

Preliminary flood risk assessment: London Borough of Bexley

This addendum by London Borough of Bexley (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 London Borough of Bexley were reviewed during 2017, using all relevant current flood risk data and information.

Past flood risk

Our understanding of significant flood risk has improved following large rainfall events in 2013/14 and 2016 causing both fluvial and surface water flooding. In several cases the interaction between these sources of flooding was key. These events helped to identify both new areas where flooding may happen and also validate models completed for the borough as a whole. Detailed flood models were created and have established the interactions between surface water and fluvial flooding in specific locations. They show a significant risk of flooding due to the complex interactions. Measures are being taken to reduce this risk of flooding. The risk is significant due to the interaction of the local topography, potential frequency and the mix of water sources.

Flood questionnaires have helped to validate current flood modelling for the borough as a whole and in some cases flood risk appears to be less significant based upon modelling.

Future flood risk

Our understanding of flood risk in the LLFA has improved with the completion of integrated (surface and fluvial) flood models which incorporate drainage runs therefore more closely resembling actual flow paths through urban catchments. Several flood investigations for the Wyncham Stream and the River Cray have been completed to understand the impacts of different flood reduction schemes. Models have included climate change. Looking into the future as schemes are implemented or not, detailed modelled outputs are now available at a higher detail resolution than before.

Flood risk areas (FRAs)

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

- Greater London.

Other changes

None

**London Borough of Bexley
December 2017**