

Preliminary flood risk assessment: Coventry City Council

This addendum by Coventry City 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 Coventry City Council were reviewed during 2017, using all relevant current flood risk data and information.

Changes to the assessment of risk since the preliminary assessment report was published in 2011 are described in the statements in this addendum.

Past flood risk

Since publication of the 2011 PFRA, there have been many localised surface water flooding events. None of these events have reached our threshold of 200 affected properties for a subsequent investigation under Section 19¹ of the Flood and Water Management Act 2010. Whilst each known flood event is investigated to understand the causes, it is not within the scope of this publication to detail those here, as the impacts are generally low.

Future flood risk

Our exposure to surface water flood risk within Coventry is determined by constant changes to the built and natural environment. Our understanding of this risk is a dynamic process influenced by our hydraulic models, historic flood events and forecasts of future climate change.

The Environment Agency produced their current Risk of Flooding from Surface Water (RoFSW) map in 2016. This map is used by Coventry City Council to assess the flood risk associated with new development and to direct new development away from the areas of highest risk.

The Environment Agency produced their current guidance on climate change allowances for the assessment of flood risk in 2016. This guidance is based upon projections derived from UKCP09. Coventry City Council applies climate change allowances when reviewing planning applications for new development to ensure future resilience within the city.

The Coventry Local Plan is scheduled for publication in 2017 which sets out the city's vision for future growth and development. Areas of proposed development will bring with them new challenges for managing surface water flood risk. Any new development will be subject to compliance to national and local standards, supported by Coventry's current Local Flood Risk Management Strategy, Strategic Flood Risk Assessment, Surface Water Management Plan and Water Cycle Study (see below).

Coventry Local Flood Risk Management Strategy:

http://www.coventry.gov.uk/download/downloads/id/19379/coventry_local_flood_risk_management_strategy.pdf

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

Coventry City Council Level 1 and 2 Strategic Flood Risk Assessment:
http://www.coventry.gov.uk/download/downloads/id/20937/lp96_coventry_sfra_final_report_2015.pdf

Coventry Surface Water Management Plan:
http://www.coventry.gov.uk/download/downloads/id/19458/coventry_surface_water_management_plan.pdf

Coventry Water Cycle Study:
http://www.coventry.gov.uk/download/downloads/id/20048/aap67_coventry_water_cycle_study_final_report_november_2015.pdf

Flood risk areas (FRAs)

- **Coventry**

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A method to identify FRAs based on the current RoFSW maps and population density has been used for the purposes of the Flood Risk Regulations (2009) second planning cycle. This method has identified a large swathe of Coventry as a FRA and includes over 140,000 addresses within the city. The localised surface water flood risk varies significantly across the FRA and therefore multiple sources of data should be used when identifying areas for more detailed study and hydraulic analysis.

**Coventry City Council
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