

Appendix E – Summary of flood risk in Blaby District

The table below summarises the areas where there are notable flood risks within the district.

Area	Fluvial flood risk	Existing defences	Surface water flood risk	Susceptibility to Groundwater flood risk				Reservoir inundation risks	Historic, recorded flood events
				<25%	>=25% <50%	>=50% <75%	>=75%		
The North (Glenfield, Kirby Muxloe, Leicester Forest East)	<p>An unnamed watercourse originates around the south-west of Kirby Muxloe and flows north-east into Rothley Brook. Rothley Brook is generally confined to a narrow floodplain other than Flood Zones 2 and 3 encroaching on to Station Road and the area around Spencer Close in Glenfield.</p> <p>Rothley Brook enters Blaby District in the north-west and flows west along the district boundary before flowing under the A46 where it flows along the north-east side of Glenfield. Flood Zones 2 and 3 are generally confined to a narrow floodplain. Properties around the area of Kirby Road, Main Street and Station Road are affected by Flood Zones 2 and 3. West Street in Glenfield has greater coverage from Flood Zones 2 and 3 due to its proximity to the Brook.</p> <p>On the northern district boundary, Flood Zones 2 and 3 cover the A46 which extends from the Rothley Brook and an unnamed watercourse from the west.</p>	None	<p>In the 30-year (high-risk) event, a surface water flow path originates south-west of Kirby Muxloe, following an unnamed watercourse. It flows north-east through the village, affecting properties on Wentworth Green and accumulates around Primrose Way in the north-west of the village.</p> <p>South-west of Glenfield, a surface water flow path originates following the Rothley Brook. There are several surface water flow paths through Glenfield, from high ground around the Frith Close area, flowing down roads and through residential gardens to meet the Rothley Brook. The 30-year event affects a few properties on the north-west edge of Glenfield in the area of Kirby Road, Main Street and Station Road. It is worth noting that in the 100-year event (medium-risk), significantly more properties are affected that are just outside the extent of the 30-year event.</p> <p>Risk is lower at Leicester Forest East, where the main flow paths follow housing estate roads to meet areas of lower topography, such as drains, the railway line or the M1.</p>	✓	✓	✓		<p>Flood warning information service (GOV.UK):</p> <ul style="list-style-type: none"> Thornton Reservoir (outside of Blaby District) – Inundation pathway flows north-east into the borough on the north-western boundary. Affecting rural the M1, A46 and parts of eastern and north-eastern areas in Glenfield. <p>Of the records held by Leicestershire Fire and Rescue service since 2009:</p> <p>Three incidents involved flooding:</p> <ul style="list-style-type: none"> 2012 – Desford Lane 2015 – Fishponds Close, Leicester 2017 – Kirby Road, Glenfield <p>Two incidents involved rescue/evacuation from water:</p> <ul style="list-style-type: none"> 2012 – Desford Lane 2013 – Desford Road, Leicester <p>Historic flooding incidents held by Leicestershire County Council (LLFA):</p> <ul style="list-style-type: none"> 28/06/2012 - Bignal Drive, Leicester Forest East. – Culverted watercourse and surface-water flooded garden. 27/07/2013 - Hinckley Road, Leicester Forest East – Internal property flooded due to highway drainage capacity issues. 20/01/2015 - Gynsill Lane, Glenfield – Highway flooding due to surface water run off. 17/09/2015 - Holmfield Avnue West, Leicester Forest East – Potential groundwater flooding. 09/03/2016 – Kirby Road, Glenfield – Highway flooding 09/03/2016 – Kirby Muxloe – Gardens flooded. 01/01/2016 – Park Drive, Leicester Forest East – Internal property form groundwater. 12/08/2016 - Hinckley Road, Leicester Forest East – Driveway from highway drainage. 01/04/2017 – Pennant Close, Glenfield – Internal and external flooding. 27/02/2018 – Clovelly Road, Glenfield – Ditch infilled caused garden flooding. 	

