLIC HOUSE	SHELDON HEATH ROAD	Yardley	River Cole	500m	no	no	no	no	no	no	no	no	part	no	part	N/A	no	no	no	no	no	Yes	
158620600	FORMER TILE CROSS HALL	BLACKMOOR CROFT	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	no	No	
158641500	UNIT 4	BANNERLEY ROAD	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	Moderate	no	no	no	no	no	No	
158641700	LAND CORNER OF	BANNERLEY ROAD AND GRANBY AVENUE	Yardley	River Cole	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	no	No	
158641800	ROTADEX SYSTEMS HOUSE	MACKADOWN LANE	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	part	no	no	Moderate	no	no	no	no	no	Yes	
158810800	LAND FRONTING	OWNALL ROAD AND SHARD END CRESCENT	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	part	no	part	High	no	no	no	no	no	Yes	
158830600	27	PACKINGTON AVENUE	Hodge Hill	River Cole	no	no	no	no	no	no	no	no	no	part	part	part	High	no	no	no	no	no	Yes	
159010200		FARNBOROUGH ROAD	Erdington	River Tame	no	no	no	no	no	no	part	part	part	part	part	no	Very High	no	100m	100m	yes	Yes		
159130200	RIDINGS NURSING HOME	FARNBOROUGH ROAD	Erdington	River Tame	no	no	no	no	no	no	no	no	no	part	part	part	Very High	no	500m	500m	no	no	Yes	
159240900	MINWORTH GREEN BUSINESS CENTRE	KINGSBURY ROAD	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	no	No	
159440600	LINDA VISTA FARM (REAR OF)	BULLS LANE	Sutton Coldfield	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	no	No	
169110101	FORMER MINWORTH SEWAGE WORKS	WATER ORTON LANE	Sutton Coldfield	River Tame	no	no	no	no	no	no	part	part	part	yes	part	part	Very High	part	100m	100m	yes	Yes		

Site Reference	Address	Street Name	Constituency	Major Catchment	Sources of Flooding													Flood risk Management Measures			Over/ha	FRA Required		
					Historic Flooding within 250m or 500m						Predicted Flooding													
					Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water				Groundwater Susceptibility						
											Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200		1 in 30							
169110102	FORMER MINWORTH SEWAGE WORKS	WATER ORTON LANE	Sutton Coldfield	River Tame	no	no	no	no	no	no	part	part	part	part	part	part	no	Very High	part	250m	500m	yes	Yes	
169110105	FORMER MINWORTH SEWAGE WORKS	WATER ORTON LANE	Sutton Coldfield	River Tame	no	no	no	no	no	no	part	yes	yes	yes	part	part	part	no	Very High	part	100m	100m	yes	Yes
169110106	FORMER MINWORTH SEWAGE WORKS	WATER ORTON LANE	Sutton Coldfield	River Tame	no	no	no	no	no	no	part	part	part	part	part	part	no	Very High	yes	250m	250m	yes	Yes	
997710400	BIRMINGHAM GREAT PARK	BRISTOL ROAD SOUTH	Northfield	River Rea	no	no	no	no	no	no	no	no	no	no	no	no	no	High	no	no	no	no	No	
997830600	LAND FRONTING	NEW STREET AND ARDEN ROAD	Northfield	River Rea	250m	500m	no	no	no	no	no	no	no	no	no	no	no	N/A	no	no	no	no	Yes	

Figure K.2 - Commercial Sites Flood Risk Table

Site Reference	Address	Constituency	Major Catchment	Sources of Flooding																Flood risk Management Measures				Over 1ha	FRA Required				
				Historic Flooding within 250m or 500m									Predicted Flooding																
				Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Lidar2m	Lidar1m	LidarNone	Fluvial				Surface Water			Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences	Maintained Channel						
													Flood Zone 3a	Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30										
23a	Garrett's Green	Yardley	River Cole	250m	no	no	no	no	no	no	1000m	no	part	part	no	part	part	part	part	part	part	part	part	Very High	no	no	no	yes	yes
23c	Garretts Green	Hodge Hill	River Cole	no	no	no	no	no	no	no	1000m	no	yes	no	no	no	no	part	part	part	no	part	part	Very High	no	no	no	yes	yes
42a	Minworth Industrial Park	Sutton Coldfield	River Tame	no	no	250m	no	no	no	no	250m	no	yes	no	no	no	no	part	part	part	part	part	part	Very High	no	250m	no	yes	yes
49 + 50	Mainstream and surrounds + Blubesberry	Ladywood	River Rea	no	no	no	no	250m	no	no	250m	no	part	part	part	part	part	part	part	part	part	part	part	Very High	part	100m	100m	yes	yes
52a	Windsor Industrial Area	Ladywood	River Tame	no	no	no	no	no	no	no	1000m	no	part	part	no	part	no	part	part	part	part	part	part	Very High	no	no	no	yes	yes
52b	Aston Goss	Ladywood	River Tame	no	no	no	no	no	no	no	500m	no	part	part	no	part	part	part	part	part	part	part	part	Very High	no	500m	500m	yes	yes
54a	Corporation Street Area	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	yes	no	no	no	part	part	part	part	part	part	Low	no	no	no	yes	yes
54b	Phillips Street Area	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	yes	no	part	no	part	part	part	part	part	part	High	no	no	no	yes	yes
68a		Perry Barr	River Tame	no	no	no	no	no	no	no	250m	no	yes	no	no	no	no	part	part	part	part	part	part	Very High	no	500m	250m	yes	yes

Figure K.3 - Core Employment Areas Flood Risk Table

Site Reference	Development Type	Address	Constituency	Major Catchment	Sources of Flooding														Flood risk Management Measures			Over 1ha	FRA Required	
					Historic Flooding within 250m or 500m						Predicted Flooding								Groundwater Susceptibility	Flood Warning Zone	Informal/Formal Defences			Maintained Channel
					Watercourse	Surface Water	Sewer	Groundwater	Canal	Other	Fluvial			Surface Water										
											Flood Zone 3a	Flood Zone 3b	Climate Change	Flood Zone 2	1 in 200	1 in 30	0.1 - 0.3m	>0.3m						
LC4A	Local Centres	Newtown Shopping Centre	Ladywood	River Tame	no	no	500m	no	no	no	no	part	no	part	part	part	part	part	Low	no	no	no	yes	Yes
LC1	Local Centres	Perry Barr/Birchfield	Perry Barr	River Tame	no	no	250m	no	no	no	part	part	part	part	part	part	part	part	Very High	part	100m	100m	yes	Yes
LC3	Local Centres	Witton Road	Ladywood	River Tame	250m	no	250m	no	no	no	no	part	part	part	part	part	part	part	Very High	part	250m	100m	yes	Yes
LC2	Local Centres	Villa Road	Perry Barr	River Tame	no	no	250m	no	no	500m	no	no	no	no	part	no	no	no	Very Low	no	no	no	yes	Yes
LC6	Local Centres	Aston	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	part	part	Very High	no	500m	500m	yes	Yes
LC2	Local Centres	Lozells Road	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	no	no	yes	Yes
LC5	Local Centres	Wheeler Street	Ladywood	River Tame	no	no	no	no	no	no	no	part	no	part	no	no	no	no	Very Low	no	no	no	no	Yes
LC2A	Opportunity Sites for Local Centres	Lozells Road	Perry Barr	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
LC2B	Opportunity Sites for Local Centres	Villa Road	Perry Barr	River Tame	no	no	500m	no	no	500m	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
ED3	Education	Broadway School Annexe	Ladywood	River Tame	no	no	250m	no	no	no	no	no	no	part	part	part	no	Low	no	no	no	no	Yes	
ED2	Education	Holte, Mayfield and Lozells School	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	no	no	yes	Yes
ED3	Education	Broadway School & Sixth Form College	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	part	part	no	Very High	no	no	no	yes	Yes	
ED1	Education	Birmingham City University	Perry Barr	River Tame	no	no	250m	no	no	no	no	no	part	part	part	part	no	Very High	part	250m	250m	yes	Yes	
5	Housing Site	Broadway School Annex and Fire Station	Ladywood	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	Low	no	no	no	no	no	Yes
6	Housing Site	George's Park	Perry Barr	River Tame	no	no	250m	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
7	Housing Site	Radnor Road	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
HDP2	Housing Site	Wills Street / Overmoor Close	Perry Barr	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
10	Housing Site	Nursery Road / Church Street	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
11	Housing Site	Tame Road	Perry Barr	River Tame	250m	no	250m	no	no	no	part	part	yes	yes	part	part	part	no	Very High	part	500m	100m	no	Yes
HDP1A	Housing Site	Wheeler Street adjoining Holte School	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
HDP1B	Housing Site	Wheeler Street adjoining Holte School	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
1	Housing Site	Corner of Johnstone Street and Birchfield Road	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	no	Yes
x	Housing Site	Malthouse Gardens	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
15	Housing Site	Land rear of Anglseay Street/Burberry Street/Nursery Road	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
14	Housing Site	Naden Road	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
3	Housing Site	Former Siemens Site	Perry Barr	River Tame	250m	no	250m	no	no	no	part	part	part	part	part	part	part	part	Very High	part	100m	100m	yes	Yes
HDP3	Housing Site	North Newton	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	no	no	yes	Yes
LC1FA	Housing Site	Burton Wood Drive / Bridgelands Way	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	part	part	High	no	no	no	yes	Yes
LC1FB	Housing Site	Burton Wood Drive/ Bridgelands Way	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	part	part	Moderate	no	no	no	no	Yes
17	Housing Site	Carpenters Road	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
12	Housing Site	Lozells Street	Perry Barr	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
18	Housing Site	Wretham Road / Soho Hill	Perry Barr	River Tame	no	no	500m	no	no	500m	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
16	Housing Site	Roland Road	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	no	no	Very Low	no	no	no	no	Yes
MU1A	Mixed Use	New John Street West	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	part	part	part	Very Low	no	no	no	yes	Yes
MU1B	Mixed Use	New John Street West	Ladywood	River Tame	no	no	500m	no	no	no	no	part	no	part	no	no	no	no	Very Low	no	no	no	yes	Yes
MU2	Mixed Use	Churchill Parade	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
LC3	Mixed Use	Witton Road	Perry Barr	River Tame	500m	no	250m	no	no	no	no	no	no	part	part	no	no	no	Very High	part	500m	250m	no	Yes
LC4B	Mixed Use	Newbury Road	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	No
MU1	Mixed Use	New John Street West	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very Low	no	no	no	yes	Yes
LC1F	Mixed Use	Burton Wood Drive/Bridgelands	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	High	no	no	no	no	Yes
MU3	Mixed Use	Victoria Road/Park Circus	Ladywood	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	no	no	no	Yes
MU4	Mixed Use	Westwood Road / Dulverton Road	Perry Barr	River Tame	250m	no	250m	no	no	no	part	part	yes	yes	part	no	no	no	Very High	yes	500m	250m	no	Yes
MU5	Mixed Use	Former Clyde Tower	Ladywood	River Tame	no	no	500m	no	no	no	no	no	no	no	part	no	part	no	Very Low	no	no	no	no	Yes
LC2A	Mixed Use	Villa Cross	Perry Barr	River Tame	no	no	250m	no	no	no	no	no	no	no	no	no	no	no	Very Low	no	no	no	no	Yes
LC1C	Mixed Use	Crown and Cushion Public House	Perry Barr	River Tame	no	no	no	no	no	no	no	no	no	no	part	no	no	no	Very High	no	500m	500m	no	Yes
IRB	Industrial Regeneration	Brookvale Road	Perry Barr	River Tame	250m	no	250m	no	no	no	part	part	part	part	part	part	part	no	Very High	part	100m	100m	yes	Yes
IRB	Industrial Regeneration	Tame Road	Perry Barr	River Tame	250m	no	250m	no	no	no	part	part	part	yes	part	part	part	part	Very High	part	100m	100m	yes	Yes
IRA	Industrial Regeneration	Newtown Row	Ladywood	River Tame	no	no	no	no	no	no	part	no	part	part	part	part	part	part	Moderate	no	no	no	yes	Yes
R1-R6	Regional Investment Site	Aston Hall Road/PrioryRoad/Queens Road	Ladywood	River Tame	250m	no	250m	no	no	no	part	part	part	part	part	part	part	part	Very High	part	100m	100m	yes	Yes
H6 & H7	Housing Regeneration	Newtown & Lozells	Perry Barr	River Tame	no	no	250m	no	no	500m	no	part	no	part	part	part	part	part	Very Low	no	no	no	yes	Yes

