

Preliminary flood risk assessment: London Borough of Islington

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

Past flood risk

No significant flood events have been reported since the publication of the original PFRA in 2011 and thus the understanding of significant flood risk has not changed as a result of past floods.

Future flood risk

The Environment Agency Risk of Flooding from Surface Water Map has further refined understanding of the risk posed by surface water flooding. The mapping is replicated within the LFRMS. It is acknowledged that this mapping was carried out at a national scale and is therefore not appropriate for site-specific assessment; however it improves the Borough's understanding of key areas of surface water risk, including locations of flow paths. Detailed modelling is currently being undertaken for the Borough and when completed, in 2017, will provide improved understanding of surface water and combined (surface water and sewer) flood risk across the Borough.

The People Sensitivity map¹ provided by the Environment Agency to support this PFRA review provides a high level assessment of the potential change in flood risk as a result of more intense rainfall events. Whilst a specific climate change scenario has not been mapped, the 1 in 1000 year event has been used as a proxy for a 1 in 100 year event including a climate change allowance. The assessment (illustrated in Figure 1 accompanying this PFRA review) indicates that significant areas of the London Borough of Islington may experience increased surface water flood risk in the future as a result of climate change.

There is no change in the understanding of groundwater flood risk across the Borough since the publication of the original PFRA in 2011.

Flood risk areas (FRAs)

The following FRA has been identified for the purposes of the Flood Risk Regulations (2009) second planning cycle:

- Greater London – the London Borough of Islington is within this FRA

Other changes

The London Borough of Islington is an active participant in the Central London North Flood Risk Partnership, with Network Rail, London Underground, Canal and Rivers Trust, and neighbouring councils including City of London and the London Boroughs of Haringey, Hackney and Camden. Collaboration with these organisations is performed, as required, to

¹ Information provided by the Environment Agency to support LLFAs in the review of PFRAs in 2017

support flood studies and schemes or provide information, support and input on a project-by-project basis. The partnership further provides a forum for sharing of knowledge and data between members.

**London Borough of Islington
December 2017**

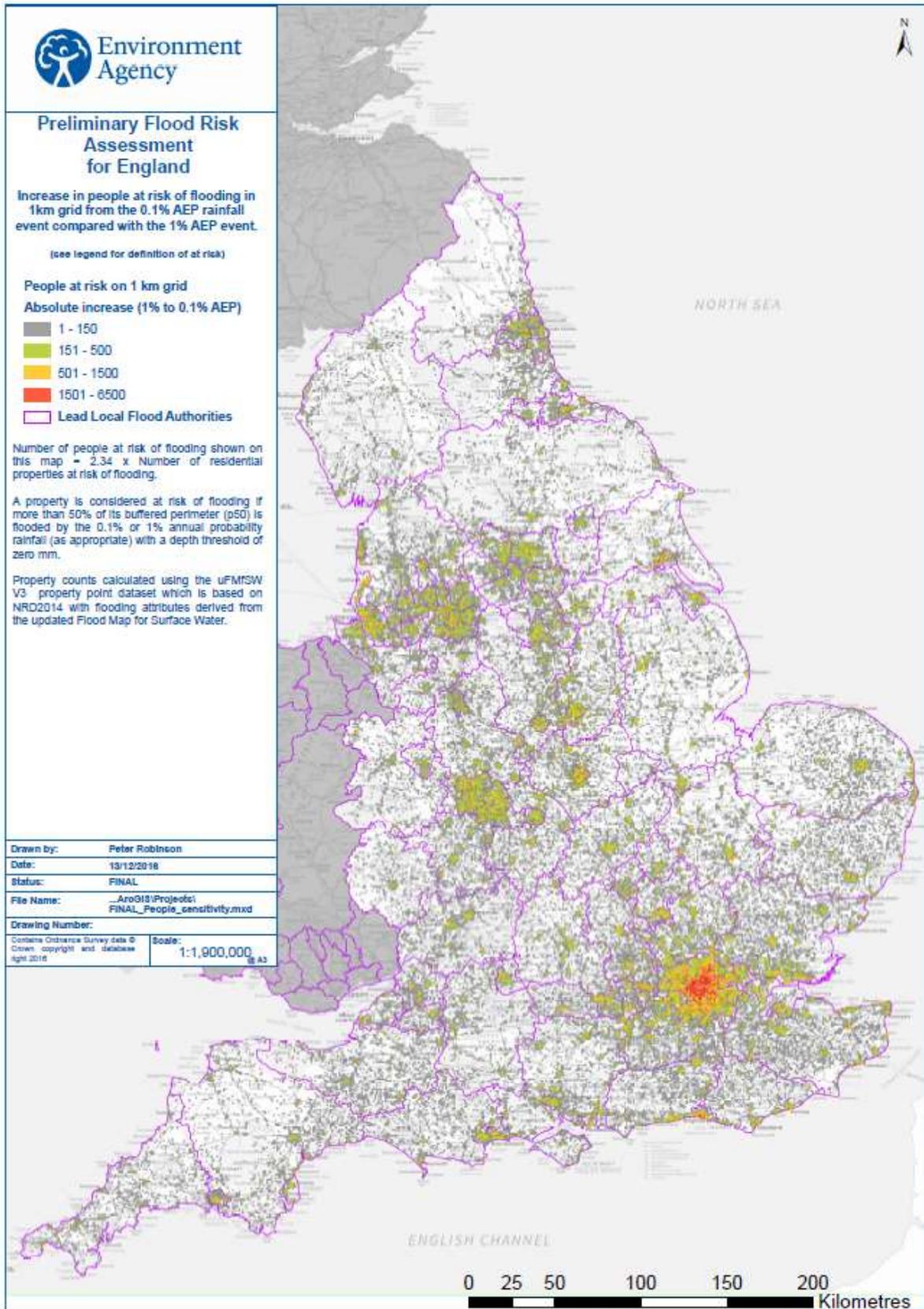


Figure 1 Increase in people at risk of flooding in 1km grid from 0.1%AEP rainfall event compared with the 1% rainfall event (the 'heatmap') source: Environment Agency 2017