<p>Rural West and South West (Thurlaston, Huncote, Croft, Sapcote, Stoney Stanton, Sharnford)</p>	<p>The Soar Brook enters the district east of Sharnford and subsequently flows east through the village. A number of properties and roads are affected by Flood Zones 2 and 3 in the area around the junction of Aston Lane and the Coventry Road. The River Soar enters the district in the south-west, flowing north-east and through Croft. The Soar's Flood Zones 2 and 3 are mostly confined to the floodplain through Croft, affecting a small number of properties in the north of Croft. The prominent risk in Croft is posed by an unnamed watercourse flowing north-east past the eastern side of Croft. Some properties along Windermere Drive, Bala Road, Arbor Road and Winston Avenue are at risk from Flood Zones 2 and 3. South-east of Croft, the B4114 is also at risk from this watercourse. The Thurlaston Brook enters the district west of Huncote and flows north-east then south-east past Huncote. Several properties off Croft Hill Road are located within close proximity to the watercourse; these are at high risk from Flood Zones 2 and 3. Between Croft, Huncote and Littlethorpe, it is worth noting that there is a 'loop' in the Flood Zones around Flash Farm, straddled by the railway and Coventry Road. This is where the River Soar floodplain is low and wide and other unnamed drains commence around Fulmore Farm, so there is floodplain interaction between these watercourses.</p>	<p>There are a number of properties in Croft on Dovecote Road and The Green benefiting from a flood defence.</p>	<p>A significant flow path exists through Sharnford in the 30-year event, originating west of Sharnford following the Soar Brook. Aston Road and Coventry Road are the most heavily affected by the flow path, with properties around Sharnbrook Gardens being at highest risk.</p> <p>In Stoney Stanton, a flow path originates off Station Road and flows into a lake in the west of the village. From the lake, the flow path accumulates and affects properties around the Fox Bank industrial estate. The flooded area is considerably greater under the 1,000-year event.</p> <p>West of Sapcote a surface water flow path flows towards the north-west of the village, affecting properties on Spa Drive, Lound Road and Brookside Close. This pathway then flows north-east towards the south-east of Stoney Stanton, affecting properties on Lanes Hill Grove before accumulating next to Broughton Road with some inundation of the road in the 30-year event. Risk is low in Thurlaston and Huncote, largely confined to the watercourses or roads. Croft itself is low risk, but it is surrounded by numerous flow paths following watercourses. The Coventry Road forms several impoundments of surface water to the east.</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>Flood warning information service (GOV.UK):</p> <ul style="list-style-type: none"> Mallory Park Large Lake Reservoir (Outside of Blaby District) – Inundation pathway flows west into the district on the western boundary. Affecting several rural roads such as Earl Shilton Road, Watery Gate Lane and the M69. It eventually flows into the path of the River Soar where it is contained to the floodplain affecting no property. 	<p>Of the records held by Leicestershire Fire and Rescue service since 2009: Three incidents involved rescue/evacuation from water:</p> <ul style="list-style-type: none"> 2016 – Watery Gate Lane, Thurlaston. 2016 – Watery Gate Lane, Thurlaston. 2019 – Station Road, Stoney Stanton. <p>Two incidents involved flooding:</p> <ul style="list-style-type: none"> 2012 – Croft Road, near Thurlaston. 2012 – Mainstreet, Thurlaston. <p>Historic flood mapping held by Blaby District Council:</p> <ul style="list-style-type: none"> River Soar at Croft – Several properties affected on Dovecote Road and The Green. An unnamed watercourse flowing north-east past the east of Croft – affected properties on Windermere Drive, Bala Road and Arbor Road. <p>S19 Reports held by the Leicestershire County Council (LLFA):</p> <ul style="list-style-type: none"> October 2019 - Godfrey Close, Stoney Stanton, 01/10/2019 <p>Historic flooding incidents held by Leicestershire County Council (LLFA):</p> <ul style="list-style-type: none"> 25/11/2012 – Coventry Road, Sharnford – Main River causing internal flooding during intense rainfall. 04/01/2014 – Desford Road, Thurlaston – Highway flooding from collapsed pipe. 27/02/2015 – Smithy Lane, Aston Flamville – Highway flooding from surfacewater flooding from adjacent land (traveller site). 09/03/2016 – Desford Road, Moat Close and Earl Shilton Road in Thurlaston – Highway flooding. 09/03/2016 – Coventry Road, Stoney Stanton – Highway flooding. 22/01/2018 – The Fleet, Stoney Stanton – External property flooding from groundwater / land drainage burst pipe. 27/02/2018 – Frolesworth Road, Sharnford – Water running across road Sharnford to Frolesworth. 27/04/2018 – Desford Road, Thurlaston – Highway flooded, possible culvert blocked beneath.