Figure K.4 - Aston, Lozells & Newtown AAP Sites Flood Risk Table

Appendix L – SUDS Suitability Tables

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
CC1	Ledsam Street	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC10	Barr Street 154-156	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC101	Jcn of Bristol St / Belgrave Middleway / Sherlock St	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
CC102	Adj Magnolia House, Highgate St	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC103	Emily St / Dymoke St / Darwin St, Highgate	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC104	Fmr Fire Station, Aston St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC106	Btw Fazeley St / River Rea / Canal	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
CC107	Jcn of Fazeley St / Pickford St	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	part	part	No
CC108	Jcn of New Canal St / Fazeley St	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC111	Conybere Street 142 148	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC110	Btw Barford S / Rea St South / Moseley St	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
CC111	Btw Sherlock St / Hurst St / Bishop St	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
CC112	Btw Sherlock St / Bishop St / Barford St	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
CC113	Rea St South	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
CC116	Jcn of Essex St / Bristol St	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC118	4 AND 5, MARY STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC119	35 TO 38, SUMMER HILL ROAD	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC12	St Lukes Site F	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
CC123	36, TENBY STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC125	CENTRAL HALL, CORPORATION STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC126	5, POWELL STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC127	SITE OF BLAKEMERE HOUSE AND LAND AT, MORVILLE STREET	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
CC128	30 TO 33, SHERBORNE STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC129	OLD UNION MILL, GROSVENOR STREET WEST	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC13	Cuild Close 41	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
CC130	FORMER COUNCIL DEPOT, SHERBORNE STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC131	LAND CORNER OF, SHEEPCOTE STREET AND BROAD STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC132	LAND CORNER OF, CARVER STREET AND WARSTONE LANE	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC133	41 AND 42, TENBY STREET NORTH	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC134	THE BIRMINGHAM MINT, ICKNIELD STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC135	LAND BOUNDED BY, POPE STREET AND MORETON STREET AND CARVER STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC136	47 TO 50, TENBY STREET NORTH	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC137	92 TO 95, CARVER STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC138	86 AND 87, CARVER STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC139	LAND FRONTING, CARVER STREET AND POPE STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC140	LAND FRONTING, CARVER STREET AND POPE STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC141	LAND ADJACENT BIRMINGHAM MINT, PEMBERTON STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC142	FORMER SANDPITS INDUSTRIAL ESTATE, SUMMER HILL STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC143	121 TO 137, CAMDEN STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC144	12 AND 12A, LEGGE LANE	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC145	37 TO 55, CAMDEN STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC146	16 TO 26, HYLTON STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC147	LAND AT, GREAT COLMORE STREET AND GRANT STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC148	LAND BOUNDED BY, LEE BANK MIDDLEWAY AND BELL BARN ROAD AND SPRING STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC149	LAND BOUNDED BY, LEE BANK MIDDLEWAY AND BELL BARN ROAD AND SPRING STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
CC15	Land bounded by Barr St / Smith St / Well St / Hockley St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC150	LAND BOUNDED BY, LEE BANK MIDDLEWAY AND SPRING STREET AND BRISTOL STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
CC151	LAND CORNER OF, SUFFOLK STREET QUEENSWAY AND HOLLIDAY STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC152	LAND FRONTING, HOLLIDAY STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC153	LAND CORNER OF, HOLLIDAY STREET AND BRIDGE STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC154	LAND BOUNDED BY, STEPHENSON STREET AND HILL STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC155	212 TO 223, BROAD STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC156	25 TO 45, COMMERCIAL STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC157	LAND CORNER OF, GRANVILLE STREET AND HOLLIDAY STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC158	LAND CORNER OF, RIDLEY STREET AND WASHINGTON STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC159	LAND FRONTING AND ADJACENT TO 20, EXETER STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
CC16	Jcn of Well St / Barr St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC160	ADJACENT TO 126, SUFFOLK STREET QUEENSWAY	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC161	LAND CORNER, EXETER PASSAGE AND WINDMILL STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC162	LAND BETWEEN, FLORENCE STREET AND ERNEST STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC163	LAND FRONTING, ERNEST STREET AND FLORENCE STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC164	SITE OF 83 TO 92, BROMSGROVE STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC165	79 TO 83, HOLLOWAY HEAD	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC166	66 TO 68, SEVERN STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC167	43 TO 49, NORTHWOOD STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC168	50 TO 60, NORTHWOOD STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC169	5 TO 8, CAROLINE STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC17	Jcn of Hockley St & Great Hampton St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC170	14 TO 16, REGENT PARADE	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC171	35, VYSE STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC172	FORMER BONDS NIGHTCLUB, HAMPTON STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC173	SITE OF 11 TO 15, SUMMER LANE	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC174	86, OLD SNOW HILL	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC175	LAND CORNER OF, EDWARD STREET AND HELENA STREET AND SCOTLAND STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC176	SITE OF CONVENTION SERVICE STATION, THE PARADE	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC177	3 TO 5, LEGGE LANE	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC178	LAND CORNER OF, NEWHALL STREET AND CHARLOTTE STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC179	29, LEGGE LANE	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC18	Land bounded by Barr St / Smith St / Hockley St / Harford St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC180	23 TO 26, GEORGE STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC181	109 TO 138, NORTHWOOD STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC182	100, CHARLOTTE STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC183	32 TO 36, ALBION STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC184	LAND ADJACENT 5, SCOTLAND STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC185	LAND BOUNDED BY, GREAT CHARLES STREET AND LUDGATE HILL AND LIVERY STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC186	SNOW HILL SITE, SNOW HILL QUEENSWAY AND ST CHADS CIRCUS	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC187	1 AND 2, MARY ANN STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC188	REAR OF 6 TO 16, SMITH STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC189	66 AND 67, GREAT HAMPTON STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC19	Land bounded by Harford St / Great Hampton Row / Barr St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC190	LAND BOUNDED BY, WRENTHAM STREET AND KENT STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
CC191	SITE OF BARFORD HOUSE, LAWFORD GROVE, GOOCH STREET	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
CC192	SITE OF DUNCHURCH HOUSE, SPOONER CROFT, SHERLOCK STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
CC193	113, MOSELEY STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC194	150 TO 159, MOSELEY STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC195	FORMER WESTMINSTER WORKS, ALCESTER STREET AND CHEAPSIDE	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC196	SITE OF PRINCETHORPE TOWER, CONYBERE STREET	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
CC197	28 TO 58, BERRINGTON WALK	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
CC198	10, ST. LUKES ROAD	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
CC199	BARROW WALK, ST.LUKES ROAD	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
CC2	83 TO 97, CAMDEN STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC20	Land bounded by Buckingham St / Mott St /Great Hampton Row / Howard Row	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC200	BERRINGTON WALK, ST. LUKES ROAD	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
CC201	LAND BETWEEN, FREEMAN STREET AND ALBERT STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC202	123 TO 143; 3-5 PARK STREET, 81-93 ALLISON STREET, DIGBETH	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
CC203	TYPHOO WHARF, BORDLESLEY STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	part	part	No
CC204	130 TO 134, BROMSGROVE STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
CC205	139 TO 141, BROMSGROVE STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
CC206	FORMER SILVER BLADES ICE RINK, PERSHORE STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
CC207	LAND BOUNDED BY, BRADFORD STREET AND BIRCHALL STREET AND GREEN STREET	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	part	No
CC208	LAND CORNER OF, BRADFORD STREET AND REA STREET	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
CC209	LAND FRONTING, BRADFORD STREET	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
CC21	Land bounded by Grat Hampton St / Harford St / Barr St / Grat Hampton Row	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC210	LAND CORNER OF, HIGH STREET DERITEND AND STONE YARD	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
CC211	LAND CORNER OF, CHAPEL HOUSE STREET AND BRADFORD STREET	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
CC212	LAND CORNER OF, HIGH STREET DERITEND AND CHAPEL HOUSE STREET	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
CC213	LAND BOUNDED BY, BRADFORD STREET AND LOMBARD STREET AND CHEAPSIDE	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC214	LAND BOUNDED BY, BRADFORD STREET AND BIRCHALL STREET AND CHEAPSIDE	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
CC215	FORMER HARRISON DRAPE BUILDING, BRADFORD STREET	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	part	No
CC216	BULL RING TRADING ESTATE, HIGH STREET DERITEND	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
CC217	LAND CORNER OF, BRADFORD STREET AND ALCESTER STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC218	46 TO 48, BRADFORD STREET	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
CC219	MARTINEAU GALLERIES, BETWEEN PRIORY QUEENSWAY AND MOOR STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC22	Land bounded by Great Hampton St / Barr St / Hockley St / Harford St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC220	LAND BOUNDED BY, PRIORY QUEENSWAY AND CHAPEL STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC221	LAND FRONTING, ALBERT STREET AND SEYMOUR STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC222	SITE OF PARCELFORCE, CURZON STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	part	part	No
CC223	LAND BOUNDED BY MOSELEY STREET, MOSELEY ROAD AND CHEAPSIDE	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC224	LAND FRONTING, CHEAPSIDE AND MOSELEY STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC225	11 TO 19, MOSELEY ROAD	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC226	98 AND 102 AND 106, MOSELEY ROAD	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
CC227	ADJACENT RIVER REA AND, MONTAGUE STREET	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
CC228	230, BRADFORD STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC229	LAND CORNER OF, WARNER STREET AND WARWICK STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC23	Jnc of Barr St & Hockley St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC230	LAND ADJACENT 83, WARWICK STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC231	215, BRADFORD STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC232	CURZON GATEWAY, CURZON STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	part	part	No
CC233	LAND CORNER OF, LAWLEY STREET MIDDLEWAY AND JENNENS ROAD	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC234	LAND FRONTING, LAWLEY MIDDLEWAY	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC235	LAND CORNER OF, GOPSAL STREET AND PENN STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC236	LAND CORNER OF, PITT STREET AND LAWLEY MIDDLEWAY	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC237	LAND CORNER OF, LAWLEY MIDDLEWAY AND CURZON STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC238	36, KEY HILL DRIVE	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC239	119 TO 123, BRANSTON STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC24	Electricity Board land, Summer Row	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC240	27, TENBY STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC241	30.32 & 34, VITTORIA STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC242	111-112, DIGBETH	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC243	39, WARSTONE LANE	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC244	73 TO 77, SPENCER STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC245	27 AND 28, PEMBERTON STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC246	6 TO 7, LEGGE LANE	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC247	18 AND 19, CAROLINE STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC248	8 TO 10, TENBY STREET NORTH	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC249	2 TO 18, VITTORIA STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC25	Land bounded by Constitution Hill / Henrietta St / Hampton St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC250	32, FREDERICK STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC251	13 TO 15, CAROLINE STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC252	57 TO 59, TENBY STREET NORTH	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC253	14 AND 15, FREDERICK STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC254	64 AND 66, BRANSTON STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC255	35 TO 37, CARRS LANE	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC256	44, BRADFORD STREET	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
CC257	234 TO 236, BRADFORD STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC258	5 to 10 Bishopsgate Street	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC259	Hanley Street & Lower Loveday Street	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC26	Land bounded by Hospital St / Summer La / Henrietta St / Hampton St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
CC260	Globe Works	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC261	Bagot Street & Lancaster Street City	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC262	Lench St/Vesey St/Lancaster St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC27	1-3 Bond St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC28	27-51 Constitution Hill	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC29	Land bounded by Henrietta St / Buckingham Rd / Hampton St / Hospital St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC30	Land bounded by Hampton St / Motts St / Buckingham St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC31	Land bounded by Motts St / Howard St / Hampton St / Constitution Hill	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC32	Land btw Great Hampton St / Mott St / Howard St / Constitution Hill	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC33	Rear of 70 -80 Unett St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC34	Lower Loveday St / Hanley St / Princip St / New Town Row	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC35	Jcn of Band St & Constitution Hill	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC36	Bounded by Blucher St / Brownsea Dr / Ellis St / Gough St	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC37	Public House - 14 Gough St	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC38	Land btw Chapmans Passage / Marshall St / Holloway Head / Blucher St	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC39	Jcn Florence St / Holloway Head / Earnest St	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC40	Upper Gough St / Washington St / Marshall St / Holloway Head	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC41	Blucher St / Marshall St / Upper Gough St / Chapmans Passage	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC42	Adj 240 Holiday St	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC43	82 Granville St	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC44	Gas St / Berkely St	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC45	55 - 65 Grosvenor St West	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC46	Sand Pits / Clement St / Nelson St / Summerhill St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC47	Adj 23 Pitsford St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC48	Land bounded by Icknield St / Pickford St / Railway	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC49	Car Park, Weaman St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC50	Printing House St / Whittall St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC54	Land off Warstone Parade & Pemberton St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC56	62-77 Warstone La	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC57	109 - 119 Carver St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC58	35-38 Carver St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC59	Land bounded by Moreton St / Carver St / Icknield St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC60	Summer Hill Rd / Powell St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC61	Jcn of Powell St / Summer Hill Terrace	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC62	Jcn of Camden St / Albion St / Pope St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC63	Btw Camden St / Albion St / Camden Dr	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC64	Carver St / Sand Pits / Arthur Place	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC65	Legge La / Camden Dr /Slone St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC67	Land both sides of Holland St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC68	156-170 Newhall St / 35 Charlotte St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC71	86 - 86C Old Snow Hill	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC72	Warehouse, Corner Lionel St / Ludgate Hill	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC73	Mary Ann St btw Consitution Hill & Railway	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC74	The Square, Ryland St	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC75	Windmill St / Exeter Passage	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC76	Land btw Old Show Hill / Lionel St / Railway	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC77	Btw 62 & 90 Constitution Hill	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC79	Land btw Coventry St / Meridan St / Allison St / Railway	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
CC80	Land btw Meridan St / Oxford St / Coventry St / Railway	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
CC81	Land btw Allison St / Coventry St / Meridan St	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
CC82	24-48 Moseley Rd	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC84	116 - 134 Bradford St	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC85	206 - 221 Bradford St	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC86	Land btw Green St & Bradford St	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
CC87	Mosseley St / Rea St / Cheapside / Charles Henry St	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
CC88	Rea St / Land bounded by Moseley St / Bradford St / Barford St	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
CC89	St Eugenes Court Rea ST	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
CC90	Btw High St Deritent / Mill La / Bradford St	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC91	Wholesale markets , Barford St	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	part	No
CC92	Land bounded by Claybrook St / Skinner La / Pershore St / Hurst St	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC93	Hurst St / Sherlock St / Skinner La / Pershore Rd	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC94	Land at Bromsgrove / Kent St / Hurst St	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
CC95	Btw Lower Exxes St / Kent St / Sherlock St / Hurst St	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
CC96	Bromsgrove St / Gooch St North / Kent St	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
CC97	Bounded by Bromsgrove St / Henstead St / Gooch St North / Kent St	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
CC98	Jcn of Bristol St / Bromsgrove St	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
CC99	Rear of 80 - 104 Bristol St	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
E10	REAR 230 FOX HOLLIES ROAD & 75-79 HAZELWOOD ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E100	61 - 67 Austy Close	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E101	Adj The Comet Public House, Collingbourne Ave	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E103	Adj 138 Shawdales Rd	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
E105	16 Coleshill Rd	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E106	Btw 17 Hyperion Rd & 7 Papyrus Way	Hodge Hill	River Tame	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	part	No
E107	Adj 17 Papyrus Way	Hodge Hill	River Tame	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
E108	Jcn of Tipperary Cl & Trigo Croft	Hodge Hill	River Tame	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
E109	Adj 7 - 17 Hyperion Rd	Hodge Hill	River Tame	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
E110	Land Adj 25 Trigo Croft	Hodge Hill	River Tame	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
E111	Rear of 19 - 25 Trigo Croft	Hodge Hill	River Tame	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
E112	Land bounded by Coventry Rd/ Bolton Rd/ Arther St	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E113	Rear of 389 - 393 Coventry Rd	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E114	12 - 18 Whitmore Rd	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E115	56 Golden Hillcock Rd	Ladywood	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E116	Rear of 87 - 101 Bordesly Green	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E117	Rear of 1 - 15 Wheatlands Croft	Hodge Hill	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E118	Shard End Crescent	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E119	25 Chaffcombe Rd	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
E120	Coventry Rd / Wagon La	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
E121	Fmr GPO repeater station, Coventry Rd	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E128	Land to side & rear of 6 - 20 Rotherfield Rd	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E129	Land adj 29-31 Manston Rd / 38-39 Chestnuts Ave	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E130	Land adj 33-35 Manston Rd / 40-42 Chestnuts Ave	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E131	Land adj 47-49 Downsfield Rd / 28-30 Manston Rd	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	part	Yes
E132	Land Adj 28-30 Comberton Rd / 37-39 Chestnuts Ave	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E133	41-43 Land adj Chestnuts Ave / 32-34 Comberton Rd	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E135	Jcn of Rotherfield Rd / Lilleshall Rd	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E136	land btw 143 & 159 Muntz St	Hodge Hill	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E137	Kieran's Place public house, Muntz St	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E138	Jcn Green La / Third St	Hodge Hill	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E139	45-51 Blake St	Hodge Hill	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E14	1719 TO 1721, COVENTRY ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E140	Jcn of Bordsley Green / Blakeland St	Hodge Hill	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E141	Adj 275 Belchers La	Hodge Hill	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E142	Adj 87 Wright St	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
E143	Land bounded by Highgate Pl / Kyrwicks La / Railway	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E144	Jcn of Kyrwicks La / Auckland Rd	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E145	Land btw Railway & Auckland Rd	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
E146	Jcn of Stratford Rd / Priestly Rd	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E147	Land btw Stratford Rd / Ackland St /	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E148	Land at jcn of Stratford Rd & Kyotts Lake Rd	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E149	Land adj 67 Montgomery St	Hall Green	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E15	SITE OF FORMER LOCK UP GARAGES, ROCKLAND DRIVE	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	part	Yes
E150	Jcn of Moseley Rd / Clifton Rd	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
E151	Land adj 5 George St	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E152	Btw Highgate Rd & Whitbourne Cl	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E153	Jcn of Alfred St / Stoney La	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E154	Rear of 160-170 Ombersley Rd	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E155	Royal Oak Public House, Jcn of Alfred St & Stoney La	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E156	Clifton Hose, Clifton Rd	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E157	Jcn of Edward Rd & Harbury Rd	Hall Green	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
E158	Btw Pershore Rd & Alexandra Rd	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
E159	Land btw Sampson Rd North, Bordesley Middleway & canal	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E160	Rear of 221 Hallam St	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E161	146-156 Weston Lane	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E162	Land between 409 & 427 Warwick Rd	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E163	Land between Olton Boulevard West & Spring Rd	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
E164	Corner of Shaftmoor La & Runnymede Rd	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E165	Percy Rd / Evelyn Rd	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	part	No
E166	Land btw Spring Rd / Lyncroft Rd / Springcroft Rd	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E167	Rear of 4-72 Weston Rd	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E168	12 - 14 Baker St	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
E169	Rock Rd / Rockville Rd	Hodge Hill	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
E17	New Meadway Housing1	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	part	Yes
E170	Adj 301Alun Rock Rd	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
E171	Jcn of Adderly Rd / Adderly Gardens	Hodge Hill	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E172	Ludlow Rd / Hancock Rd	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
E173	75-115 Ralph Rd	Hodge Hill	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E174	Rear of 140-150 Yardley Fields Rd	Yardley	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E175	Land Ajoining Canal south of Woodcock Lane North	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	part	No
E176	Site between 133 & 131a Short Heath Road	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E177	308 & 310 Gravelly Lane	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E178	Site off Sutton Road to rear of 45 & 47 Orchard Road	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E179	86 Orphanage Road including adjacent site	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E18	New Meadway Housing 2	Hodge Hill	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E180	Adjacent to 59 Allman Road	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
E181	Site to rear of 105-113 Baginton Road	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E182	Site to rear of 128-138 Stornoway Road	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
E183	Site of Birches Green Evangelical Free Church adjacent to 84 Bromford Lane	Erdington	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E184	Site of Public Baths Farnborough Road	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E185	Industrial units & site, Hanson's Bridge Road	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
E186	10 Compton Road	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E187	Slade Road/Broomfield Raod	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E188	Slade Road/Victoria Road	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E189	275 Marsh Hill	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E190	395 George Road wider site including Brookvale Park	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E191	4-28 Hunton Road	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E192	Garages adjacent 1-6 Fernfail Court	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E193	42 & 44 Grayshott Close and garages	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E194	To the rear of 33-21 The Parklands	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E195	24 Scaffell Drive & garages	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E196	Kings Road, Stockland Green	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E197	2 Clarence Road	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E198	71 Fentham Road	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E199	47 Woodend Road	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E2	THE KINGS CHRISTIAN CENTRE, OMBERSLEY ROAD CNR. WOODFIELD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E20	Alderpitts 51 garages	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
E200	37 & 37 Kingsmere Close and garages	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E201	Garages Wentworth Court	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E202	19 Hillaries Road	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
E203	Garages Marshfield Gardens	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E204	480 Slade Road	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E205	Between Marsh Hill and Dallas Road	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E206	Short Heath Road	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E207	Rear of 110-116 Summer Road	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E208	Ansell Road/Tyburn Road	Erdington	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E209	Eachelhurst Road	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E21	Berkeley Road 177	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
E211	Lyndhurst Estate	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E212	Topcroft Road (rear 8)	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E213	Jarvis Road Erdington PFI	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E214	51 Bordesley Green	Ladywood	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E215	LAND FRONTING, PERSHORE ROAD	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E216	LAND ADJACENT 52, ORCHARD WAY	Hall Green	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
E217	50 TO 52A, EDGBASTON ROAD	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
E218	36, EDGBASTON ROAD	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
E219	ADJACENT 78, TINDAL STREET	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
E22	Bordesley Green East 624	Yardley	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
E220	538 TO 540, MOSELEY ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E221	REAR OF 19 TO 27, WOODLANDS ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
E222	LAND ADJACENT 20, WINDERMERE ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
E223	WORKS ADJACENT 113, WOODFIELD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E224	BETWEEN 16 AND 18, LONG STREET	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E225	CORNER OF, STRATFORD ROAD AND PALMERSTON ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
E226	REAR OF 15, ST PAULS ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E227	26, KYOTTS LAKE ROAD	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E228	55 TO 81, STRATFORD ROAD	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E229	LAND BETWEEN 37 AND 51, MONTGOMERY STREET	Hall Green	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E23	Clement Road 194	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E230	LAND ADJACENT 11, BRAITHWAITE ROAD	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E231	220, WAKE GREEN ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
E232	ADJACENT 43, FORMANS ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
E233	ADJACENT 94, OSBORN ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E234	AND 62, BARROWS ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E235	6, FALLOWS ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E236	79, WARWICK ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
E237	LAND ADJACENT 41, FRASER ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
E238	361, COVENTRY ROAD	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E239	SITE OF 1 AND 1A, LLOYD STREET	Yardley	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E24	East Meadway 166	Hodge Hill	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E240	7, HENSHAW ROAD	Ladywood	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E241	235 TO 239, GREEN LANE	Ladywood	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E242	LAND ADJACENT 221, LITTLE GREEN LANE	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E243	LAND CORNER OF, MUNTZ STREET AND GRANGE ROAD	Ladywood	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E244	ADJACENT TO 14, SAINT SAVIOURS ROAD	Hodge Hill	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E245	8 TO 9, ARLEY ROAD	Hodge Hill	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E246	28, HAVELOCK ROAD	Hodge Hill	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E247	FORMER MEB DEPOT, GEORGE ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E248	11, THE DRIVE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E249	470, SLADE ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E25	Enford Close 22	Hodge Hill	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E250	187, JERRYS LANE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E251	334 TO 338, LADYPOOL ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E252	74, COLLEGE ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
E253	1756 TO 1758, COVENTRY ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E254	8, RALPH ROAD	Hodge Hill	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
E255	31, SHIRLEY ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	part	No
E256	16, LATELOW ROAD	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E257	FORMER ALSTROM OFFICE, LEIGH ROAD	Hodge Hill	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E258	796, WASHWOOD HEATH ROAD	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E259	728 TO 732, STRATFORD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E26	Fir Farm Drive 20	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E260	306, STATION ROAD	Yardley	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
E261	133 TO 141, REDDINGS LANE	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E262	95, REDDINGS LANE	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E263	FORMER BREED STEERING SYSTEMS LTD, SPRING ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E264	35 TO 53, SPRING ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Low	no	no	No
E265	8 TO 14, ST OSWALDS ROAD	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E266	LAND ADJACENT 163, MANSEL ROAD	Hodge Hill	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E267	252 TO 254, SOMERVILLE ROAD	Hodge Hill	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
E268	LAND BETWEEN 58 TO 64, BLAKELAND STREET	Hodge Hill	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E269	514 TO 522, GREEN LANE	Hodge Hill	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E27	Gerardsfield Road 14	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E270	55, HOB MOOR ROAD	Hodge Hill	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E271	2 TO 52, RAYMOND ROAD	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
E272	38 TO 64, BETWEEN HARTOPP ROAD AND CLODESHALL ROAD	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E273	61 TO 89, CLODESHALL ROAD	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E274	32 TO 50, COUCHMAN ROAD	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
E275	2 TO 30, COUCHMAN ROAD	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E276	1 TO 59, CLODESHALL ROAD	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E277	LAND CORNER OF, COUCHMAN ROAD AND PARKFIELD ROAD	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
E278	10, HIGHFIELD ROAD	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E279	ADJACENT 78, PARKFIELD ROAD	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
E28	Giles Close	Yardley	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E280	29 TO 85, NASEBY ROAD	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E281	LAND REAR OF 11 TO 27, FOXTON ROAD	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E282	LAND ADJACENT 409, ALUM ROCK ROAD	Hodge Hill	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
E283	1 TO 79, FARNDON ROAD	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E284	ADJACENT TO 18, WARREN ROAD	Hodge Hill	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E285	ADJACENT 183, HIGHFIELD ROAD	Hodge Hill	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E286	ADJACENT 139, WOOD END LANE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E287	95, OVAL ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E288	830-832, STRATFORD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E289	FORMER HIGHCROFT HOSPITAL SITE, HIGHCROFT ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E29	Gossey Lane 68	Hodge Hill	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E290	FORMER HIGHCROFT HOSPITAL SITE, HIGHCROFT ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E291	FORMER HIGHCROFT HOSPITAL SITE, HIGHCROFT ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E292	300, RESERVOIR ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E293	117, GRAVELLY HILL NORTH	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E294	ADJACENT 2A, ROLLASON ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E295	LAND ADJACENT 91, TEDBURY CRESCENT	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E296	REAR OF 296 TO 306, GRAVELLY LANE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E297	LAND ADJACENT 7 TO 9, HAYWARDS CLOSE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E298	99 TO 103, STATION ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E299	72 AND 74, BROOK MEADOW ROAD	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E30	Heath Way adj 426	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E300	2 SEVERNE ROAD AND, 221 GOSPEL LANE	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E301	124, WOOD END ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E302	244, HIGH STREET	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E303	189, HIGH STREET	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E304	1121, WARWICK ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	part	No
E305	354 TO 356, STRATFORD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
E306	ABOVE 247, HIGH STREET	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E307	ABOVE 332, HOBBS MOAT ROAD	Yardley	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E308	39, ST PAULS ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
E309	111, HIGH STREET	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E31	Hollyberry Croft adj 3	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
E310	134, SUTTON ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E311	242, 242a, 242b, SPRING ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E312	SITE OF 1 TO 31, KNIGHTS ROAD	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
E313	SITE OF 1 TO 31, KNIGHTS ROAD	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E314	113 ARDEN ROAD AND, 42 AND 44 FLINT GREEN ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E315	1 TO 7, SHERBOURNE ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E316	REAR OF 95 TO 97, ARDEN ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E317	LAND ADJACENT 139, WESTLEY ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E318	REAR OF 51 TO 55, BROAD ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E319	1073, WARWICK ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E32	Hollyberry Croft adj 8	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E320	59, REDHILL ROAD	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E321	LAND ADJACENT 148, STOCKFIELD ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E323	94 TO 100 AND LAND ADJACENT, HOB MOOR ROAD	Hodge Hill	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E324	COTTERILLS LANE	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E325	2 TO 64, WARD CLOSE	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E326	5, DEAKIN ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E327	LAND ADJACENT 161, DREWS LANE	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
E328	REAR OF BROMFORD INN PUBLIC HOUSE, BROMFORD LANE	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E329	SITE OF 1, BROMFORD LANE	Erdington	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
E33	Kestrel Ave adj 64	Yardley	River Cole	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
E330	ADJACENT 80, ALLEYNE ROAD	Erdington	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E331	REAR OF 233 TO 237, HOLLY LANE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
E332	LAND AT, SPRING LANE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E333	SITE OF 67 TO 105, WILMOT DRIVE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E334	SITE OF 17 TO 39, BANNERS GROVE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E335	SITE OF 27 TO 73, STONNAL GROVE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E336	SITE OF 75 TO 97, STONNAL GROVE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E337	SITE OF 109 TO 131, ROWDEN DRIVE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E338	43 TO 65, WILMOT DRIVE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E339	1 TO 25, BEECHMOUNT DRIVE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E34	Little Bromwich Road (50 - 64)	Hodge Hill	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E340	67 TO 83, BEECHMOUNT DRIVE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E341	779 TO 787, CHESTER ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E342	14, SILVER BIRCH ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E343	ADJACENT 4, ORPHANAGE ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E344	SITE OF 18 TO 40, WILMOT DRIVE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E345	450, ALUM ROCK ROAD	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E346	1105 TO 1105A, WARWICK ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	part	No
E347	512 FIRST FLOOR, STRATFORD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
E348	17, VICTORIA ROAD	Yardley	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E349	1, WHITTINGTON GROVE	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E35	Lomond Close rear 19	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
E350	37, WESTLEY ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
E351	140, COLESHILL ROAD	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E352	1044, COVENTRY ROAD	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E353	894, TYBURN ROAD	Erdington	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E354	2 TO 8, WARWICK ROAD	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E355	69 AND 71, YARDLEY ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E356	REAR OF EASTBOURNE HOUSE, BEECHES AVENUE	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E357	19, STATION ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
E358	15 TO 17, STATION ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
E359	213, MARY STREET	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E36	Lowson Croft (adj 27)	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E360	425 AND LAND TO REAR, YARDLEY ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E361	REAR OF 12, STOCKFIELD ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E362	REAR OF 410, STOCKFIELD ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E363	REAR OF 364 TO 404, STOCKFIELD ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E364	CORNER YARDLEY ROAD, MANSFIELD ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E365	74, FRANCIS ROAD	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E366	554, HOB MOOR ROAD	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E367	REAR OF 131, STONEY LANE	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E368	SITE OF INNIS PUBLIC HOUSE (VILLAGE ARMS), CLEMENTS ROAD	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E369	LAND ADJACENT 34, COTTERILLS AVENUE	Hodge Hill	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E37	Milsom Grove (rear 60-68)	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
E370	ADJACENT40, EASTFIELD ROAD	Hodge Hill	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E371	REAR OF ALL SAINTS CHURCH, ADJACENT 113 ALBERT ROAD	Yardley	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E372	15, TENNYSON ROAD	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E373	LAND ADJACENT WARD END PUBLIC HOUSE AND FRONTING, BURNEY LANE	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E374	ADJACENT WARD END PUBLIC HOUSE FRONTING, ALUM ROCK ROAD	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E375	ADJACENT 1, WINCANTON CROFT	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E376	117, BROCKHURST ROAD	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E377	ADJACENT 250, HOLLY LANE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
E378	PYPE HAYES ROAD, PADSTOW ROAD, PYPE HAYES ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
E379	NOCKS BRICKWORKS, HOLLY LANE	Erdington	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
E38	Old Bromford Lane (adj 95)	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
