

## **Preliminary flood risk assessment: London Borough of Newham**

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

There is no change to the assessment of risk following the review.

### **Past flood risk**

Two Section 19<sup>1</sup> investigations, carried out by Newham lead local flood authority (LLFA) in 2014 and 2016- 2017, concluded that local drainage infrastructure performance during the investigated flooding events has to be considered a major factor if observed discrepancy between predicted impact and actual impact for the events investigated is to be explained. The observed impact was significantly higher than the predicted under equivalent rainstorms scenarios.

The above coupled with reports of widespread sewer surcharges, would suggest that assumed local drainage capacity might be either overestimated in flood risk models or hindered in practice by additional factors during those events. Whether either or both factor should be deemed accountable for the observed higher than expected vulnerability of locations not predicted to flood even under more extreme weather events, is an aspect that requires a closer and more systematic review.

### **Future flood risk**

In terms of sensitivity analysis, newly available data, confirm the overall projected risk increase under climate change scenario.

### **Flood risk areas (FRAs)**

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

- Greater London

#### *Note on review of FRAs*

Newham LLFA's review of indicative flood risk area<sup>2</sup>, according to existing and newly available data, confirms the existing Indicative Flood Risk area and does not support creating new FRA(s).

Implications from past flood risk, while significant in term of relative vulnerability, do not identify additional areas as potentially exceeding the numerical threshold to qualify as FRA under applicable parameters.

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<sup>1</sup> 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](#)

<sup>2</sup> Indicative, or 'draft', FRAs were drawn up by the Environment Agency to support LLFAs in their review. Indicative FRAs were based on national data and subject to review by LLFAs against local data and knowledge

LLFA newly created information considers only specific portion of the borough, flood risk models areas do not always match in full the extent of existing flood risk areas; however, where they do overlap calculated flood risk sensitivity, the output do not significantly depart from the FRA values or identify higher values.

Where FRAs and newly created Flood risk models areas do not overlap, under 1 KM grid analysis, in spite of identified critical drainage issues, such areas do not meet the FRA threshold because of low population density.

**Other changes**

(N/A)

**London Borough of Newham  
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