---	---	--	---	----------	----------	----------	----------	--	--

<p>Braunstone Town & Fosse Park</p>	<p>The River Soar flows north-east to the east of Fosse Park Fosse Park and Braunstone Town. Flood Zones 2 and 3 are both generally confined to the floodplain other than the area around Fosse Park Avenue and parts of the A563 which are in Flood Zones 2 and 3.</p> <p>The River Baim is a small tributary of the River Soar which originates just outside of the Blaby District boundary, flowing parallel to the boundary. Flood Zones 2 and 3, associated with the small tributary, affect a number of properties around Amy Street, Cyril Street, Gwencole Crescent and Colbert Drive in the east of Braunstone Town on the district boundary.</p> <p>The Lubbethorpe Brook flows south through the Braunstone Town & Fosse Park area, flowing east, to the west of Braunstone Town before flowing east and into the River Soar. A number of properties along Lubbethorpe Road are affected by Flood Zone 2 extending from the Brook. Properties west of Lubbethorpe Way are also affected by Flood Zones 2 and 3 from an unnamed watercourse which flows into the Lubbethorpe Brook.</p>	<p>None</p>	<p>A high-risk surface water flow path originates west of Junction 21 of the M1 and flows towards the Fosse Park Area where surface water accumulates around Meridian East, Meridian North, Meridian West and Meridian South. This accumulation affects a number of properties in the area in all 3 surface water events. This also flows past junction 21 of the M1 and may put trunk roads, such as the M69 and A5460 at high-risk. Risk In Braunstone Town is generally low, with small surface water flow paths funnelling down residential streets to pond in the lower topography around the floodplain of the River Biam. There is however higher risk in all events in the housing estate south of the Narborough Road South.</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>		<ul style="list-style-type: none"> 27/06/2018 – Leicester Road, Sharnford – Internal flooding, possible source: highway. <p>Of the records held by Leicestershire Fire and Rescue service since 2009: One incident involved rescue/evacuation from water:</p> <ul style="list-style-type: none"> 2012 – Lubbethorpe Bridle Way, Lubbethorpe. <p>Historic flood mapping held by Blaby District Council:</p> <ul style="list-style-type: none"> Lubbethorpe Brook at Fosse Park – affected three business properties and extended onto the A536 but mainly confined to the Osiers Nature area. <p>Historic flooding incidents held by Leicestershire County Council (LLFA):</p> <ul style="list-style-type: none"> 25/07/2012 – Hardie Crescent, Braunstone – Highway flooding due to ground topography and drainage capacity issues.
<p>Enderby, Narborough, & Cosby</p>	<p>The River Soar enters the district in the south-west flowing north-east. Here, it flows south of Narborough and north of Littlethorpe before flowing past eastern-Enderby. In the rural strip between Narborough and Littlethorpe, Flood Zones 2 and 3 are generally confined to the narrow floodplain, but closely follow the boundary of residential areas, with roads and properties affected along Riverside Way in Littlethorpe. The Flood Zones also affect a few properties on the eastern end of Enderby where houses are located closely to the floodplain. Blaby Road is also at risk of inundation in Flood Zone 2.</p> <p>An unnamed watercourse flowing north through Cosby poses a fluvial flood risk in several areas through the Cosby. Flood Zones 2 and 3 pose risk to a number of properties and roads around The Nook, along Main Street, Park Road and White Barn Drive. The northern end of Main Street and Park Road are in Flood Zones 2 and 3. This watercourse then flows north towards Littlethorpe where Flood Zones 2 and 3 extend across a wide floodplain.</p>	<p>There is a property on Chapel Lane, Cosby benefiting from a flood wall along an unnamed watercourse flowing through Cosby.</p>	<p>There is a high-risk (30-year) flow path in the centre of Cosby, originating south of the village which flows along The Nook and Main Street and into an unnamed watercourse. Properties on Chapel Lane and Burley Close are at risk from this flow path.</p> <p>In the 30-year event there are areas of surface water ponding causing a high-risk to properties around Cutters Close, Narborough and another accumulation affecting properties around Southey Close, Enderby.</p> <p>Surface water risks become more prominent in the 100-year and 1,000-year events, and areas of ponding become larger.</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>		<p>Of the records held by Leicestershire Fire and Rescue service since 2009: One incident involved rescue/evacuation from water:</p> <ul style="list-style-type: none"> 2012 – Leicester Lane, Enderby. <p>Historic flood mapping held by Blaby District Council:</p> <ul style="list-style-type: none"> River Soar and unnamed watercourse between Little Thorpe and Narborough, and an unnamed tributary of the River Soar flowing through Cosby and past Little Thorpe – Fulmore Farm, Lodge Farm and Sycamore Way, Little Thorpe affected by this historic event. <p>Historic flooding incidents held by Leicestershire County Council (LLFA):</p> <ul style="list-style-type: none"> 10/08/2014 – Station Road, Narborough – Internal property flooding due to low level of the property (commercial). 09/03/2016 – Leicester Lane, Enderby – Highway flooding. 09/03/2016 – Park Road, Cosby – Highway flooded. 09/03/2016 – Walnut Leys, Cosby – Garden flooded.