E380	1176 AND 1178, COVENTRY ROAD	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E381	4 TO 8, BOWCROFT GROVE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
E382	BETWEEN 16 AND 22, YENTON GROVE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
E383	LAND BETWEEN, YENTON GROVE AND BOWCROFT GROVE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
E384	LAND BETWEEN, BOWCROFT GROVE AND CHASE GROVE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
E385	ADJACENT 9, CHASE GROVE	Erdington	River Tame	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E386	SITE OF 2 TO 16, HERVEY GROVE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
E387	19 TO 23, HERVEY GROVE	Erdington	River Tame	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E388	SITE OF 4 AND 6, HAYES GROVE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
E389	ABOVE 161, CHURCH ROAD	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E39	Tile Cross Road (Opp 223)	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E390	300, THE AVENUE	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E391	SITE OF 54, NEW COVENTRY ROAD	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E392	46, GARRETT'S GREEN LANE	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
E393	ADJACENT 23, BLAKESLEY ROAD	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E394	38, BLAKESLEY ROAD	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E395	15 TO 33, LYME GREEN ROAD	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E396	DRYLEA GROVE AND FIRS FARM DRIVE, SHAWSDALE ROAD	Hodge Hill	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
E397	LAND ADJACENT 37, EDMOND AVENUE	Erdington	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E398	1057, KINGSBURY ROAD	Erdington	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E399	LAND REAR OF, BEVERLEY GROVE AND THREE HORSESHOES LANE	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
E40	Kyrwicks Lane, Sparkbrook	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E400	364, BARROWS LANE	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E401	REAR OF 284 TO 286, BRAYS ROAD	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	part	Yes
E402	ADJACENT 72, KEBLE GROVE	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
E403	EAST BIRMINGHAM COLLEGE, GARRETT'S GREEN LANE	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E404	LAND BOUNDED BY, MEADWAY AND SHELDON HEATH ROAD AND BROADSTONE ROAD	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E405	BETWEEN 18 AND 28, NORTH ROUNDHAY	Hodge Hill	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E406	ADJACENT 451, FLAXLEY ROAD	Hodge Hill	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E407	ADJACENT 134, LEA HALL ROAD	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E408	SITE OF 27 TO 41, EMBLETON GROVE	Hodge Hill	River Cole	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
E409	ADJACENT 32, CADBURY DRIVE	Erdington	River Tame	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
E41	Land between Highgate Road & Woodfield Crescent	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
E410	LAND OFF, LANCASTER DRIVE AND FARNBOROUGH ROAD	Erdington	River Tame	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
E411	SITE OF HERMES HOUSE, INNSWORTH DRIVE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
E412	31 TO 39, DYCE CLOSE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
E413	SITE OF METEOR HOUSE, FILTON CROFT	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
E414	FORMER LIBRARY, TURNHOUSE ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
E415	SITE OF TERNHILL HOUSE, HALFPENNY FIELD WALK	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E416	2236 TO 2338, COVENTRY ROAD	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
E417	ADJACENT 130, CHURCH ROAD	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
E418	1 AND 2, SILVERMERE ROAD	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E419	ADJACENT 75, MAPLEDENE ROAD	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E420	ADJACENT 11, HONEYBOURNE ROAD	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E421	SITE OF 1, CLOPTON ROAD	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E424	23 AND 25, ADMINGTON ROAD	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E425	LAND FRONTING HILDOTE GROVE, ADMINGTON ROAD AND MICKLETON AVENUE	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E426	331 TO 339, SHELDON HEATH ROAD	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
E427	ADJACENT 11, TILE CROSS ROAD	Hodge Hill	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E428	REAR OF 35 TO 51, ALDERPITS ROAD	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
E429	ADJACENT 81, NEARMOOR ROAD	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
E430	LAND FRONTING, PARK LANE	Erdington	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	no	yes	Yes
E431	REAR OF 159 TO 167, TILE CROSS ROAD	Hodge Hill	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E432	ADJACENT 8, DOWNTON CRESCENT	Hodge Hill	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E433	108, WINDERMERE ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
E434	ADJACENT 58, HURST LANE	Hodge Hill	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E435	435, SHIRLEY ROAD	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E436	10, RESERVOIR ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E437	488, COVENTRY ROAD	Ladywood	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E438	479 TO 481, STRATFORD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
E439	1A, NEWMAN ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E440	113, LADYPPOOL ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E441	88, STRATFORD ROAD	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E442	29 TO 31, WHEELWRIGHT ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E443	20, GREEN LANE	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E444	63 AND 63A, GRAVELLY LANE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E445	23 TO 27, ALUM ROCK ROAD	Hodge Hill	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E446	551 TO 555, GREEN LANE	Hodge Hill	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E447	296 TO 298, STRATFORD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E448	ABOVE 168 TO 170, SLADE ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
E449	346, BORDLESLEY GREEN EAST	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E45	Parkfield/Anthony Road	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
E450	155 TO 157, ALBERT ROAD	Yardley	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E451	19, VICTORIA ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E452	ADJACENT 87, LONG STREET	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E453	1-4 Willersey Road	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
E454	Thirlmere Drive site A	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
E455	Thirlmere Drive site B	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
E46	Broadway Avenue	Hodge Hill	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E47	Carlton Raod	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E48	Green Lane/Prince Albert Street	Ladywood	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E49	Montgomery Street/South Road	Hall Green	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E50	Starbank Raod	Hodge Hill	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E51	Plough and Harrow, Coventry Road	Yardley	River Cole	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
E52	Land South of Weston Lane	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E54	Reddings Lane	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
E56	Bierton Road Yardley	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
E57	Manor House Pub and adjacent land, Station Road	Yardley	River Cole	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
E58	Albert Road/Station Road	Yardley	River Cole	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	part	No
E59	B&Q Site Station Road Stechford	Yardley	River Cole	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
E61	Former Yardley Sewage Works, Colehall lane	Hodge Hill	River Cole	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	part	No
E62	Briarscroft, Packington Avenue	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E63	Hallmoor School, Hallmoor Road	Hodge Hill	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E64	Beswick Grove	Hodge Hill	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E65	Farmcote Road	Hodge Hill	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E66	Silvermere Centre, Silvermere Road, Sheldon	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E68	Rear of Downsfield Rd	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	part	Yes
E69	Elderfield Care Home, Garretts Green Lane	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E7	647, STRATFORD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E71	Summer Road/Fox Hollies Road	River Cole	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E72	North Warwick Street	Ladywood	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E75	Land between 18 -24 Netherfield Gardens & Warwick Rd	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E76	Tysley La / Warwick Rd	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
E77	Btw 28 Knights Rd & 785 Wrawick Rd	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
E78	Btw 43 & 61 The Avenue	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
E79	Jcn of Olton Boulevard East & Warwick Rd	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E8	OFF LITTLE GREEN LANE, EVERSLEY ROAD	Ladywood	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E81	Rear of 10 - 26 Bericote Croft	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
E82	Adj 109 Westley Rd	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E83	Rear of 635 - 773 Warwick Rd	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
E84	Rear of 44 - 96 Knights Rd	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
E86	Rear of 305 - 367 Stockfield Rd	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	part	No
E88	49 Wordsworth Rd	Yardley	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E89	Land off Roma Rd	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
E90	Church Rd, Swan Centre	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E91	Hobmore Primary School	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
E93	Land adj 1 Geraldine Rd	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
E94	Land btw 181 and 183 Deakins Rd	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
E95	Jcn of Bromford Dr & Reynoldstown Rd	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
E97	Rear of 12 - 14 Pan Croft	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
E98	Garages adj Thistle House	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
E99	Garages adj 17 Blossom Grove	Hodge Hill	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
N101	New Triumphant Pentecostal Church, Farm Street	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N102	Rear of, 106-116 Wheelers Street	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N103	Garages rear of 8-18 Gee Street	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N104	Corner of Hospital Street and Bridge Street West	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N105	Rear of 5-15 Attenborough Close	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N106	Between 53 & 47 Parliament Street	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N107	6 Parliament Street	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N108	Sutton Street	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N109	Rear of 62 - 66 Porchester Drive	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N11	Wellington Road/Westminster Road	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N111	330 Hospital Street	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N112	Site includes 76-97 Clifford Way & 1-64 Alma Way	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N124	Site adjacent to 58 Grove Lane	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N125	10 Dawson Road	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N126	3 Ivy Road	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N127	Site off Rookery Road to rear of 21-43 Alfred Road	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N128	8 Wills Street and adjacent site	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N130	33 Wills Street	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N131	49 Roland Road	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N132	Site adjacent and to rear of 13 Finch Road	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N133	92 & units 1-4 Hutton Road	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
N134	78 Hutton Road	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N135	Adjacent to 137 Wellington Road	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N136	Site adjacent to 214 Wellington Road	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N137	Site to rear of 146-156 Rough Road	Erdington	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N138	72 Warren Farm Road	Erdington	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N139	Site adjacent to 59 Perry Common Road	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N14	Old Oscott Hill, Old Oscott	Perry Barr	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N140	Site including 3 - 7 & 15, 17 Perry Common Road & 2 - 6 Turf-pit Lane	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N141	35 Hawthorn Road	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N148	164-206 Dudley Road	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N15	Kingstanding Road/Rushden Croft	Erdington	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N150	Site corner of Aldridge Road & Beeches Road	Perry Barr	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N151	Site rear of 24 Anchorage Road	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N152	Site adjacent 5 Wither Hill Road	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
N153	2 & 2a Keyse Road	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
N157	Site rear of 2-6 Goldieslie Road	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N158	Site and garages Buckingham Mews	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N160	Site corner of 728,730 Aldridge Road & 2 Old Oscott Lane	Perry Barr	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N161	1139 Aldridge Road	Perry Barr	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N162	70 Greenholm Road	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N163	Site off Kingstanding Road	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N164	50 College Road	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N165	54 College Road	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N166	80-84 Bandywood Road	Perry Barr	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N167	49 Old Oscott Hill	Perry Barr	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N17	Between Prestbury Road and Ettington Road	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N170	Site adjacent to 118 Hawthorn Road	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N172	Site to rear of 280-312 Perry Wood Road	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
N177	Site rear of 110-153 Tame Road	Perry Barr	River Tame	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	yes	no	No
N178	Site Hamstead Hall Road adjacent 15	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N179	14 Handsworth Wood Road	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N180	15 Stockwell Road	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N181	26 Coopers Road	Perry Barr	River Tame	Naturally wet very acid sandy and loamy soils	Naturally wet	Very low	yes	no	No
N182	Site rear of and including 1Clent Road	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N183	64-89 Denewood Avenue	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N184	Site between 6 & 16 Butler's Road	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N185	Site adjacent 6 Devonshire Road	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N186	Site rear of 32-68 Sycamore Road, Sycamore Trading Estate	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N187	2-10 Queens Head Road	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N188	Site adjacent 57 George Street	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N189	5-7 Crescent Avenue	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N190	201 - 195 Dudley Road	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N191	367-379 Dudley Road	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N2	38 Heath Street South and adjacent site	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N208	Garages to rear of 205-197 Blackberry Lane	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N209	Site rear of 35-47 White Farm Road	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N210	Garages rear of 25-35 White Farm Road	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N214	Site rear of 52- 54 Walsall Road	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N215	Vesey Close	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N216	Site rear of 38-40 Sherifoot Lane	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	part	no	Yes
N217	Site Wilmcote Drive	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N218	Site and garages to rear of 1-20 Walsall Road	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N219	Site to rear of 42 & 44 Belwell Lane	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N220	Site to rear of 1-12 Clarence Road	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N221	Garages adjacent to 81 & 83 Sara Close	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N222	Garages adjacent to 76 & 78 Sara Close	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
N225	Site and garages rear of 133 & 135 Gibbons Road	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N226	Site and garages adjacent 20-25 Farnborough Court	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	yes	no	Yes
N227	Site and garages adjacent 22 Coburn Drive	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	yes	no	Yes
N228	Garages rear of 76-78 Slade Road	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N229	Site corner of Belwell Lane & Four Oaks Road	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N232	Garages rear of 25-45 Romilly Close	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
N234	Site adjacent 7, 8, & 9 Eldon Drive	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	no	yes	Yes
N235	Site adjacent 11,15 & 18 Trident Close	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	no	yes	Yes
N236	Site and garages adjacent 59 Haunchwood Drive	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	no	yes	Yes
N237	Site and garages rear of 35-57 Oversley Road	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
N238	Site and garages rear of 6-18 Anton Drive	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
N239	Site and garages rear of 106-122 Cheswood Drive	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	no	yes	Yes
N240	Site and garages adjacent 82 & 84 Cheswood Drive	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	no	yes	Yes
N241	Site adjacent 83 & 85 Lindridge Drive	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	no	yes	Yes
N242	Site rear of 28-48 Cheswood Drive	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	no	yes	Yes
N243	Site and garages adjacent 23-25 Thornley Grove	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	no	part	Yes
N244	Site and garages rear of 17-23 Lindridge Drive	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	no	yes	Yes
N245	Site rear of 1-17 Oxstall Close	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	no	part	Yes
N246	Site adjacent 14 Water Orton Lane	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	no	no	Yes
N248	Site corner of Clifton Road and Park Road	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N249	Site and garages rear of 14 Severn Court, Garrard Gardens	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N250	Site and garages adjacent 1-52 Copsehill Court, Mount View	Sutton Coldfield	River Tame	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
N251	Site and garages rear of 54-58 Mount View	Sutton Coldfield	River Tame	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	part	Yes
N252	Site and garages rear of 18-36 Whitehouse Court, Rectory Road	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
N253	Site and garages adjacent 42 Stourton Close	Sutton Coldfield	River Tame	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	part	Yes
N254	Site and garages rear of 1-18 Charles Court, Wiggins Croft	Sutton Coldfield	River Tame	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	part	Yes
N255	Site adjacent to 299 Reddicap Heath Road	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
N257	Site and garages rear of 143-149 Falcon Lodge Crescent	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
N258	Site and garages rear of 28-38 Holbeche Road	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
N26	Royal Works Sutton Coldfield	Sutton Coldfield	River Tame	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	yes	no	Yes
N260	Site and garages rear of 42 Newdigate Road	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
N261	53 Reddicap Hill	Sutton Coldfield	River Tame	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
N262	481 Walsall Road, Perry Barr	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N263	ADJACENT 311, ROTTEN PARK ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N264	97 TO 101, HANDSWORTH WOOD ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N266	117, SOHO HILL	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N267	COACH HOUSE, ADJ 35, HANDSWORTH WOOD ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N268	56 TO 64, VILLA ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N269	Waverhill Road	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N270	Waverhill Road	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N271	ADJACENT 279, PORTLAND ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N272	REAR OF 121 TO 137, ROTTEN PARK ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N273	SITE OF 27, COLENSO ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N274	419 TO 421, DUDLEY ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N275	36, WINSON STREET	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N276	LAND OFF, CITY ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N277	LAND OFF, CITY ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N278	LAND OFF, CITY ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N279	LAND OFF, CITY ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N280	120 TO 130, WATTVILLE ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N281	6, CROSS STREET	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N282	SITE OF 106 TO 134, REGENT ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N283	51 AND 53, BREWERY STREET	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N284	79 TO 85, HOLYHEAD ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N285	ADJACENT 95, UPLANDS ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N286	LAND ADJACENT THE UPLANDS PUBLIC HOUSE, OXHILL ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
N287	12A, FARCROFT ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N288	SITE OF THE UPLANDS PUBLIC HOUSE, OXHILL ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	part	No
N289	LAND AT, OSLER STREET AND RESERVOIR ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N290	LAND TO REAR OF, HAGLEY ROAD AND MONUMENT ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N291	FORMER WAREHOUSE SITE, RESERVOIR RETREAT	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N292	LAND CORNER OF, WINSON GREEN ROAD AND HEATH STREET	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N293	ADJACENT 133, HEATH STREET	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N294	ADJACENT 2, RECTORY GROVE	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N295	SITE OF THE TALBOT PUBLIC HOUSE, TALBOT ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N296	LAND CORNER OF, BACCHUS ROAD AND BENSON ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N297	ADJACENT 187, BACCHUS ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N298	ADJACENT 141, WINSON GREEN ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N299	LAND ADJACENT 2 TO 4, TRAFALGAR ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N3	Site corner of Monument Road & Ladywood Road	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N300	ADJACENT 1 SPRING GARDENS, VICTORIA ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N301	SITE OF 95 TO 107, GRASMERE ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N302	ADJACENT 21, CHURCH LANE	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N303	LAND BETWEEN, BRUNSWICK ROAD AND ALBERT ROAD AND ANTROBUS ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N304	124 TO 126, ALBERT ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N305	BETWEEN 19 AND 23, ORCHARD CLOSE	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N306	LAND ADJACENT 34, ANTROBUS ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N307	ADJACENT 176, GRESTONE AVENUE	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
N308	LAND ADJACENT 14, LEOPOLD AVENUE	Perry Barr	River Tame	Naturally wet very acid sandy and loamy soils	Naturally wet	Very low	yes	no	No
N309	LAND BETWEEN ALBRIGHTON HOUSE AND MEYNELL HOUSE, BROWNS GREEN	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N31	SITE OF 163, SOHO ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N310	LAND ADJACENT 80, ELLEN STREET	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N311	ADJACENT BAPTIST CHURCH, ELLEN STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N312	1 TO 3 &, NADEN ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N313	SITE OF 112, LODGE ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N314	SITE OF 90 TO 94, LODGE ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N315	ADJACENT 40, ALL SAINTS ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N316	LAND ADJACENT 43, GIBSON ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N317	LAND ADJACENT 1, WYE CLIFF ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N318	84 TO 90, VILLA ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N319	LAND BETWEEN 46 AND 49, BARKER STREET	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N32	ADJACENT 29, SOMERSET ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N320	6, BUTLERS ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N321	ADJACENT 140, CHURCH LANE	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N322	4A, GROSVENOR ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N323	THE ENDWOOD PUBLIC HOUSE, HAMSTEAD ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N324	REAR OF 82, HANDSWORTH WOOD ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N325	FORMER HAMSTEAD TENNIS CLUB, BUTLERS ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N326	ADJACENT 49, ENGLESTEDE CLOSE	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N327	LAND AT PANNEL CROFT, HOSPITAL STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N328	SITE OF WHEELERS TAVERN, WHEELERS STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N329	KING OF THE ROAD PUBLIC HOUSE, HOSPITAL STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N33	54 AND REAR OF 56 TO 64, VILLA ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N330	ADJACENT 4, BRECON ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N331	SITE OF 88, FINCH ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N332	LAND BETWEEN 21 TO 31, FINCH ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N333	ADJACENT 6, FREER ROAD	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N334	LAND CORNER OF, LOZELLS ROAD AND BERNERS STREET	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N335	LAND REAR OF 239 TO 263, BURBURY STREET	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N336	14 TO 40, GORDON AVENUE	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N337	94 TO 112 AND 114 TO 132, ALMA WAY	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N338	2 TO 36, ALMA WAY	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
N339	15 TO 45 AND CROSS GUNS P.H., GORDON AVENUE	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N34	11, MAXWELL AVENUE	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N340	LAND OFF, CLIFFORD WALK	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N341	11 AND REAR OF 5 TO 9, HAVELOCK ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N342	33 TO 41 AND REAR OF 25 TO 31, GROSVENOR ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N343	REAR OF 35 TO 31, GROSVENOR ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N344	ADJACENT TO 4, CALTHORPE ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N345	124 TO 142, WELLINGTON ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N346	158, WELLINGTON ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N347	SITE OF TWEED TOWER, BIRCHFIELD ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N348	SITE OF 5 TO 45, ASHCROFT GROVE	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N349	CORNER OF, LIVINGSTONE ROAD AND WESTMINSTER ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N350	ADJACENT 229, CHURCH HILL ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N351	34 TO 36, TRINITY ROAD	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N352	LAND ADJACENT 221, BIRCHFIELD ROAD	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N353	REAR OF 39, LIVINGSTONE ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N354	CALDER TOWER, BIRCHFIELD ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N355	SITE OF 47 TO 77, BRIDGELANDS WAY	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N356	SITE OF 239, WALSALL ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N357	278, WALSALL ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N358	ADJACENT 55, CADDICK ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
N359	LAND CORNER OF, BEECHES ROAD AND HASSOP ROAD	Perry Barr	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N360	ADJACENT 87, GRINDLEFORD ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
N361	BOOTH'S LANE	Perry Barr	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	part	part	Yes
N362	LAND BOUNDED BY, ALMA STREET AND MEWS WALK AND PORCHESTER STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N363	147 TO 149, FENTHAM ROAD	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N364	243, BEVINGTON ROAD	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N365	AND 260, ALBERT ROAD	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N366	LAND ADJACENT 61, CAMBORNE CLOSE	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N367	27 TO 41, NEW CROFT	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N368	SITE OF 43 TO 57, ALMA WAY	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N369	SITE OF 32 TO 46, RODWAY CLOSE	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N37	SITE OF 71 TO 77, LOZELLS ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N370	LAND CORNER OF, STONELEIGH ROAD AND ASTON LANE	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N371	ADJACENT 77, BIRDBROOK ROAD	Perry Barr	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N372	257, KINGSTANDING ROAD	Perry Barr	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N373	388, KINGSTANDING ROAD	Perry Barr	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N374	LAND OFF, WITTON ROAD AND TAME ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N375	PARKHOUSE DRIVE AND FAULKERS FARM DRIVE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N376	3 TO 5, DANESBURY CRESCENT	Erdington	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N377	ADJACENT 1, COPPICE VIEW ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N378	ADJACENT 1, KNIGHTON ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N379	CORNER, LONG ACRE AND CROMPTON ROAD	Ladywood	River Tame	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	yes	no	No
N38	NORTH BIRMINGHAM COLLEGE CAMPUS, ALDRIDGE ROAD	Perry Barr	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N380	SITE OF 180 TO 184, MOUNT STREET	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	yes	no	No
N381	REAR OF 146, NECHELLS PARK ROAD	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N382	LAND BETWEEN, DOVEDALE ROAD AND HURSTWOOD ROAD	Erdington	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N383	LAND BETWEEN, CAPILANO ROAD AND DOVEDALE ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N384	LAND BETWEEN, CAPILANO ROAD AND DOVEDALE ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N385	39 TO 149, DOVEDALE ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N386	ADJACENT PERRY COMMON SCHOOL, FRONTING ENDERBY ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N387	REAR OF 481 TO 491, JOCKEY ROAD	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N388	16 AND 18, HEATHFIELD ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N389	571, CHESTER ROAD	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N39	ADJACENT 40, RIDGEWOOD GARDENS	Perry Barr	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N390	SITE OF THE VICARAGE, CHURCH ROAD	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
N391	REAR OF 30 TO 32, SYCAMORE ROAD	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N392	REAR OF 22 TO 24, MELROSE AVENUE	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N393	155 TO 157, DUDLEY ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N394	43, EDGE HILL ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N395	4, EDGE HILL ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N396	138 TO 142, HAMSTEAD ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N397	33, WELLINGTON ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N398	107, LOZELLS ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N399	ABOVE 111 TO 113, THE PARADE	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N4	IPL Site	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N400	ABOVE 373, SOHO ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N401	ABOVE 69, WITTON ROAD	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N402	ABOVE 122, HAWTHORN ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N403	ADJ PEDDIMORE HALL, PEDDIMORE LANE	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
N404	ABOVE 382, ASTON LANE	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N405	35 TO 37, BIRCHFIELD ROAD	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N406	321 TO 323, BIRMINGHAM ROAD	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N407	REAR OF 148 TO 154, GREEN LANES	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N408	350 TO 356, BOLDMERE ROAD	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N409	124 TO 128, JOCKEY ROAD	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N410	REAR OF 21 TO 25, BRITWELL ROAD	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N411	LAND ADJACENT 189, STATION ROAD	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N412	REAR OF 216, BIRMINGHAM ROAD	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N413	2A, SOMERVILLE ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N414	21 TO 23A, BIRMINGHAM ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N415	10, DIGBY ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N416	LAND AT, UPPER CLIFTON ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N417	LAND FRONTING, BRASSINGTON AVENUE	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N418	LAND ADJACENT 26, MIDLAND ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N419	PLOT 2, COOMBE PARK	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N42	148A, ROSEMARY HILL ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N420	BETWEEN 25 AND 29, BARKER ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	yes	no	Yes
N421	LAND CORNER OF, MERE GREEN ROAD AND LICHFIELD ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N422	REAR OF 4A, LUTTRELL ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N423	ADJACENT 11, FOUR OAKS ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	yes	no	Yes
N424	44, FOUR OAKS ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N425	LAND ADJOINING 14, LUTTRELL ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N426	188A, LICHFIELD ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	yes	no	Yes
N427	371 TO 379, LICHFIELD ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N428	383 TO 389, LICHFIELD ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N429	ADJACENT 400, LICHFIELD ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N430	REAR OF 46 TO 48, HILL VILLAGE ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N431	REAR OF 28 TO 36, HILL VILLAGE ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N432	31 TO 33, BIRCHFIELD ROAD	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N433	79 TO 83, NINEVEH ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N434	23, PARK AVENUE	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N435	79, LANSDOWNE ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N436	29, SOMERSET ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N437	29, TRINITY ROAD	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N438	127, ALBERT ROAD	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N439	DOG AND PARTRIDGE P.H, WINDSOR STREET NORTH	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N44	ADJACENT 8 TO 12, BOWLAS AVENUE	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	yes	no	Yes
N440	100, HOLIFAST ROAD	Sutton Coldfield	River Tame	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
N441	61 AND 63, PENNS LANE	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N442	ADJACENT TO 27, WYLDE GREEN ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N443	22, SOUTH PARADE	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
N444	BETWEEN 70 AND 72, REDDICAP HILL	Sutton Coldfield	River Tame	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
N445	REAR OF 201 TO 203, COLES LANE	Sutton Coldfield	River Tame	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	yes	no	Yes
N446	39 AND 41, ANCHORAGE ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N447	69, COLESHILL STREET	Sutton Coldfield	River Tame	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	yes	no	Yes
N448	24, COLESHILL ROAD	Sutton Coldfield	River Tame	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	yes	no	Yes
N449	ADJACENT 47, LITTLE SUTTON LANE	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	yes	no	Yes
N45	40 TO 44, MULROY ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N450	CORNER WITH WYVERN ROAD, LICHFIELD ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	yes	no	Yes
N451	90, LICHFIELD ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	yes	no	Yes
N452	32, HIGH STREET	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N453	LAND ADJACENT 20, MOOR HALL DRIVE	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	yes	no	Yes
N454	SITE ABOVE 165, DUDLEY ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N455	LAND BETWEEN AND TO REAR 51 AND 55, FOX HOLLIES ROAD	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
N456	303, PENNS LANE	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	no	yes	Yes
N457	1 AND 3, WALMLEY ASH ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	no	yes	Yes
N458	35 TO 39, REDDICAP HEATH ROAD	Sutton Coldfield	River Tame	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
N459	ADJACENT 1 TO 3, GANNAHS FARM CLOSE	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	no	no	Yes
N46	LAND ADJACENT 8, LUTTRELL ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N460	44, BEDFORD DRIVE	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
N461	ADJACENT 260, RECTORY ROAD	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
N462	276 AND 278, RECTORY ROAD	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
N463	REAR OF 264 TO 268, RECTORY ROAD	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
N464	REAR OF 67, HOLLYFIELD ROAD	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
N465	LAND REAR OF 3 TO 16, ST CHADS ROAD	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
N466	227, TAMWORTH ROAD	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
N467	LAND REAR OF 90 TO 104, LINDRIDGE ROAD	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
N468	LAND SOUTH OF, DUTTONS LANE	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	part	part	Yes
N469	FRONTING, HARVEST FIELDS WAY	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	part	no	Yes
N47	71, HILL VILLAGE ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N470	REAR OF 34 TO 40, MARLPIT LANE	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N471	ADJACENT 39, THE RIDDINGS	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
N472	ADJACENT 163, WALMLEY ASH ROAD	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
N473	ADJACENT TO 245, SPRINGFIELD ROAD	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
N474	LAND ADJACENT 298, LINDRIDGE ROAD	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
N475	ADJACENT 46, FOWLER ROAD	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
N476	83 TO 89, WATER ORTON LANE	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
N477	ADJACENT HYANNIS, OLD KINGSBURY ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	no	part	Yes
N478	LAND ADJACENT 1A, OLD KINGSBURY ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	no	part	Yes
N479	LAND ADJACENT 1300, KINGSBURY ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	no	no	Yes
N48	LAND FRONTING, HILLCREST ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N480	BULLS LANE	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
N481	15, CARLTON AVENUE	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N482	STABLE ADJ. 107, LICHFIELD ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	yes	no	Yes
N483	251, EACHELHURST ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	no	no	Yes
N484	36, ALBERT ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N485	124, BEECHES ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
N486	294, CLARENCE ROAD	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
N487	9A, KINGS ROAD	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N488	8, HIGH STREET	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N489	107, FINCH ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N490	City Hospital site off Aberdeen Street	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N491	Electricity sub station, Roslin Grove	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N492	161 to 211 Birchfield Road	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N493	Adj. Crown & Cushion, Wellington Road	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N54	Radnor Road	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N56	St George's Park	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
N57	Nursej Rd Church St	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N58	Naden Road	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N59	North Newtown site 3	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N60	Porcester Drive 2	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N61	North Newtown Area 2 Site 1A	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N62	North Newtown Area 2 Site 1B	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N63	North Newtown Area 2 site 2	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N65	North Newtown Area 2 site 4	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N66	North Newtown Area 2 site 5	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N67	North Newtown Area 2 Opp1	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N68	Ebrooke Road	Sutton Coldfield	River Tame	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	yes	no	Yes
N69	240A, HIGHBRIDGE ROAD	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N7	Friary Gardens	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	part	No
N70	Farm Street 52	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N72	Norbury Road (adj 6)	Perry Barr	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N73	Pakfield Walk (adj 8)	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N74	Rectory Road	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
N77	125-129 Wattville Road	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N79	Douglas Road site A	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N8	Park Hill/Hamstead Hill	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N80	Douglas Road site B	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N83	Baccus Road	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N9	Wellington Road, Aston	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	part	no	No
N92	Wellhead Lane	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N93	Aberdeen Street	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N94	Honeswode Close	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
N95	Mere Green Road	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N96	Tudor Close, Sutton	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
N97	Site adjacent 164 Bridge Street West	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N98	Site corner of Alma Street & Newbury Road	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
N99	136-152 Victoria Road	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
S10	Selly Oak Hospital, Raddlebarn Road	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
S100	Battery Retail Park, Chapel Lane	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
S102	21 Merritts Brook Lane	Northfield	River Rea	Freely draining slightly acid loamy soils	Freely draining	Low	yes	no	Yes
S103	The Beeches PH, Basil Road	Northfield	River Rea	Freely draining slightly acid loamy soils	Freely draining	Low	yes	no	Yes
S104	623 Bristol Road South and land to the rear of.	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S106	Land to the rear of 50-138 Brinklow Road	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S107	California Pentecostal Church adjoining 176 Stonehouse Lane	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
S108	Land to the rear of 132-176 Stonehouse Lane	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	part	No
S109	Land fronting 17-35 Stonebrook Way	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S11	Cadnam Close	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S110	141-145 Barnes Hill	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S111	Land adjacent to 167 Barnes Hill	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S112	21 Culford Drive	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S113	167 Jiggins Lane	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S114	Coopers Arms, adjacent to 10 Bean Croft	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S116	1-7 Swinford Road	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S117	55, 61 Stevens Avenue, rear of 2-58 Simcox Gardens	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S118	Land adjacent to 17 Jiggins Lane	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S119	Land adjacent to 35 Willow Coppice	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S12	Alwold Road, Weoley Castle	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S120	Land to the rear of 713-735 Millpool South Road	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S121	Land to the rear of 9-49 Ravenshill Road	Selly Oak	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
S124	Land to the rear of 64-128 Charlotte Road	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
S126	Land adjacent to 177 Dawberry Fields Road	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S127	Land adjacent to 41-43 Millbrook Road	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No

