

Preliminary flood risk assessment: Liverpool City Council

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

Past flood risk

24th September 2012 (Egremont Lawn and Winster Drive)

Future flood risk

No known future flood risks from local sources

Flood risk areas (FRAs)

The following FRAs have been identified for the purposes of the Flood Risk Regulations (2009) 2nd planning cycle:

- Liverpool area

Other changes

Based on figures from the Environment Agency and included within Liverpool's PFRA, approximately 20,100 properties in Liverpool were estimated to be at risk from flooding with intermediate susceptibility to a depth of 0.3 to 0.5m deep during a rainfall event with a 1 in 200 annual chance of occurring. This data is based on Areas Susceptible to Surface water flooding mapping and is included within Liverpool's Preliminary Flood Risk Assessment.

In order to fully understand where the 20,100 properties at risk of surface water flooding are located, Liverpool City Council submitted a successful bid for Flood Defence Grant in Aid funding to undertake a joint hydraulic modelling project. This work was jointly undertaken between Liverpool City Council, United Utilities and the Environment Agency and has further increased our knowledge and understanding of surface water flood risk in Liverpool. The approach taken was 'risk based' and consistent with the guidance provided by Defra for Surface Water Management Plans and Ofwat/Environment Agency for Drainage Strategies.

Following this work the number of properties at risk of flooding for a 1 in 100 year return period has been reduced since the initial findings in the PFRA and are as follows:-

Revised numbers of properties at risk of flooding following integrated modelling work.

Property Threshold Value (depth of flooding before it can enter a property)	Number of Properties at Risk of Flooding (1 in 100year return period)
0.2m	382
0.1m	1,295
0.05m	2,941
0.025m	5,382
0m	14,430

Using a property threshold value of 100mm the number of properties at risk of flooding for a 1 in 100 year return period (a 1% chance of occurring in a year) within the Liverpool City

Council area was 1,295. A total of 14,430 properties are at risk of flooding if property level thresholds are not taken into account.

Liverpool City Council
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