<p>The South East, East of M1 (Glen Parva, Whetstone, Blaby, Countesthorpe, Kilby).</p>	<p>The River Sence enters the district in the south-east and flows west following the district boundary with Oadby and Wigston Borough. Flood Zones 2 and 3 are confined by the topography in the rural areas. However, Flood Zone 2 and 3 affect some properties in the west end of Kilby on an unnamed tributary of the River Sence. Properties along Mill Lane and at Crow Mills are also within Flood Zone 2 and 3 of the River Sence. Flood Zone 2 and 3 also affect many properties in northern Blaby, particularly roads off Leicester Road and Sycamore Street, with Flood Zone 2 also extending here over the A426 and the surrounding properties.</p> <p>The Whetstone Brook enters the district north of Willoughby Waterleys flowing north. Flood Zones 2 and 3 affect a number of properties through Whetstone, particularly on Elliot Close and properties around The Dicken.</p>	<p>There are properties benefitting from defences in Whetstone on Brook Street and Cambridge Road. Properties on Wright Close are also benefitting from defences.</p>	<p>A high-risk (30-year) surface water flow path originates south of Kilby, following the topography west of Kilby before converging with another flow path to then pond on the floodplain of the River Sence, next to the A5199.</p> <p>Two flow paths converge south-west of Countesthorpe forming a high-risk flow towards Whetstone which flows over Foston Road and accumulates next to the A426. This surface water flow path continues into Whetstone, affecting properties around Elliot Close before flowing into Whetstone Brook.</p> <p>Originating in Countesthorpe, a surface water flow path flows north towards Blaby, over Hospital Lane, along Sycamore Street and accumulates around properties in the south of the A426, in the north of Blaby. The extent of the 1,000-year event is much greater in this area, which could mean that surface water flood risk is more sensitive to changes in rainfall intensity due to climate change.</p> <p>More overland flow routes become prominent in the 100-year and 1,000-year events, and areas of ponding become larger.</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>		<p>Of the records held by Leicestershire Fire and Rescue service since 2009: Two incidents involved rescue/evacuation from water:</p> <ul style="list-style-type: none"> • 2012 – Countesthorpe Road, Wigston. • 2013 – Little Glen Road, Leicester. <p>Records of breaches & overtoppings held by the Canal & River Trust: One incident involved waterlogging of canal towpath:</p> <ul style="list-style-type: none"> • 2014 - Between Gee’s and Blue Banks bridges, Grand Union Canal, Leicester. Waterlogging of canal towpath, possible result of blockage of Bye Weir at Blue Banks Lock. <p>Historic flood mapping held by Blaby District Council:</p> <ul style="list-style-type: none"> • River Sence and tributaries from Wistow to Blaby - affecting a number of properties down the catchment. Notably in the Mill Lane area, Blaby/ Glen Parva. • Whetstone Brook in Whetstone – affecting properties around The Dicken and Brook Street. <p>Historic flooding incidents held by Leicestershire County Council (LLFA):</p> <ul style="list-style-type: none"> • 09/03/2016 – Heybrook Avenue, Blaby – Highway flooding. • 09/03/2016 – Mill Lane, Blaby – Minor highway flooded, concern over condition of ditches. • 09/03/2016 – Countesthorpe Road, Blaby / Wigston – Highway flooded due to river overtopping. • 16/06/2016 – West View Avenue, Glen Parva – Near property flooding. • 27/08/2016 – Little Glen Road, Glen Parva – Flooding under railway bridge. • 27/08/2016 – Rosebank Road, Countesthorpe – Drains blocked. • 2016 – Main Street, Kilby – Property flooding from highway runoff. • 06/04/2018 – Hospital Road, Countesthorpe – Highway flooding preventing access, 1 recorded RTC and numerous close calls.
---	---	---	---	----------	----------	----------	----------	--	---