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S128	Druids Lane site, Druids Heath	Selly Oak	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S129	2-100 Leasow Drive & land to the rear of.	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S13	The Oaklands, Weather Oaks	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S133	1-2 Wheeleys Road	Edgbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
S134	16 Frederick Road	Edgbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
S135	26 Hightfield Road	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S136	Land Adjacent to 76 Farquhar Road	Edgbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
S137	29 Harrisons Road	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S138	Land facing 40-62 Richmond Hill Road	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S140	23-27 Woodbourne Road & land to the rear of	Edgbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
S141	308-330 Pershore Road	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S142	Land adjacent to 16 Straut Close	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S143	Land adjacent to 12 Northfield Road	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S144	Land adjacent to 59 Queens Park Road	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S146	3 Serpentine Road	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S147	5-64 Cross Farm Road & land to the rear of.	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S148	Land to the rear of The Green Man PH, Metchley Lane	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S149	Land adjacent to 25 Woodbourne Road	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S150	322-332 Hagley Road	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S151	Land adjacent to 270 Hagley Road	Edgbaston	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S152	Land adjacent to 296 Hagley Road	Edgbaston	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S153	188 Robin Hood Lane	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S154	Land To the rear of 5-29 Doveridge Road	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S155	Land adjacent to 2 Wycome Road	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S156	1320 Stratford Road	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S157	42 York road and land adjacent to.	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S158	293-313 Shaftmoor Lane	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S159	205-207 Lakey Lane	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S16	1292 TO 1294, BRISTOL ROAD SOUTH	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S160	Land to the rear of 15-87 Cateswell Road	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	part	No
S161	23-31 Baldwins Lane	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S162	Kings Norton Estate (2)	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S165	Kings Norton Estate (1)	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S17	REAR OF 251 TO 277, ALVECHURCH ROAD	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S172	Land adjacent to 39 Camp Lane	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S173	108 Wharf Road	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S176	Land facing 6-10 Farnbury Croft	Northfield	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S179	1401& 1405-1409 Bristol Road South	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S181	Land to the rear of 97-171 Kendal Rise Avenue	Northfield	River Rea	Shallow very acid peaty soils over rock	Variable	Very low	yes	no	No
S182	Land adjacent to 317 Leach Green Lane	Northfield	River Rea	Freely draining slightly acid loamy soils	Freely draining	Low	yes	no	Yes
S183	Land to the rear of 17-25 Wyre Close	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S184	Land to the rear of 1-19 Balaams Wood Drive	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S185	Land adjacent to 1 Sandhurst Road	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S186	Land adjacent to 8 Alcester Road	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S187	The Jug of Ale PH, 1 Park Road	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S188	100-106 Alcester Road	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S189	Land adjacent to 4 Valentine Road	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S19	5, BLAKENEY AVENUE	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S190	66-70 Woodfield Road	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S191	Land adjacent to 24 Sandhurst Road	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S192	Land adjacent to 6 Moor Green Lane	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S193	42-44 Highbury Road	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S194	123-131 Billesley Lane	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S195	Land adjacent to 91 Billesley Lane	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S196	Land adjacent to 14-21 Ashdown Close	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S197	124-132 Anderton Park Road	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
S198	Land to the rear of 5-7 Parkhill	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S199	42 Westfield Road	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S2	5-15 Alcester Road South	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S20	85 AND LAND TO REAR, WOODLEIGH AVENUE	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S200	Land adjacent to 30 Howard Road East	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S202	Land to the rear of 115-139 The Fordrough	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S203	Land to the rear of 2-87 Station Road	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S204	Land to the rear of 1-15 Coney Green Drive	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S205	34-36 The Mill Walk	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S206	23 Hampton Court Road	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S207	Land to the rear of 6-24 Clive Road	Edgbaston	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S211	Land adjacent to 460 Ridgacre Road West	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S212	Land adjacent to 7 Lower White Road	Edgbaston	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S213	Land to the rear of 2-22 Blandford Road	Edgbaston	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	yes	no	Yes
S214	817-829 Hagley Road West	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S215	Welby Road Hall Green	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S216	61, HIGH STREET (OVER)	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S217	977, BRISTOL ROAD SOUTH	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S218	189, DAWLISH ROAD	Selly Oak	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
S219	859, STRATFORD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
S22	LAND FRONTING, MALT CLOSE	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S220	719, BRISTOL ROAD SOUTH	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S221	North Worcestershire Golf Club	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	part	part	Yes
S222	Franklin House, Bournville Lane	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S223	BIRMINGHAM BATTERY SITE, OFF HARBORNE LANE	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
S224	FORMER MG ROVER WORKS, BRISTOL ROAD SOUTH	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	part	No
S225	8 TO 38; 2,4,22,24, WESTCOTE AVENUE	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S226	8 TO 38; 2,4,22,24, WESTCOTE AVENUE	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S227	BETWEEN FROGMILL ROAD AND, LOWER BEECHES ROAD	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S228	BETWEEN FROGMILL ROAD AND, LOWER BEECHES ROAD	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S229	BETWEEN FRANKLEY BEECHES ROAD AND, GORSYMEAD GROVE	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S23	186, HARBORNE ROAD	Edgbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
S230	BETWEEN FROGMILL ROAD AND, LOWER BEECHES ROAD	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S231	LOWER BEECHES ROAD	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S232	LOWER BEECHES ROAD	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S233	BETWEEN RAVEN HAYES ROAD AND GORSYMEAD GROVE	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S234	BETWEEN GORSYMEAD GROVE AND TESSALL LANE	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S235	BETWEEN 391 AND 399, TESSALL LANE	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S236	LAND CORNER OF, TESSALL LANE AND RAVEN HAYES ROAD	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S237	LOWER BEECHES ROAD	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S238	LOWER BEECHES ROAD	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S239	RAVENHAYES ROAD	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S24	184, HARBORNE ROAD	Edgbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
S240	BETWEEN FROGMILL ROAD AND, LOWER BEECHES ROAD	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S241	451 TO 471, TESSALL LANE	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S242	CORNER OF EGGHILL LANE AND, LOWER BEECHES ROAD	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S243	SITE OF CONWAY HOUSE AND BEAUMARIS HOUSE, MERRITTS HILL	Edgbaston	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S244	SITE OF RADNOR HOUSE, MERRITTS HILL	Edgbaston	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S245	170 TO 204, CROMWELL LANE	Edgbaston	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S246	SITE OF SOUTERS HOUSE, GRAZEBROOK CROFT	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S247	SITE OF BROADMEADOW HOUSE AND BARTLEY HOUSE, PENRITH CROFT	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S248	FORMER LAPPATH HOUSE, DELLA DRIVE	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S249	SITE OF NEAR OAK HOUSE, DELLA DRIVE	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S250	LAND ADJACENT 244, JIGGINS LANE	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S251	EAST WORKS, GROVELEY LANE	Northfield*	River Rea	Freely draining slightly acid loamy soils	Freely draining	Low	part	no	Yes
S252	350, GROVELEY LANE	Northfield	River Rea	Freely draining slightly acid loamy soils	Freely draining	Low	part	no	Yes

