

Preliminary flood risk assessment: Herefordshire County Council

This addendum by Herefordshire County Council (2017) updates the council's preliminary flood risk assessment report published in 2011. Read the addendum in conjunction with the [preliminary assessment report](#).

Addendum

The preliminary flood risk assessment (PFRA) and flood risk areas (FRAs) for Herefordshire County Council were reviewed during 2017, using all relevant current flood risk data and information.

There are no changes to the assessment of risk since the preliminary assessment report was published in 2011.

Past flood risk

We consider that a retrospective review of flood sites should be conducted to inform additional section 19¹ investigations.

Summary: our understanding of flooding due to flood events since 2011 has not changed.

Future flood risk

The review involved contrasting flood extents to determine how refinements to the model had led to an increased understanding of flood risk. The review indicated that flow rates in the Yazor Brook culvert south of Eign Street had not increase. On the Widemarsh Brook there was increased flooding within the city. Upstream lengths of the Yazor Brook were less prone to flooding. We therefore conclude that there has been a marginal increase in properties identified at risk of flooding within Hereford city.

Modelling at Lea, Eardisley and Hope under Dinmore has refined our understanding of the flooding mechanisms and affected receptors.

The Local Flood Risk Management Strategy included an exercise to prepare GIS and tabular mapped outputs that 'count' numbers of properties at risk from known (historic) and predicted (modelled) fluvial and surface water flooding.

The 'properties predicted to be at risk of surface water flooding' study (for various return periods) has confirmed our original understanding of future flooding.

Total number of properties predicted to be at risk of surface water flooding in the 1 in 30 year return period - assessed per parish (Ref: Figure 05 Rev A).

Total number of properties predicted to be at risk of surface water flooding in the 1 in 30 year return period - assessed per km² (Ref: Figure 06 Rev A).
www.gov.uk/environment-agency

Total number of properties predicted to be at risk of surface water flooding in the 1 in 100 year return period - assessed per parish (Ref: Figure 07 Rev A).

¹ An investigation into a flooding event that a lead local flood authority (LLFA) is required to carry out under Section 19 of the [Flood and Water Management Act 2010](#), and according [to the LLFA's local flood risk management strategy](#)

Total number of properties predicted to be at risk of surface water flooding in the 1 in 100 year return period - assessed per km² (Ref: Figure 08 Rev A).

Flood risk areas (FRAs)

There have been no indicative FRAs identified for Herefordshire.

Other changes

Amey Herefordshire has become Balfour Beatty Herefordshire (as of August 2013)
The Local Flood Risk Management Strategy (LFRMS) was updated in April 2017

Updates to the following paragraphs:

1.3 Study Area

The following paragraph contains updated figures in regards to Herefordshire's population:

The county as a whole has a total land area of approximately 2,183km², and has an estimated population of 188,100 people (mid-2015). The population density is very low at approx. 86 people per km². According to the Office for National Statistics, this is the 3rd lowest population density found throughout England. Hereford City is the main economic hub of the county; it is the centre for education, health, shopping, employment and population with just under one third of all residences concentrated here. The historic market towns of Leominster, Ledbury, Ross, Bromyard and Kington follow Hereford City in size and between them account for around one fifth of the population. The remaining 50% of people reside in smaller towns, villages and hamlets, as well as in isolated dwellings and farms throughout the county.

2.2 Communication

Separate meetings are held with the EA, Water Companies and Inland Drainage Boards to address flood risk issues. Regular dialogue occurs between the respective Risk Management Authorities between these meetings.

Improvements are proposed to the Herefordshire Council website to make the on-line flood event reporting easier to find more user friendly. Entries on the Confirm database will also be improved to facilitate data capture when residents report flooding by telephone.

Table 3.1 Herefordshire Council Flood Incident Pro-Forma

The 'Flood Incident Reporting Pro-Forma' has been updated to request the additional following information:

"Description of event"

"Previous flooding episodes"

"Were any roads closed?"

Other

In 2016, the Wormbrook and Allensmore Brooks were de-mained and the Lugg Internal Drainage Board took responsibility for maintenance. Approval was given by Herefordshire Council and Natural England.

**Herefordshire County Council
December 2017**