

## Flood Resilience Analysis

### Introduction:

The following list has been compiled as a desk top exercise, with reference to EA Flood Zones Maps, and where applicable, local knowledge. No reference has yet been made to any of the utility companies.

The list is purely furnished for guidance purposes, to provide an initial focus on potentially vulnerable locations within Redditch Borough Council's administrative area. Address details highlighted in [blue and underlined](#) are not known to have flooded. Those in **bold text** are locations which can become marooned and isolated from the general highways network.

### Astwood Bank

<b>Astwood Lane (Mutton Hall)</b>	Worcestershire CC	Public Highway Residential
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### Batchley

Salter's Lane <a href="#">(200 &amp; 202)</a>	Worcestershire CC	Public Highway
Rosedale Close <a href="#">(41 – 44)</a>	S38	Unadopted Highway
Beech Tree Close (1 – 28)	Worcestershire CC	Public Footpath
Oak Tree Avenue <a href="#">(1 – 4 &amp; 12 – 19)</a>	Worcestershire CC	Public Highway

### Bordesley

A441	Worcestershire CC	Public Highway
B4101 Dagnell End Road <b>(The Dingle, Beoley Poultry Farm, The Bungalow, Rose Barn &amp; Dagnell End Farm)</b>	Worcestershire CC	Public Highway

### Elcocks Brook

Norgrove Lane <b>(The Mill House &amp; <a href="#">Norgrove Court</a>)</b>	Worcestershire CC	Public Highway Residential
Sillins Lane	Worcestershire CC	Public Highway

### Feckenham

<b>Priest Bridge WRW Beanhall Mill Farm</b>	Severn Trent Water Ltd	Sewage Treatment Works Business/Residential
B4090 Droitwich Road <b>(25, 27 &amp; Weavers Barn)</b>	Worcestershire CC	Public Highway Residential
<i>B4090 Salt Way</i>	<i>Worcestershire CC</i>	<i>Public Highway</i>
<i>Feckenham Sub-station</i>	<i>National Grid</i>	<i>Electricity Supply</i>

Mill Lane <a href="#">(9, 11, Old Mill House &amp; Pavilion)</a>		Residential
Astwood Lane <b>(9, 11, 12, 13, 14, 15, 17, 19, Barratt's of Feckenham &amp; Rock Hill Farm)</b> <i>Astwood Lane</i>	<b>(Incl. Prop. Housing)</b>	Business/Residential <i>Business/Residential</i>
Swansbrook Lane	Worcestershire CC	Public Highway
<b>Feckenham First School</b> <b>(Emanjays, Foxley Farm, Richardson's Yard &amp; Holly Cottage)</b>	Worcestershire CC	State Education

#### Ham Green/Callow Hill

Brookhouse Lane	Worcestershire CC	Public Highway
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#### Hunt End

Blaze Lane <a href="#">(Old Yarr)</a>	Worcestershire CC	Public Highway Residential
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#### **Other Comments**

The Flood Zone Maps also indicates extensive areas of flooding which are not substantiated by records and anecdotal evidence. I would comment as follows: -

#### BATCHLEY

##### Batchley Road

This is believed to be due to surface flooding arising from flooding upstream, which is unable to return to Batchley Brook. The properties, including Batchley Shops (residential above) nearest to Batchley Pools are likely to be the most susceptible. Generally, dwellings are considerably higher in relation to Batchley Brook.

##### Bridley Moor Road/Hewell Road

This may be due to surface flooding arising from flooding upstream. Generally, dwellings are considerably higher in relation to Batchley Brook.

##### Pulman Close

This is believed to be due to surface flooding arising from flooding upstream. Generally, dwellings are considerably higher in relation to Batchley Brook. Further reports confirm this to be due to natural run-off from adjacent green areas.

##### Salter's Lane

The balancing areas shown on the Flood Zones Maps are too extensive. They are shown as one as opposed to two (Ponds B & C). Pond A, rear of Windsor Road is not shown, but this is strictly speaking an appurtenance to the surface water sewerage system as opposed to a pure, land drainage feature.

## CHURCH HILL

### Church Hill Brook

There are only minor problems affecting Exhall Close and Arley Close and these would be immediately adjacent to the river corridor.

## Enfield

### Windsor Road

Flooding is indicated on either side. This is erroneous. Land on the south side is particularly at a considerably higher elevation. On the north side, there is limited evidence of flooding caused by the Red Ditch which is at a higher elevation than either Windsor Road or Batchley Brook into which it ultimately drains. There remains a moderate risk that the highway can become surcharged which could cause some flooding problems.

The area immediately to the west of the Redditch to Birmingham Railway Line is not susceptible to flooding – no reports on 20/07/07.

### Middlehouse Lane/Birmingham Road

The area immediately to the east of the Redditch to Birmingham Railway Line is not susceptible to flooding – no reports on 20/07/07. Previously, there were problems with respect to highway drainage and/or public surface water sewers. Both STW and WCC have carried out works which on the basis of the 20/07/07 event have significantly improved the situation. No reports from Birmingham Road, Middlehouse Lane is now only affected to a minor extent and at reduced frequencies.

## LAKESIDE

### Marlfield Lane/Proctors Barn Lane

This area, immediately to the south of Coventry Highway (A4023) is not believed to be so extensively affected. It's possible that the course modelling failed to recognise the presence of this highway (elevated embankment) and the corresponding drainage rationalisation works that were carried out at the same time.

### River Arrow

The areas to the west of Holloway Drive near Arthur Street and Broadground Road are not known to be so susceptible to flooding. I suspect that levels have been raised as a part of the Meir Road development and hence are not believed susceptible either.

### Arrow Valley Park/Blacksoils Brook

The Arrow Valley Lake is not susceptible to flooding (although levels would react under adverse conditions), nor is the parallel reach of the Blacksoils Brook. The levels which dictate any effects from the River Arrow's confluence with the Brook is

approximately 170m downstream of two weirs. Therefore any 'parallel' effects on the Arrow upstream would not have any influence on these.

Stitch Meadow is believed to be vulnerable to water logging – not flooding.

### MOONS MOAT

Blacksoils Brook

The industrial areas east of Winyates Way (north & south of Coventry Highway) are not known to flood with the exception of one property off Oxleasow Road. This may be due to surface drainage problems.

Similarly, the Padgetts Lane Industrial Estate is not known to be susceptible to flooding.

### MATCHBOROUGH WEST

Ipsley Brook

Areas of possible flooding at Merevale Road, Ashorne Close, Brinklow Close and Washford Industrial Estate are not known to be as vulnerable as is suggested.