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
S253	1 TO 75 (incl. 153 THURLESTONE RD), THELBRIDGE ROAD	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
S254	NORTH WORKS, LONGBRIDGE LANE	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
S255	NORTH WORKS, BRISTOL ROAD SOUTH	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	part	No
S256	LAND BETWEEN, CENTRAL AVENUE AND CONEY GREEN DRIVE	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S257	BUCKINGHAM HOUSE, TURVES GREEN	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S258	LAND FRONTING, LONGBRIDGE LANE	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S259	LAND REAR OF 20 AND 22, COOMBS LANE	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S26	1040, PERSHORE ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S260	REAR OF 33 TO 47, AUSTIN RISE	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S261	1108, BRISTOL ROAD SOUTH	Northfield	River Rea	Freely draining slightly acid loamy soils	Freely draining	Low	yes	no	Yes
S262	MILL LANE	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S263	LAND AT, LEY HILL FARM ROAD	Eggbaston	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	part	Yes
S264	LAND AT, LEY HILL FARM ROAD AND HOLLOWAY	Eggbaston	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	part	Yes
S265	LAND BETWEEN HOLLOWAY AND RHAYADER ROAD FRONTING, LEY HILL FARM ROAD	Eggbaston	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S266	LAND FRONTING, CABAN CLOSE AND LEY HILL FARM ROAD	Eggbaston	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S267	27, SHENLEY LANE	Eggbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S268	67 TO 81, MOORS LANE	Eggbaston	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S269	87 TO 113, MOORS LANE	Eggbaston	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S270	80, RIDGACRE ROAD	Eggbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	part	No
S271	ADJACENT TO 78, RILSTONE ROAD	Eggbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S272	136 AND 138, TENNAL ROAD	Eggbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S273	ADJ. 85, REDHILL ROAD	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S274	85, ALVECHURCH ROAD	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S275	LAND ADJACENT 44, STATION ROAD	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S276	LAND REAR OF 120 TO 122, CHATHAM ROAD	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S277	142, MAAS ROAD	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S278	77, WOODLAND ROAD	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S279	LAND OFF, BLACK HAYNES ROAD AND BURDOCK ROAD	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	part	part	Yes
S280	620A, BRISTOL ROAD SOUTH	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S281	ADJACENT 47, BELL LANE	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S282	124 TO 142, BURNEL ROAD	Eggbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S283	SITE OF THE RAVEN PUBLIC HOUSE, CASTLE ROAD	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S284	ADJACENT 9, TENNAL ROAD	Eggbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S285	LAND BOUNDED BY, HIGH STREET AND HARBORNE PARK ROAD	Eggbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S286	REAR OF 42, HAMILTON AVENUE	Eggbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S287	69, HAMILTON AVENUE	Eggbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S288	REAR OF 17, GILLHURST ROAD	Eggbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S289	431 TO 435, HAGLEY ROAD	Eggbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S29	ADJACENT 163, COLE VALLEY ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S290	WEST HEATH HOSPITAL, REDNAL ROAD	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S291	26 TO 92, GRANGE FARM DRIVE	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S292	ADJACENT 19, ANNSCROFT	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S293	REAR OF 33A TO 39, BUNBURY ROAD FRONTING LINDSEY AVENUE	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S294	LAND ADJACENT 14, MIDDLETON GRANGE	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S295	REAR OF 153, MIDDLETON HALL ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S296	BETWEEN 12 AND 38, OVERBURY ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S297	ADJACENT 60, OVERBURY ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S298	BETWEEN 32 AND 58, INGOLDSBY ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S299	CORNER OF INGOLDSBY ROAD AND, OVERBURY ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S3	The Princess Royal Centre	Eggbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
S300	SITE OF 64 TO 74, LONGFELLOW ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S301	BOURNVILLE COLLEGE SITE, BRISTOL ROAD SOUTH	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S302	142, WEOLEY PARK ROAD	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S303	LAND REAR OF 36 TO 60, LODGE HILL ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
S304	245 to 247, HARBORNE LANE	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S305	ABOVE 12, VINCENT DRIVE	Eggbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
S306	FORMER GOLDEN CROSS PUBLIC HOUSE, METCHLEY LANE	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S307	ADJACENT 7, WENTWORTH GATE	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S308	LAND ADJACENT 1, ST JOHNS ROAD	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S309	278 TO 286, HIGH STREET	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S31	REAR OF 16, WOODGATE LANE	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S310	SITE OF 8 TO 22, HARBORNE PARK ROAD	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S311	LAND ADJACENT 51, HARBORNE PARK ROAD	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S312	ADJACENT 34, BANTOCK WAY	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S313	LAND REAR OF 140 TO 146, RAVENHURST ROAD	Edgbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
S314	LAND OFF, RAVENHURST ROAD	Edgbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
S315	PORTLAND CENTRE, PORTLAND ROAD	Edgbaston	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S316	128, PORTLAND ROAD	Edgbaston	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S317	278, HAGLEY ROAD	Edgbaston	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S318	323 TO 327, HAGLEY ROAD	Edgbaston	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S319	PART 125, PORTLAND ROAD	Edgbaston	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S320	38 TO 40, REDDITCH ROAD	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S321	LAND ADJACENT 19, BEAKS HILL ROAD	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S322	SITE OF 145, 145A AND 147, REDDITCH ROAD	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S323	1853 TO 1855, PERSHORE ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S324	REAR OF 77, PERSHORE ROAD SOUTH	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S325	REAR OF 75, PERSHORE ROAD SOUTH	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S326	238, PERSHORE ROAD SOUTH	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S327	LAND BOUNDED BY, CHAPEL LANE AND HARBORNE ROAD AND BRISTOL ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
S328	SELLY OAK INDUSTRIAL ESTATE, ELLIOTT ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
S329	17, RADDLEBARN ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S33	Wychbury Road Allotments	Edgbaston	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S330	581, BRISTOL ROAD	Selly Oak	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
S331	218, HARBORNE ROAD	Edgbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
S332	LAND ADJACENT 14, PRITCHATTS ROAD	Edgbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
S333	ADJACENT 33, CHRISTCHURCH CLOSE	Edgbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
S334	REAR OF 78 TO 96, HAGLEY ROAD	Edgbaston	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S335	35a, PORTLAND ROAD	Edgbaston	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S336	LAND CORNER OF, HAROLD ROAD AND WATERWORKS ROAD	Edgbaston	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S337	35 TO 37, MONKSWAY	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S338	27 to 33, MONKSWAY	Northfield	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S339	40 TO 50, SISEFIELD ROAD	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S34	William Rathbone Care Home, Dimmingsdale Bank	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S340	FMR, FLATS 1-6 AT 93; FLATS 1-3 AT 95, HILLMEADS ROAD	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S341	FORMER CAR PARK SITE, HUDSONS DRIVE	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S342	ADJACENT 28, HAZELWELL ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S343	131, FRANCES ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S344	1650, PERSHORE ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S345	84, RADDLEBARN FARM DRIVE	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S346	LAND FRONTING, PERSHORE ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
S347	1125 TO 1157, PERSHORE ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S348	LAND AT, BEWDLEY ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
S349	1403 TO 1407, PERSHORE ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S350	1256 TO 1258, PERSHORE ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S351	REAR OF 768 TO 772, PERSHORE ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
S352	SITE OF 248 TO 250, BRISTOL ROAD	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S353	REAR OF 34A TO 40, OAKFIELD ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
S354	LAND REAR OF 5 TO 8, GEORGE ROAD	Edgbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
S355	OPPOSITE 85 TO 87, MONYHULL HALL ROAD	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S356	BETWEEN 17 AND 39 AND REAR OF, KINGS ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S357	ADJACENT 1, FROME WAY	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S358	DAWBERRY ALLOTMENTS, OFF HARTON WAY	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
S359	REAR OF 348 TO 352, MOOR GREEN LANE	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S36	Bourn Avenue	Edgbaston	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S360	LAND BETWEEN 34 AND 40, GOODBY ROAD	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	part	No
S361	123, MOOR GREEN LANE AND RUSSELL ROAD	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S362	LAND BOUNDED BY, SUMMER ROAD AND CHARLOTTE ROAD AND WOODVIEW DRIVE	Edgbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
S363	SITE OF FARCLOSE HOUSE, CAMBRIDGE CRESCENT	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
S364	LEE BANK MIDDLEWAY, SPRING ROAD	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
S365	SITE OF 34, 36 & 38, SPRING ROAD	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
S366	LAND ADJACENT 6, CAMBRIDGE CRESCENT	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S367	LAND FRONTING, STONE ROAD	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S368	2, BELLEVUE	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S369	LAND FRONTING, SUNDERTON ROAD AND BROAD LANE	Selly Oak	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S37	The Holloway	Edgbaston	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S370	LAND FRONTING, BROAD LAND AND BAYSTON ROAD	Selly Oak	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S371	106 TO 160, SUNDERTON ROAD	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S372	194 TO 196, SUNDERTON ROAD	Selly Oak	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S373	30 TO 32, TILSHEAD CLOSE	Selly Oak	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S374	LAND BETWEEN 155 AND 157, ALL SAINTS ROAD	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S375	213 AND 215, ALCESTER ROAD SOUTH	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S376	108, LIVINGSTONE ROAD	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S377	REAR OF 71 TO 85, TAYLOR ROAD	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S378	156 TO 162 (incl 154), GRANGE ROAD	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S379	REAR OF 20, REDWOOD CROFT	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S38	Allenscroft Road	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S380	REAR OF 26, MOOR GREEN LANE	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S381	50, SCHOOL ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S382	BETWEEN 74 AND 84, GRANGE ROAD	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S383	120 TO 126, ALCESTER ROAD	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S384	178, SLADEPOOL FARM ROAD	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S385	LAND ADJOINING 38, MOUNTFIELD CLOSE	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S386	171 TO 173, MAYPOLE LANE	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S387	REAR OF 332, HIGHTERS HEATH LANE	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S388	REAR OF 7 TO 16, JANICE GROVE	Selly Oak	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S389	SITE OF 17 TO 19, PENDEEN ROAD	Selly Oak	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S39	Amroth Close	Northfield	River Rea	Freely draining slightly acid loamy soils	Freely draining	Low	yes	no	Yes
S390	LAND AT, WHITLOCK GROVE	Selly Oak	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S391	REAR OF 163, MAY LANE	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S392	REAR OF 243 TO 245, YARDLEY WOOD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S393	ADJACENT 21, SANDFORD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S394	ADJACENT 7, COPPICE ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S395	LAND ADJACENT 134, ANDERTON PARK ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S396	FORMER ELBIEF & JOHNSON WORKS, PRINCE OF WALES LANE	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	part	No
S397	1118, YARDLEY WOOD ROAD	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S398	LAND ADJACENT 33, PUREFOY ROAD	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S399	85, BUNBURY ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S4	Goodrest Care Home, Reddich Road	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S40	Baldwin Road	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S400	197 TO 199, HAGLEY ROAD	Edgbaston	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S401	72, BOTTETOURT ROAD	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S402	26, POPLAR AVENUE	Edgbaston	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S403	191 TO 193, HAGLEY ROAD	Edgbaston	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S404	2 BELL LANE AND, 721 BRISTOL RD SOUTH	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S405	479, GILLOTT ROAD	Edgbaston	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S406	ADJACENT 4, VICARAGE ROAD	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S407	43, ST. COLUMBAS DRIVE	Northfield	River Rea	Freely draining slightly acid loamy soils	Freely draining	Low	yes	no	Yes
S408	7, MEADOW ROAD	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No

