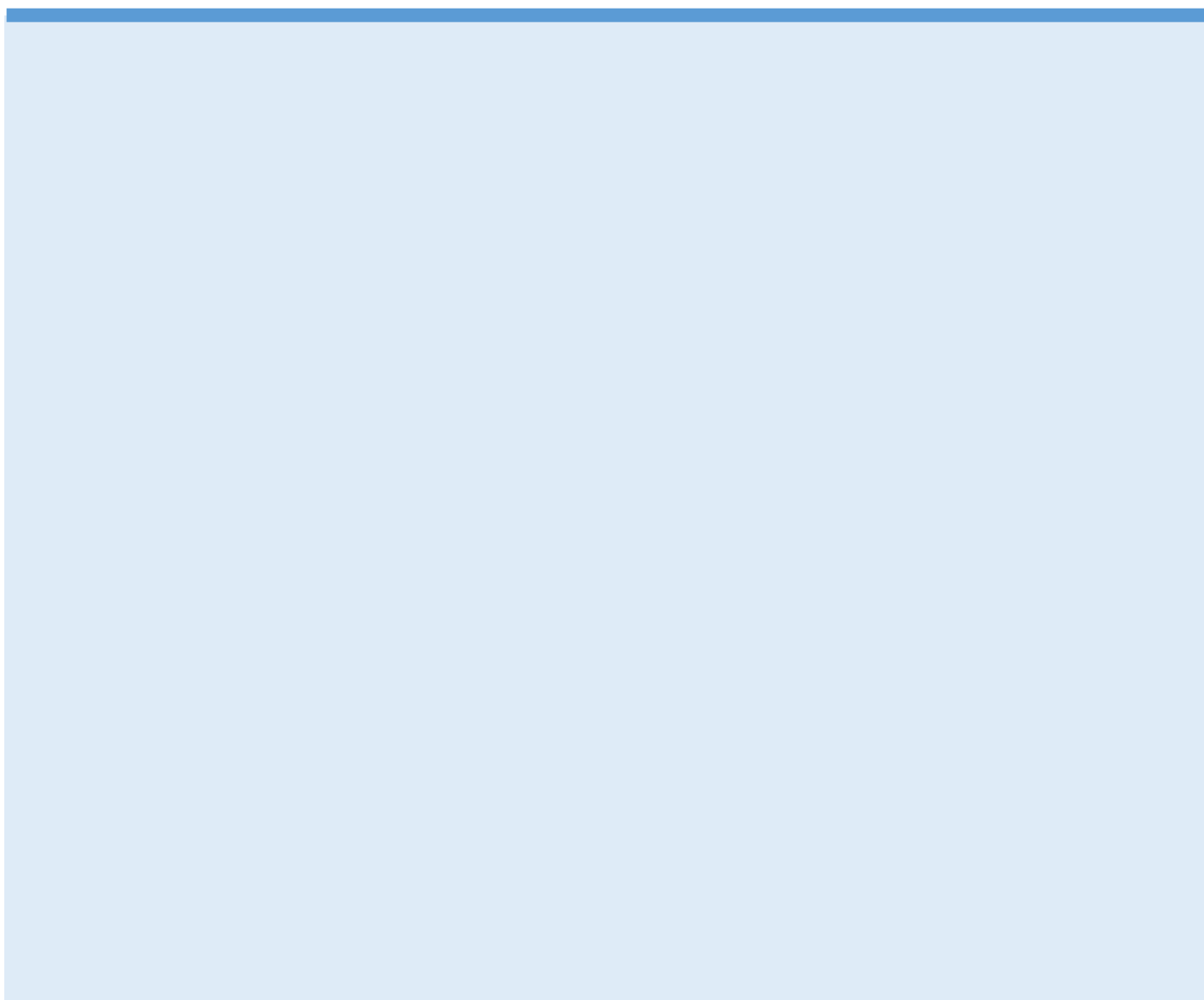


# ADDENDUM: Update to the Preliminary Flood Risk Assessment for Southampton

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June 2017



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## Introduction

The Preliminary Flood Risk Assessment (PFRA) and Flood Risk Areas (FRAs) for the Southampton City Council (the Lead Local Flood Authority) were reviewed during 2017, using all relevant current flood risk data and information, and agreed with the Environment Agency on 22 December 2017.

This document is the addendum update to the Preliminary Flood Risk Assessment Report for Southampton, initially published in June 2011. Changes to the assessment of risk since the preliminary assessment report was published in June 2011 are described in the statements of this addendum.

The annexes to the preliminary assessment report have been reviewed and updated to show relevant new information obtained since June 2011.

## Past Flood Risk

Historical flood records have been collated from sources including Southampton City Council, Southern Water and the Environment Agency. The original PFRA completed in 2011 identified 194 records of flooding, many with inaccuracies highlighting inconsistencies in data recording.

Since 2011, the method for recording flood incidents has vastly improved and there are now 2536 records held up until 01 April 2017, for all sources of flooding including local flood risk and incidents of tidal and Main River flooding. Whilst many of these flood records relate to minor highway flooding from blocked gullies, some relate to more locally significant events in which multiple roads or properties were flooded. Significant flood events are listed in more detail within Annex 1: Past Floods.

## Future Flood Risk

New information on surface water flood risk has been obtained from the Environment Agency, however this has not improved or increased our understanding of flood risk from this source. The surface water flood incidents experienced in August 2015 and June 2016 closely match the outlines on the surface water flood risk map.

Southampton City Council is currently working on a Surface Water Hotspot Study to improve the management of flood risk from surface water. When this study is complete, any new information will be fed into the next update of the Southampton Local Flood Risk Management Strategy. This study will be used to identify areas at greatest risk of surface water flooding and better target flood risk management resources.

## Flood Risk Areas (FRAs)

None of the Flood Risk Areas identified by the Environment Agency are within the administrative boundary of Southampton. The estimated potential consequences of future flood risk from local sources in Southampton do not exceed the identified significance criteria and the information gathered in the update of the PFRA has not shown any local factors which would justify a change to the national assessment.

Although no FRAs have been identified within Southampton, it must be noted that flood risk from local sources will continue to be managed through the Local Flood Risk Management Strategy.

## Other Changes

There have been no changes to the governance structure of Southampton City Council as a LLFA since the initial publication of the PFRA in 2011.

Since much of the data used in the 2011 PFRA is now out of date and has been replaced with new modelling or information, the mapping to accompany the PFRA has been updated. The following maps have been modified:

- Figure 4.1 Historic Flood Incidents – Figure 4.1 has been updated to contain all incidents of flooding reported since 2011. Flood records have been updated to include data from Southampton City Council to 01 April 2017 and Southern Water to November 2016.
- Figure 5.1 Flood Map for Surface Water – New surface water modelling was released by the Environment Agency in May 2016. Figure 5.1 has been updated to reflect this change and the areas identified to be at low, medium or high risk of surface water flood water.
- Figure 5.2 Areas Susceptible to Groundwater Flooding – The areas susceptible to groundwater flooding has been updated.
- Figure 6.1 Indicative Flood Risk Areas – Figure 6.1 has been updated to reflect the changes made to the indicative flood risk areas identified by the Environment Agency.

The amended figures within this document supersede the figures in the PFRA report published June 2011.