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S409	ADJACENT 74, SCRIBERS LANE	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S41	Bowood Crescent	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S410	256 AND 258, ROBIN HOOD LANE	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S411	275, HIGHFIELD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S412	187, HIGHFIELD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S413	ADJACENT 100, SMIRRELLS ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S414	REAR OF 19 AND 21, TIXALL ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S415	REAR OF 5 TO 9, TIXALL ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S416	22, BURNASTON ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S417	REAR OF 282 TO 284, ROBIN HOOD LANE	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S418	146 TO 156, SAREHOLE ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S419	1616 TO 1618, PERSHORE ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S42	Braceby Avenue rear 81	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S420	21, CLARENDON ROAD	Edgbaston	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S421	19, ASHBURTON ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S422	564-566, BRISTOL ROAD	Selly Oak	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
S423	24, SOMERSET ROAD	Edgbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
S424	ABOVE 17, WATFORD ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S425	ABOVE 187, HAGLEY ROAD	Edgbaston	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S426	169, ALCESTER ROAD	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S427	REAR OF 144 TO 152, LAKEY LANE	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S428	105, LAKEY LANE	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S429	60, UPLAND ROAD	Selly Oak	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
S43	Braceby Avenue rear 233	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	part	No
S430	19, MONTAGUE ROAD	Edgbaston	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S431	91, TENNAL ROAD	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S432	167, PRINCE OF WALES LANE	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S433	29, BOURNVILLE LANE	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S434	4, ABBOTS ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S435	1070, STRATFORD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S436	47, SILVER STREET	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S437	36, MAYFIELD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S438	15, COPPICE ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S439	820, PERSHORE ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S44	Bramber House	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S440	10, CHURCH ROAD	Edgbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
S441	44, GEORGE ROAD	Edgbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
S442	8, CHAD ROAD	Edgbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
S443	43, OXFORD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S444	60, LENCH'S CLOSE	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S445	ABOVE 175 TO 177, HIGH STREET	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S446	732 TO 736, YARDLEY WOOD ROAD	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S447	8 TO 10, WATFORD ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S448	9 TO 11, ST AUGUSTINES ROAD	Edgbaston	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S449	22-24 GREENLAND ROAD, GREENLANDS HOUSE	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S45	Broadmeadow Close A	Selly Oak	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S450	98 TO 100, HIGH STREET	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S451	15 TO 27, HEATHFIELD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S452	1159 TO 1171, PERSHORE ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S453	71, FELLOWS LANE	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S454	249, ALCESTER ROAD SOUTH	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S455	144 TO 146, HIGHFIELD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S456	257 TO 267, HAGLEY ROAD	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S457	31, OXFORD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S458	66, HIGH STREET	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S459	34, ST. AGNES ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No

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S46	Cadine Gardens	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S460	1477 -1479, PERSHORE ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S461	1126-1128, STRATFORD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S462	123, PERSHORE ROAD	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S463	27, WELLINGTON ROAD	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
S464	45, CHURCH ROAD	Edgbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
S465	141, LEACH GREEN LANE	Northfield	River Rea	Shallow very acid peaty soils over rock	Variable	Very low	yes	no	No
S466	BIRMINGHAM GREAT PARK, BRISTOL ROAD SOUTH	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S467	BIRMINGHAM GREAT PARK, BRISTOL ROAD SOUTH	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
S468	BIRMINGHAM GREAT PARK, BRISTOL ROAD SOUTH	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S469	SITE OF FORMER COMMUNITY CENTRE, NEWMAN WAY	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S47	Capcroft Road 30	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S470	63, THORNTWAITE CLOSE	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S471	LAND FRONTING HOLLYHILL NURSING HOME, RUBERY LANE	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S472	505 TO 511, TESSALL LANE	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S473	19 TO 41, VINNALL GROVE	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S474	SITE OF 11 AND 15 AND 17, ALLWOOD GARDENS	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S475	LAND REAR OF 2 TO 8, TYNDALL WALK	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S476	LAND REAR OF 14 TO 20, WOODGATE GARDENS	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S477	LAND REAR OF 104 TO 114, LYE AVENUE	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S478	SITE OF 10 AND 12, ALLWOOD GARDENS	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S479	REAR OF 817 TO 829, HAGLEY ROAD WEST	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S48	Capern Grove A (wisley way)	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S480	36 TO 38, HIGH STREET	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S481	LAND ADJACENT 125, CHICHESTER DRIVE	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S482	281Hagley Road	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S483	313 Hagley Road	Edgbaston	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S484	29, ROTTON PARK ROAD	Edgbaston	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S485	REAR OF 2 TO 26, BARNSLEY ROAD	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S486	395, GILLOTT ROAD	Edgbaston	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S487	STW Works	Edgbaston	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S488	Poplar Avenue	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
S489	778 to 798 Bristol Road	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S49	Capern Grove 12	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S5	Collingwood Day Centre Westheath Road	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S51	Chilcote Close	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S52	Dawberry Road next to 72	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S53	Edgehill Road 31	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S54	Fladbury Cresent 100-118	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S56	Foster Way site A	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S57	Frankley Beeches 458	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S58	Glenavon Road 23	Selly Oak	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S59	Gregory Avenue	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S60	Highfield Lane adj 51	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S61	Highers Close	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S62	Masshouse Lane	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S63	Modbury Avenue	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S64	Monmouth Road	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S65	Newick Grove (adj 14)	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S66	Newman Way Rear (114)	Northfield	River Rea	Shallow very acid peaty soils over rock	Variable	Very low	no	yes	No
S67	Prestwood road (rear 29)	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S68	Roundlea Road (rear 32-40)	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S69	Sedgehill Avenue (rear 25)	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S73	Water Mill Close (adj 25)	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
S74	Woodcock Lane (rear 178)	Edgbaston	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S75	8-10 Sheffield Road	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
S84	Ley Hill Phase 4 pt 2	Edgbaston	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
S88	The Curdale Shopping Centre	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S89	Arden Road Frankley site 1	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
S9	Pocklington Place Hole Lane	Selly Oak	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
S90	Arden Road Frankley site 2	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S91	Hazel drive/green Meadow	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
S93	Yardley Wood Road	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
S94	Land adjacent to 679 Bristol Road	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
S95	Land adjacent to 17-20 Selly Wharf	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S97	955 Pershore Road	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S98	694-704 Pershore Road	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
S99	582-588 Pershore Road	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No

Figure L.1 - Residential Sites SUDS Suitability Tables

Site Reference	Address	Street Name	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
007710302	BIRMINGHAM GREAT PARK	HOLLYMOOR WAY	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
007710303	BIRMINGHAM GREAT PARK	HOLLYMOOR WAY	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
007720300	OLD WEST WORKS	BRISTOL ROAD SOUTH	Northfield	River Rea	Freely draining slightly acid sandy soils	Freely draining	Low	part	part	Yes
007720400	1547 TO 1563	BRISTOL ROAD SOUTH	Northfield	River Rea	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
007741000	SOUTH WORKS	LICKEY ROAD	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
007810302	8 TO 38; 2.4.22.24	WESTCOTE AVENUE	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
008110800	NEWMAN UNIVERSITY COLLEGE	GENNERS LANE	Egbaston	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
008110900	KING EDWARDS GRAMMAR SCHOOL	SCOTLAND LANE	Egbaston	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
008430300	FOUR DWELLINGS PRIMARY SCHOOL	QUINTON ROAD WEST	Egbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
008440200	LAND CORNER OF	WORLD'S END LANE AND LOWER WHITE ROAD	Egbaston	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	yes	Yes
017710101	NORTH WORKS	LONGBRIDGE LANE	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	part	No
017710102	NORTH WORKS	LONGBRIDGE LANE	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
017710103	NORTH WORKS	BRISTOL ROAD SOUTH	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	part	No
017710202	NORTH WORKS CAR PARK	LONGBRIDGE LANE AND DEVON WAY	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
017710203	NORTH WORKS CAR PARK	LONGBRIDGE LANE AND DEVON WAY	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
017710204	NORTH WORKS CAR PARK	LONGBRIDGE LANE AND BRISTOL ROAD SOUTH	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
017840100	KALAMAZOO GROUP	BRISTOL ROAD SOUTH	Northfield	River Rea	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
017920700	SOUTH OF VINEYARD ROAD	ULWINE DRIVE	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
018140400	SHENLEY COURT SCHOOL	SHENLEY LANE	Egbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
018221200	LAND OFF	BARNES HILL	Egbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	part	No
018530100	343 TO 349 AND LAND TO REAR	HAGLEY ROAD WEST	Egbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
027820400	SITE OF THE OLD MILL PUBLIC HOUSE	ABBEYDALE ROAD	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
027841200	196 TO 198	WEST HEATH ROAD	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
028030500	620A	BRISTOL ROAD SOUTH	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
028030700	620	BRISTOL ROAD SOUTH	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
028040700	ROYAL ORTHOPAEDIC HOSPITAL	BRISTOL ROAD SOUTH	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
028320100	LAND ADJACENT 100 TO 146	FERNLIFFE ROAD	Egbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
028441100	LAND BOUNDED BY	HIGH ST & HARBORNE PARK RD & ALBERT RD	Egbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
028441200	HARBORNE BATHS	LORDSWOOD ROAD	Egbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
029040500	FORMER TRAINING CENTRE	MIDDLEMORE ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	part	No
037710700	77	NEARHILL ROAD	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
038320500	85 AND LAND TO REAR	WOODLEIGH AVENUE	Egbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
038321100	ADJ BIRMINGHAM WOMENS HOSPITAL	METCHLEY PARK ROAD	Egbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
038422800	REAR OF 61 TO 77	HIGH STREET	Egbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
038422900	72 TO 94	HIGH STREET	Egbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
038721100	341	DUDLEY ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
038911800	LAND BETWEEN 33 AND 45	WATTVILLE ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
038922100	12A	HOLYHEAD ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
047821000	LAND REAR OF 3 TO 5	REDDITCH ROAD	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
047841000	CADBURY SIXTH FORM COLLEGE	DOWNLAND CLOSE	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
048110600	LAND AT	RADDLEBARN ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
048211000	LAND BOUNDED BY	CHAPEL LANE & HARBORNE RD & BRISTOL RD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
048211100	BIRMINGHAM BATTERY	OFF BRISTOL ROAD SOUTH	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
048211500	BATTERY RETAIL PARK	CHAPEL LANE	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
048211600	B & Q SITE	HARBORNE LANE	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
048231300	778 TO 798	BRISTOL ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
048241200	17	RADDLEBARN ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
048330201	BIRMINGHAM BATTERY SITE	OFF HARBORNE LANE	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
048330202	BIRMINGHAM BATTERY ADJ TO RAILWAY	OFF HARBORNE LANE	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
048340900	572 TO 574	BRISTOL ROAD	Selly Oak	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
048341200	CHANCELLORS COURT	EDGBASTON PARK ROAD	Egbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
048440204		VINCENT DRIVE	Egbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
048641600	226	MONUMENT ROAD	Egbaston	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
048712402	SITE OF CARLTON HOUSE	FRONTING ABERDEEN STREET	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
048810303	WESTERN BUSINESS PARK	BETWEEN HANDSWORTH NEW RD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
048831300	SHERATT INDUSTRIAL ESTATE	WELLINGTON STREET	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
048911300	36	ROOKERY ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
048911500	321	SOHO ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
048911600	366	SOHO ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
048931600	LAND AT 5	BARN LANE	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
048941300	114 TO 118	SOHO ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
049021100	FORMER HANDSWORTH GIRLS SCHOOL	CHURCH LANE	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
049031100	201 TO 213	ROOKERY ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No

Site Reference	Address	Street Name	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
049141000		BROWNS GREEN	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
049220200	ADJACENT 8a	RAILWAY TERRACE	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
057911000	180	LIFFORD LANE	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
057920600	24	EBURY ROAD	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
058121400	1063	PERSHORE ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
058130700	1403 TO 1407	PERSHORE ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
058141300	LAND AT	HAZELWELL LANE AND PERSHORE ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
058141400	1256 TO 1258	PERSHORE ROAD	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
058210700	67	BOURNBROOK ROAD	Selly Oak	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
058310300	FORMER GYM AND MUSIC ROOMS	EDGBASTON PARK ROAD	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
058320101	FORMER PEBBLE MILL STUDIOS	BRISTOL ROAD AND PERSHORE ROAD	Edgbaston	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	part	No
058320103	FORMER PEBBLE MILL STUDIOS	BRISTOL ROAD AND PERSHORE ROAD	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
058320104	FORMER PEBBLE MILL STUDIOS	BRISTOL ROAD AND PERSHORE ROAD	Edgbaston	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	part	No
058510701	BIRMINGHAM CITY UNIVERSITY	WESTBOURNE ROAD	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
058510800	EDGBASTON SHOPPING CENTRE	HAGLEY ROAD	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
058510900	75	HARBORNE ROAD	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
058521200	LAND REAR OF 5 TO 8	GEORGE ROAD	Edgbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
058521400	54	GEORGE ROAD	Edgbaston	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
058610100	ADJACENT 156	LEDSAM STREET	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
058623100	LAND AT	ST VINCENT STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
058641600	LAND CORNER OF	SHEPCOTE STREET AND BROAD STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
058641800	80	BROAD STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
058641900	200	BROAD STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
058721700	LAND AT CORNER OF	ICKNIELD STREET AND HINGESTON STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
058722400	LAND CORNER OF	CARVER STREET AND WARSTONE LANE	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
058722600	THE BIRMINGHAM MINT	ICKNIELD STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
058722700	LAND BOUNDED BY	POPE STREET & MORETON ST & CARVER ST	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
058722900	92 TO 95	CARVER STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
058723000	86 AND 87	CARVER STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
058723100	LAND FRONTING	CARVER STREET AND POPE STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
058723200	LAND FRONTING	CARVER STREET AND POPE STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
058723400	LAND BOUNDED BY	ICKNIELD STREET & POPE ST & MORETON ST	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
058723500	11 TO 14	TENBY STREET NORTH	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
058723600	FORMER DORSET TOWER	CAMDEN STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
058731200	15	STEWART STREET	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
058742502	LAND FRONTING	POPE STREET AND CAMDEN STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
058743800	FORMER SANDPITS INDUSTRIAL ESTATE	SUMMER HILL STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
058743900	121 TO 137	CAMDEN STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
058744000	LAND FRONTING	CARVER STREET AND POPE STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
058744200	37 TO 55	CAMDEN STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
058744300	12 TO 13	ALBION STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
058811900	LAND CORNER OF	SOHO POOL WAY AND PARK ROAD	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
058812000	LAND AT	RADNOR STREET	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
058920900	12	HEATHFIELD ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
058943700	84 TO 90	VILLA ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
068440501	EDGBASTON MILL	EDGBASTON ROAD	Edgbaston	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
068440504	EDGBASTON MILL	EDGBASTON ROAD	Edgbaston	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
068440701	308 TO 330	PERSHORE ROAD	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
068440702	LAND ADJACENT CRICKET GROUND	PERSHORE ROAD	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
068520800	LAND BOUNDED BY	LEE BANK MIDDLEWAY & SPRING ST & BRISTOL ST	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
068611400	LAND AT CENTENARY SQUARE	CAMBRIDGE STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068612301	LAND CORNER OF	SUFFOLK STREET QUEENSWAY AND HOLLIDAY ST	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068612302	LAND FRONTING	HOLLIDAY STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068612303	LAND CORNER OF	HOLLIDAY STREET AND BRIDGE STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068612304	LAND BOUNDED BY	SUFFOLK STREET QUEENSWAY & HOLLIDAY ST	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068612305	LAND FRONTING	BRIDGE STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068612306	LAND FRONTING	BROAD STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068612307	LAND CORNER OF	BROAD STREET AND BRIDGE STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068622802	LAND BOUNDED BY	STEPHENSON STREET AND HILL ST	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068622900	103	COLMORE ROW	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068623100	7 TO 8	WATERLOO STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068623200	212 TO 223	BROAD STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068633400	LAND FRONTING	BATH ROW AND BEXHILL GROVE	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No

Site Reference	Address	Street Name	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
068641100	LAND AT 121	SUFFOLK STREET QUEENSWAY	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068642000	49 TO 51	HOLLOWAY HEAD	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068643400	79 TO 83	HOLLOWAY HEAD	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068643700	LAND BOUNDED BY	BLUCHER STREET & BROWNSA DRIVE & ELLIS ST	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068713800	35 TO 38	ST PAULS SQUARE	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068714900	55	REGENT PLACE	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068715000	14 TO 16	REGENT PARADE	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068715400	SITE OF ASHFIELD MOTORS	CAROLINE STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068715500	56 AND 57	CAROLINE STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068715700	35	VYSE STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068722700	FORMER BONDS NIGHTCLUB	HAMPTON STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068723000	90 TO 104	CONSTITUTION HILL	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068723500	60 TO 62	CONSTITUTION HILL	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068735400	MAHARAJA JASSA SINGH RAMARHIA HALL	NEWHALL STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068735700	3 TO 5	LEGGIE LANE	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068735800	LAND CORNER OF	NEWHALL STREET AND CHARLOTTE STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068736000	23 TO 26	GEORGE STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068736100	109 TO 138	NORTHWOOD STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068736400	32 TO 36	ALBION STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068740900	LAND BOUNDED BY	GREAT CHARLES ST & LUDGATE HILL & LIVERY ST	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068742802	SNOW HILL SITE	SNOW HILL STATION & SNOW HILL QUEENSWAY	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068742803	SNOW HILL SITE	SNOW HILL QUEENSWAY AND ST CHADS CIRCUS	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068811800	TENBY BUILDING	GREAT KING STREET NORTH	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068821400	40	FRANKFORT STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068832300	66 AND 67	GREAT HAMPTON STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068912300	102 TO 106	HEATHFIELD ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
068921900	161 TO 211	BIRCHFIELD ROAD	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068941800	HOLTE SCHOOL	WHEELER STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
068942400	LAND AT	ALMA WAY	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
069031500	CORNER OF	LIVINGSTONE ROAD AND WESTMINSTER ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
069041400	32 AND 34A	TRINITY ROAD	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
069120500	205	ALDRIDGE ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
069130400	REGINA DRIVE	WALSALL ROAD	Perry Barr	River Tame	Naturally wet very acid sandy and loamy soils	Naturally wet	Very low	yes	no	No
069210300	481	WALSALL ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
069220400	ALEXANDER STADIUM	WALSALL ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	part	part	No
069220500	CENTRAL MOTORWAY POLICE CENTRE	THORNBRIDGE AVENUE	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
069230200	425	WALSALL ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	part	part	No
069340300	LAND CORNER OF	BEECHES ROAD AND HASSOP ROAD	Perry Barr	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
078112300	2	VICARAGE ROAD	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
078321701	17A	ALCESTER ROAD	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
078330600	MOSELEY HALL HOSPITAL	ALCESTER ROAD	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
078341600	120 TO 126	ALCESTER ROAD	Hall Green	River Rea	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
078422300	LAND AT HADEN WAY AND	BELGRAVE MIDDLEWAY	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
078444200	LAND AT	BATH WALK	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
078444300	538 TO 540	MOSELEY ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
078510600	LAND BOUNDED BY	WRENTHAM STREET & KENT ST	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
078510700	52 TO 58	LOWER ESSEX STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
078522700	150 TO 159	MOSELEY STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
078542000	FORMER PINT POT PUBLIC HOUSE	EMILY STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
078610400	ADJACENT MOOR STREET QUEENSWAY	LAND FRONTING FREEMAN STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078610500	LAND BETWEEN	FREEMAN STREET AND ALBERT STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078612300	55	TEMPLE ROW	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078612500	3 TO 5 PARK STREET	DIGBETH	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
078612700	SITE OF 25 TO 31	CARRS LANE	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078612800	ST MARTINS SQUARE	BULL RING	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078622000	ADJOINING PARK STREET GARDENS	FAZELEY STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078622200	LAND BOUNDED BY	DIGBETH AND COVENTRY ST AND OXFORD ST	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
078622300	TYPHOON WHARF	BORDESLEY STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	part	part	No
078622400	LAND BOUNDED BY	BARTHOLOMEW STREET AND BANBURY STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078622500	27 AND 28	PARK STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
078622700	89 AND 90	MERIDEN STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
078632000	130 TO 134	BROMSGROVE STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
078632100	139 TO 141	BROMSGROVE STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No

Site Reference	Address	Street Name	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
078632200	FORMER SILVER BLADES ICE RINK	PERSHORE STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
078632400	LAND FRONTING UPPER DEAN STREET	PERSHORE STREET AND DEAN STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
078643101	LAND CORNER OF	BRADFORD STREET AND REA STREET	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
078643102	LAND CORNER OF	HIGH STREET DERITEND AND REA STREET	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
078643103	LAND FRONTING	BRADFORD STREET	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
078643104	LAND CORNER OF	HIGH STREET DERITEND AND STONE YARD	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
078643105	LAND CORNER OF	CHAPEL HOUSE STREET AND BRADFORD STREET	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
078643106	LAND CORNER OF	HIGH ST DERITEND AND CHAPEL HOUSE ST	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
078643200	LAND BOUNDED BY	BRADFORD ST & LOMBARD ST & CHEAPSIDE	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
078643300	LAND BOUNDED BY	BRADFORD ST & BIRCHALL ST & CHEAPSIDE	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
078643400	FORMER HARRISON DRAPE BUILDING	BRADFORD STREET	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	part	No
078643600	BULL RING TRADING ESTATE	HIGH STREET DERITEND	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
078643700	LAND CORNER OF	BRADFORD STREET AND ALCESTER STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
078711100	LAND BETWEEN	PRICE STREET AND VESEY STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078711900	LAND BOUNDED BY	LENCH STREET & VESEY STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078713800	29	SHADWELL STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078713900	21	LOWER LOVEDAY STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078720300	ZONE 5	WOODCOCK STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078720402	ASTON SCIENCE PARK	HOLT STREET AND LOVE LANE	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078722500	12	GOSTA GREEN	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078722601	69	DARTMOUTH MIDDLEWAY	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078722700	LAND BOUNDED BY	DARTMOUTH MIDDLEWAY & LISTER ST	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078731102	MARTINEAU GALLERIES	BETWEEN PRIORY QUEENSWAY AND MOOR ST	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078731401	2 SNOW HILL PLAZA	SNOW HILL QUEENSWAY	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078731402	1 SNOW HILL PLAZA	SNOW HILL QUEENSWAY	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078731700	LAND BOUNDED BY	PRIORY QUEENSWAY AND CHAPEL STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078740701	LAND FRONTING	ALBERT STREET AND SEYMOUR STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078740703	CORNER OF	MASSHOUSE LANE AND MOOR STT QUEENSWAY	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078740704	ALBERT STREET		Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078742100	SITE OF PARCELFORCE	CURZON STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	part	part	No
078742300	LAND BOUNDED BY	JAMES WATT QUEENSWAY AND ASTON STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078742400	LAND AT	PARK STREET AND CURZON STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078742500	CORNER OF	JENNENS ROAD AND CARDIGAN STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078742700	ORMISTON ACADEMY	GROSVENOR STREET/JENNENS ROAD	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078742800	LAND FRONTING MILLENNIUM POINT	CURZON STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078821400	LAND CORNER OF	ASTON ROAD NORTH AND AVENUE ROAD	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078822000	LAND ADJACENT 2	HOLLAND ROAD WEST	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078822100	ASTON MANOR SCHOOL	PHILLIPS STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078831000	CENTRAL GATE	NEW TOWN ROW AND MILLER STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078831500	LAND BETWEEN	LOWER TOWER STREET AND CECIL STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078842000	LAND FRONTING	BRACEBRIDGE STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
078941400	TOWER ROAD	BETWEEN LICHFIELD RD AND UPPER THOMAS ST.	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
079010900	LAND REAR	ASTON LANE	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
079011000	76	WELLHEAD LANE	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
079011100	BROADWAY SCHOOL	THE BROADWAY	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
079020603	FORMER IMI WORKS	WITTON ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
079020604	FORMER IMI WORKS	WITTON ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
079020606	FORMER IMI WORKS	WITTON ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
079020607	FORMER IMI WORKS	WITTON ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
079020608	FORMER IMI WORKS	WITTON ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
079020609	FORMER IMI WORKS	WITTON ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
079042600	320	WITTON ROAD	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
079120114	HOLFORD PARK	THAMESIDE DRIVE	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
079120115	HOLFORD PARK	HOLFORD WAY	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
079130800	HOLFORD DRIVE PLAYING FIELDS	HOLFORD DRIVE	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
079130900	116	ALDRIDGE ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
079210900	FORMER DEPOT	ALDRIDGE ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
079230502	359 TO 363	ALDRIDGE ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
079230606	TAMESIDE PARK	ALDRIDGE ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
079240500	FORMER P & O CONTAINER DEPOT	COLLEGE ROAD	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
088140500	BILLESLEY COMMON	YARDLEY WOOD ROAD	Selly Oak	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
088312000	ABOVE 357 TO 363	LADYPOOL ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
088412200	142 TO 144	LADYPOOL ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No

Site Reference	Address	Street Name	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
088423401	CORNER OF	STRATFORD ROAD AND PALMERSTON ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
088423700	247 TO 249	STRATFORD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
088423801	226 TO 252	HIGHGATE ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
088423802	254 TO 262	HIGHGATE ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
088423900	207	STRATFORD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
088424000	316	HIGHGATE ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
088424100	222 TO 224	HIGHGATE ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
088512000	LAND BOUNDED BY MOSELEY STREET	MOSELEY ROAD AND CHEAPSIDE	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
088512600	11 TO 19	MOSELEY ROAD	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
088512700	98 AND 102 AND 106	MOSELEY ROAD	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
088512800	LAND CORNER OF WARNER STREET	BRADFORD STREET AND WARWICK STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
088521100	REGENTS PARK PRIMARY SCHOOL	ARTHUR STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
088533300	55 TO 81	STRATFORD ROAD	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
088542200	LAND CORNER OF	SAMPSON ROAD AND FARM ROAD	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
088542300	LAND CORNER OF	GRANTHAM ROAD AND DOLOBRAN ROAD	Hall Green	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
088632500	230	BRADFORD STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
088632800	215	BRADFORD STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
088632900	11	BROMLEY STREET	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
088642300	150	COVENTRY ROAD	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
088710301	LAND CORNER OF	JENNENS RD & BELMONT ROW & CARDIGAN ST	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
088710302	LAND CORNER OF	JENNENS RD & BELMONT ROW & CARDIGAN ST	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
088710303	LAND CORNER OF	BELMONT ROW AND CARDIGAN STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
088710304	LAND FRONTING	BELMONT ROW	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
088721900	HEARTLANDS ACADEMY	GREAT FRANCIS STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
088731800	LAND OFF	BELMONT ROW	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
088731900	LAND CORNER OF	LAWLEY STREET MIDDLEWAY AND JENNENS ROAD	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
088732000	FRONTING GOPSAL STREET AND	CARDIGAN STREET AND BELMONT ROW	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
088732100	LAND FRONTING	LAWLEY MIDDLEWAY	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
088732200	LAND FRONTING GOPSAL STREET	PENN STREET AND CARDIGAN STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
088732300	LAND CORNER OF	GOPSAL STREET AND PENN STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
088732400	LAND CORNER OF	PITT STREET AND LAWLEY MIDDLEWAY	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
088732500	LAND CORNER OF	LAWLEY MIDDLEWAY AND CURZON STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
088811102	LAND BETWEEN	CHESTON RD & BIRMINGHAM TO FAZELEY CANAL	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
088811600	ADJ BIRMINGHAM TO FAZELEY CANAL	CORNER OF ROCKY LANE AND CHESTER STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
088821400	UNITS 5 TO 14	RAILWAY TERRACE	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
088830800	WINDSOR STREET GAS WORKS	WINDSOR STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
088921400	LAND AT	PRIORY ROAD	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
089130500	ATLAS INDUSTRIAL ESTATE	BROOKVALE ROAD	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
089320400	LAND REAR OF 576 TO 580	COLLEGE ROAD	Erdington	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
089341800	452	COLLEGE ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
098220700	858	STRATFORD ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
098321900	GREET PRIMARY SCHOOL	PERCY ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
098340700	ADJACENT 43	FORMANS ROAD	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
098420211	SMALL HEATH TRADING ESTATE	ARMOURY ROAD	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
098442900	FORMER FISHER FOUNDRIES LTD	ALBION ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
098512100	361	COVENTRY ROAD	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
098512200	90	JENKINS STREET	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
098512300	226	HERBERT ROAD	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
098521002	448 TO 454	COVENTRY ROAD	Ladywood	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
098541600	DAYS INN HOTEL	GOLDEN HILLOCK ROAD	Hall Green	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
098622500	CONNECT DISTRIBUTION SERVICES	BORDESLEY GREEN ROAD	Ladywood	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
098622600	BORDESLEY GREEN GIRLS SCHOOL	BORDESLEY GREEN ROAD	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
098644900	235 TO 239	GREEN LANE	Ladywood	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
098710109	47	DEVON STREET	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
098711300	30	INKERMAN STREET	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
098912300	LAND ADJACENT BOC	PLUME STREET	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
098912800	CUCKOO WHARF BUSINESS PARK	LICHFIELD ROAD	Ladywood	River Tame	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	yes	no	No
098922100	32	WATSON ROAD	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	yes	no	No
099030400	SALFORD METALS	LICHFIELD ROAD	Ladywood	River Tame	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	yes	no	No
099110800	STOCKLAND GREEN CAMPUS	SLADE ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
099120900	STOCKLAND GREEN SCHOOL	SLADE ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
099240300	162 TO 164	STREETLY ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
099411300	CURRY'S LTD	PRINCESS ALICE DRIVE	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No

Site Reference	Address	Street Name	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
108240300	LAND OFF	WELBY ROAD	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
108310500	LAND CORNER OF	MANOR FARM ROAD AND WARWICK ROAD	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
108310601	SIGNAL POINT - PHASE 1	BATTERY WAY	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
108310602	SIGNAL POINT - PHASE 2	BATTERY WAY	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
108310603	SIGNAL POINT - PHASE 3	BATTERY WAY	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
108411600	LAND REAR OF OAKFIELD HOUSE	TALBOT WAY	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
108411700	SAPCOTE BUSINESS PARK	SMALL HEATH HIGHWAY	Yardley	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
108420700	LAND SOUTH OF	THE FORDROUGH	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
108440400	HAY HALL WORKS	REDFERN ROAD	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
108713100	SITE OF 2 TO 60	CLODESHALL ROAD	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
108720900	LAND ADJACENT 409	ALUM ROCK ROAD	Hodge Hill	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
108721000	LAND CORNER OF	ALUM ROCK ROAD AND ROCKVILLE ROAD	Hodge Hill	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
108811100	LAND BETWEEN CHARTIST RD & ARLEY RD	FRONTING ASTON CHURCH ROAD	Hodge Hill	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
108832000	PARK VIEW SCHOOL	NASEBY ROAD	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
108930600	FORMER ALSTOM SITE	COMMON LANE	Hodge Hill	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
109011500	LAND REAR OF 1 TO 7	OVAL ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
109040600	33	STONEYHURST ROAD	Erdington	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
109040700	288 TO 298	TYBURN ROAD	Erdington	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
109121502	300	RESERVOIR ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
109141800	1 TO 3	WOOD END ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
109210300	157	SHORT HEATH ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
109420800	339 TO 341	JOCKEY ROAD	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
118210200	242, 242a, 242b	SPRING ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
118240400	ADJACENT 111	GREENWOOD AVENUE	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
118431000	LAND ADJACENT 76	WHARFDALE ROAD	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
118431100	LAND REAR OF	REDFERN ROAD	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
118431200	2	HAY HALL ROAD	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
118440400	TYSELEY WHARF	WHARF ROAD	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
118541900	1202 TO 1210	COVENTRY ROAD	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
118542000	REAR OF 1202 TO 1210	COVENTRY ROAD	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
118542100	1270	COVENTRY ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
118631300	YARDLEY GREEN HEALTH CAMPUS	YARDLEY GREEN ROAD	Hodge Hill	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
118730200	SALTLEY SCHOOL	BELCHERS LANE	Hodge Hill	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
118810700	WARD END JUNIOR AND INFANT SCHOOL	INGLETON ROAD	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
118840300	749 AND 751	WASHWOOD HEATH ROAD	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
118840400	818	ALUM ROCK ROAD	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
118920500	SITE CORNER OF	BROMFORD ROAD AND FORT PARKWAY	Erdington	River Tame	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
118930102	HEARTLANDS CENTRAL	BETWEEN WOLSELEY DRIVE AND DREWS LANE	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
118940501	LAND CORNER OF	BROMFORD LANE AND FAIRHOLME ROAD	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
118940601	REAR OF BROMFORD INN PUBLIC HOUSE	BROMFORD LANE	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
119040700	HASTINGWOOD INDUSTRIAL PARK	WOOD LANE	Erdington	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
119111200	120 TO 146	HIGH STREET	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
119231200	ADJACENT 4	ORPHANAGE ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
119231500	NORMANHURST, 40	SUTTON ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
119331500	346 TO 352	GRAVELLY LANE	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
119421000	156 TO 158	BIRMINGHAM ROAD	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
119521700	21 TO 23A	BIRMINGHAM ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
119640100	LAND FRONTING	BRASSINGTON AVENUE	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
119821900	LAND CORNER OF	MERE GREEN ROAD AND LICHFIELD ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
128130300	FORMER GOSPEL OAK PUBLIC HOUSE	GOSPEL LANE	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
128311000	69 AND 71	YARDLEY ROAD	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	no	No
128520600	554	HOB MOOR ROAD	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
128540100	SWAN SHOPPING CENTRE	CHURCH ROAD	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
128540500	YARDLEY PRIMARY SCHOOL	HARVEY ROAD	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
128620600	STECHFORD JUNIOR AND INFANT SCHOOL	ALBERT ROAD	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
128721000	LAND ADJACENT UNIT 3	RIVERSIDE DRIVE	Yardley	River Cole	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
129010700	829	TYBURN ROAD	Erdington	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
129021000	ADJACENT 635	KINGSBURY ROAD	Erdington	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
129030700	UNIT 7	FORT PARKWAY	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
129040700	STADCO LTD	VANTAGE WAY	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
129120800	ADJACENT 156	SPRINGTHORPE ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	no	No
129310300	71	BROOKS ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
129331101	65 AND 67	PENNS LANE	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes

Site Reference	Address	Street Name	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
129511300	34	WHILE ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
129620300	GOOD HOPE HOSPITAL	RECTORY ROAD	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
138940400	CLOCK SERVICE STATION	COLESHILL ROAD	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
138940500	LAND OFF SHAWSDALE RD	FIRS FARM ROAD AND ROUGHLEA AVENUE	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
139040303	LAND ADJ FORT JESTER PUBLIC HOUSE	CHESTER ROAD	Erdington	River Tame	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
139040600	FMR.STAGECOACH PUBLIC HOUSE	BERRANDALE ROAD	Hodge Hill	River Tame	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	no	No
139131100	ADJACENT UNIT A (ALLIED CARPETS)	KINGSBURY ROAD	Erdington	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
139131201	OPUS ASPECT	CHESTER ROAD	Erdington	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
139131202	OPUS ASPECT	CHESTER ROAD	Erdington	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
139131203	OPUS ASPECT	CHESTER ROAD	Erdington	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
139131400	RAVENSIDE RETAIL PARK	KINGSBURY ROAD	Erdington	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
139140500	ABOVE UNITS 3 AND 4	CHESTER ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
139740900	THE WHITE HORSE PREMIER LODGE	WHITEHOUSE COMMON ROAD	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
148630600	ADJACENT 79	BROADSTONE ROAD	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
148720103	LAND BETWEEN	COLE HALL LANE AND LEA FORD ROAD	Hodge Hill	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	part	Yes
148720110	YARDLEY BROOK INDUSTRIAL ESTATE	LEAFORD ROAD	Hodge Hill	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
148720111	YARDLEY BROOK INDUSTRIAL ESTATE	LEA FORD ROAD	Hodge Hill	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
149020500	FORMER SKYLARK PUBLIC HOUSE	FARNBOROUGH ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
149240600	SUNNYSIDE & BROOKLYN	KINGSBURY ROAD	Erdington	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	no	no	Yes
149240700	MINWORTH INDUSTRIAL PARK	FORGE LANE	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	no	yes	Yes
149610208	ST GEORGES BARRACKS	RECTORY ROAD	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
149640300	SITE OF NEW HALL J&I SCHOOL	WOODINGTON ROAD	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
158310500	2259 TO 2297	COVENTRY ROAD	Yardley	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
158531200	LAND ADJACENT RADLEYS PUBLIC HOUSE	SHELDON HEATH ROAD	Yardley	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	no	Yes
158620600	FORMER TILE CROSS HALL	BLACKMOOR CROFT	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
158641500	UNIT 4	BANNERLEY ROAD	Yardley	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
158641700	LAND CORNER OF	BANNERLEY ROAD AND GRANBY AVENUE	Yardley	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
158641800	ROTADEX SYSTEMS HOUSE	MACKADOWN LANE	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
158810800	LAND FRONTING	OWNALL ROAD AND SHARD END CRESCENT	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
158830600	27	PACKINGTON AVENUE	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
159010200		FARNBOROUGH ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
159130200	RIDINGS NURSING HOME	FARNBOROUGH ROAD	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
159240900	MINWORTH GREEN BUSINESS CENTRE	KINGSBURY ROAD	Sutton Coldfield	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	no	part	Yes
159440600	LINDA VISTA FARM (REAR OF)	BULLS LANE	Sutton Coldfield	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
169110101	FORMER MINWORTH SEWAGE WORKS	WATER ORTON LANE	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
169110102	FORMER MINWORTH SEWAGE WORKS	WATER ORTON LANE	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
169110105	FORMER MINWORTH SEWAGE WORKS	WATER ORTON LANE	Sutton Coldfield	River Tame	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
169110106	FORMER MINWORTH SEWAGE WORKS	WATER ORTON LANE	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
997710400	BIRMINGHAM GREAT PARK	BRISTOL ROAD SOUTH	Northfield	River Rea	Shallow very acid peaty soils over rock	Variable	Very low	no	yes	No
997830600	LAND FRONTING	NEW STREET AND ARDEN ROAD	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No

Figure L.2 - Commercial Sites SUDS Suitability Table

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
3	Catesby	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
6	Kings Norton Business Park	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
8	Refuse Works	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
13	Stirchley Trading Estate	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
16	Frankley Industrial Estate	Northfield	River Rea	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	part	Yes
19	Longbridge Small	Northfield	River Rea	Freely draining slightly acid loamy soils	Freely draining	Low	part	part	Yes
21	Woodgate Business Park	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
21	Woodgate Business Park	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
22	Quintan Bus Park (being developed)	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
22	Quinton Meadows	Edgbaston	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	yes	No
27	Alcoa	Hodge Hill	River Cole	Slightly acid loamy and clayey soils with impeded drainage	Slightly impeded drainage	Moderate to high	no	part	Yes
28	Small Heath Trading Estate and Surround	Yardley	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
30	Tyseley Industrial Estate	Hall Green	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
30	Tyseley Industrial Estate	Yardley	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	yes	No
35	Hurricane Park	Erdington	River Tame	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
36	Kings Road Industrial area	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
37	Small Heath Business Park	Yardley	River Cole	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
38	Burn Road (continuation of Gravelly Business Park	Erdington	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	part	No
39	Spitfire and Merlin Park(s). Also Jaguar and Fort	Erdington	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
40	Midpoint Park	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	no	part	Yes
41	Kingsbury Business Park	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
44	Erdington Industrial Park	Erdington	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
45	Castle Bromwich business Park (and Hayward Industr	Erdington	River Tame	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	yes	No
46	Gravelly Industrial Park	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	part	No
47	Nechells scrap rail site	Ladywood	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	yes	No
48	Saltley Business Park	Hodge Hill	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
51	Salford Trading Estate	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
53	Aston Science Park	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
55	Witton	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
56	The Hub	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
57		Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
58	Winson Green	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
59	Doranda Way Industrial Estate	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	part	No
61	Perry Barr Stadium	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
62	Kingstanding (small inds estate is Century Indust	Perry Barr	River Tame	Freely draining slightly acid sandy soils	Freely draining	Low	yes	no	Yes
63	Summer Lane	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
65	Argyle Street	Ladywood	River Tame	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	yes	no	No
66	Dunton Trading Estate	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	part	part	No
67	Former P&O Site	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
68		Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
72	Castle Vale Enterprise Park	Erdington	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	no	part	Yes
73	Minworth Industrial Park	Sutton Coldfield	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
74	GKN and Adjoining Industrial Park	Erdington	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
75	Former ASTROM Site	Hodge Hill	River Rea	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
76	Aston Regional Investment Site	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
77	Aston Regional Investment Site	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
79	Pebble Mill	Edgbaston	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	no	part	No
81	Ardarth Road	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
82	Springhill Trading Estate	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
90	DENSO and Shaffmoor Lane Trading Estate	Hall Green	River Cole	Slowly permeable seasonally wet acid loamy and clayey soils	Impeded drainage	Low	no	part	No
92	Cadburys	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	no	No
94	Birmingham Battery High Technology Site	Selly Oak	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
97		Perry Barr	River Tame	Naturally wet very acid sandy and loamy soils	Naturally wet	Very low	no	part	No
16a	Arden Business Park	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	no	part	No
20a	Core Longbridge	Northfield	River Rea	Freely draining slightly acid loamy soils	Freely draining	Low	part	no	Yes
20b	Core Longbridge 2	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	no	No
20c	Core Longbridge 2 - Developed	Northfield	River Rea	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	part	part	No

Site Reference	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
23a	Garrett's Green	Yardley	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
23c	Garretts Green	Hodge Hill	River Cole	Loamy soils with naturally high groundwater	Naturally wet	Low	no	part	No
42a	Minworth Industrial Park	Sutton Coldfield	River Tame	Freely draining slightly acid loamy soils	Freely draining	Low	no	part	Yes
49 + 50	Mainstream and surrounds + Blubesberry	Ladywood	River Rea	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	part	part	No
52a	Windsor Industrial Area	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
52b	Aston Goss	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
54a	Corporation Street Area	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
54b	Phillips Street Area	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
68a		Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No

Figure L.3 - Core Employment Areas SUDS Suitability Table

Site Reference	Development Type	Address	Constituency	Major Catchment	Soil Type	Drainage Ranking	Fertility	Major Aquifer	Minor Aquifer	May be Suitable for Infiltration Techniques
LC4A	Local Centres	Newtown Shopping Centre	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
LC1	Local Centres	Perry Barr/Birchfield	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
LC3	Local Centres	Witton Road	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
LC2	Local Centres	Villa Road	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
LC6	Local Centres	Aston	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
LC2	Local Centres	Lozells Road	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
LC5	Local Centres	Wheeler Street	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
LC2A	Opportunity Sites for Local Centres	Lozells Road	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
LC2B	Opportunity Sites for Local Centres	Villa Road	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
ED3	Education	Broadway School Annex	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
ED2	Education	Holte, Mayfield and Lozells School	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
ED3	Education	Broadway School & Sixth Form College	Ladywood	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
ED1	Education	Birmingham City University	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
5	Housing Site	Broadway School Annex and Fire Station	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
6	Housing Site	George's Park	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
7	Housing Site	Radnor Road	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
HDP2	Housing Site	Wills Street / Overmoor Close	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
10	Housing Site	Nursery Road / Church Street	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
11	Housing Site	Tame Road	Perry Barr	River Tame	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	yes	no	No
HDP1A	Housing Site	Wheeler Street adjoining Holte School	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
HDP1B	Housing Site	Wheeler Street adjoining Holte School	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
1	Housing Site	Corner of Johnstone Street and Birchfield Road	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
x	Housing Site	Malthouse Gardens	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
15	Housing Site	Land rear of Anglsej Street/Burberry Street/Nursery Road	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
14	Housing Site	Naden Road	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
3	Housing Site	Former Siemens Site	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
HDP3	Housing Site	North Newtown	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
LC1FA	Housing Site	Burton Wood Drive / Bridgelands Way	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
LC1FB	Housing Site	Burton Wood Drive/ Bridgelands Way	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
17	Housing Site	Carpenters Road	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
12	Housing Site	Lozells Street	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
18	Housing Site	Wretham Road / Soho Hill	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
16	Housing Site	Roland Road	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
MU1A	Mixed Use	New John Street West	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
MU1B	Mixed Use	New John Street West	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
MU2	Mixed Use	Churchill Parade	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
LC3	Mixed Use	Witton Road	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
LC4B	Mixed Use	Newbury Road	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
MU1	Mixed Use	New John Street West	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
LC1F	Mixed Use	Burton Wood Drive/Bridgelands	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
MU3	Mixed Use	Victoria Road/Park Circus	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
MU4	Mixed Use	Westwood Road / Dulverton Road	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
MU5	Mixed Use	Former Clyde Tower	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
LC2A	Mixed Use	Villa Cross	Perry Barr	River Tame	Slowly permeable seasonally wet slightly acid but base-rich loamy and clayey soils	Impeded drainage	Moderate	yes	no	No
LC1C	Mixed Use	Crown and Cushion Public House	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
IRB	Industrial Regeneration	Brookvale Road	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
IRB	Industrial Regeneration	Tame Road	Perry Barr	River Tame	Loamy and clayey floodplain soils with naturally high groundwater	Naturally wet	Moderate	yes	no	No
IRA	Industrial Regeneration	Newtown Row	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
R1-R6	Regional Investment Site	Aston Hall Road/PrioryRoad/Queens Road	Ladywood	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No
H6 & H7	Housing Regeneration	Newtown & Lozells	Perry Barr	River Tame	Loamy soils with naturally high groundwater	Naturally wet	Low	yes	no	No

Figure L.4 - Aston, Lozells & Newtown AAP Sites SUDS Suitability Table