

Ward specific action plan Fareham East

About the Ward					
Ward area (km²)	9.4	District	Fareham	Catchment	River Meon, River Wallington, Wallington
No. Residential properties	3294	No. other buildings	1264	Critical Infrastructure	111

About the Local Flood Risk			
Local Flood Risk defined in relative terms between wards using the relative rank of economic damages. Highest – top 5 wards, High -wards ranked 6 – 20, Moderate - wards ranked 20 to 50, Low – wards ranked less than 50, None – wards with no reported flooding			
Over all local flood risk	Highest	Economic Cost (£k)	153
Current local risk assessment		Potential local flood risk	
Groundwater	Highest	Environment Agency Surface Water Maps	Moderate
HCC incident database	None	Flood risk from other sources (rivers/sea)	Yes. South Fareham and Wallington are identified as 'Communities at Risk' of Fluvial and Tidal flooding by the Environment Agency

Summary
<p>Fareham East covers an area of 9.4 km² to the east of Fareham in the south of Hampshire. The area of Wallington lies to the south of the ward. Critical infrastructure within the ward include a telephone exchange, health centre, residential mental health and social care centres, a caravan/camping centre, primary school, water pumping stations and electricity sub stations</p> <p>Groundwater flooding was recorded in two areas in 2000/01. In Wallington at total of 65 properties were affected.</p> <p>Hampshire County Council has no recorded incidents of internal surface water flooding to properties in the ward. However the Environment Agency Flood Map for Surface Water indicates that surface water flooding could occur in central Wallington and further north within the ward. Historic records indicate that combined groundwater, surface water and fluvial flooding have affected around 40 properties in the centre of Wallington.</p> <p>The Environment Agency Flood Map indicates there is a risk of flooding from rivers or the sea through central Wallington and further north in the ward at similar locations to the potential surface water flooding. The M27 runs through the ward and this may be affected by river flooding between junction 10 and 11.</p> <p>Wallington is identified as a 'Community at Risk' of Fluvial and Tidal flooding by the Environment Agency. There are 116 properties at significant or moderate risk, and the community is ranked 25th highest risk in Hampshire.</p> <p>South Fareham is identified as a 'Community at Risk' of Tidal flooding by the Environment Agency. There are 78 properties at significant or moderate risk, and the community is ranked 34th highest risk in Hampshire.</p>

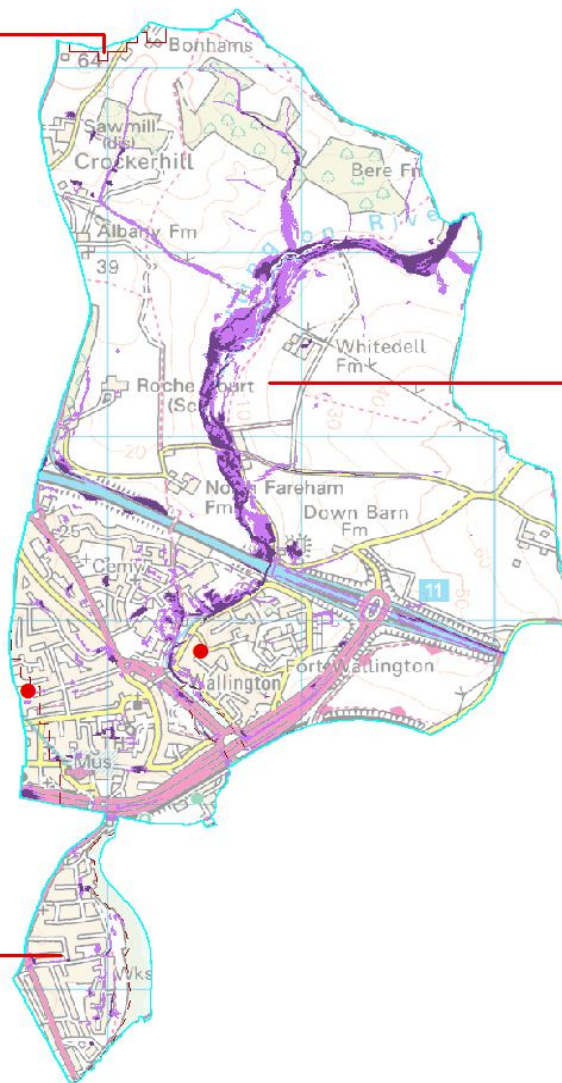
Current Risk
<p>Hampshire County Council has no records of internal surface water flooding within the ward.</p> <p>In 2000/2001 there were 2 reported incidents of groundwater flooding in Wallington with a total of 45 properties affected by ground floor flooding and 20 by external flooding.</p>

Potential surface water flood risk
<p>Even if properties haven't experienced past flooding, it does not mean that they are not at risk of future flooding. Therefore this section reviews the risk of future flooding.</p> <p>The Environment Agency Flood Map for Surface Water flooding indicates that a small area through the centre of the ward along the river may be at risk from deep (greater than 0.3m depth) surface water flooding with a 1 in 30 and 1 in 200 return period. This suggests the potential for surface water flooding affecting properties internally in these areas.</p> <p>The Environment Agency Flood Map for Surface Water indicates that shallow (0.1 – 0.3m deep) surface water flooding may pose a risk to slightly larger areas around the main river channel. Therefore there is a risk of shallow or nuisance flooding to roads, driveways and gardens in these areas.</p> <p>The Environment Agency Flood Map indicates potential for river flooding in similar locations to potential surface water flooding. Surface water and river flooding may therefore interact along the river channel.</p>

Measures already delivered to reduce risk
<p>41 properties in Wallington have benefited from property level protection funded through a funding mechanism no longer open for applications. Other measures to address flood risk, beyond those identified in the Halcrow 2002 report on groundwater flooding, have not been identified or delivered.</p>

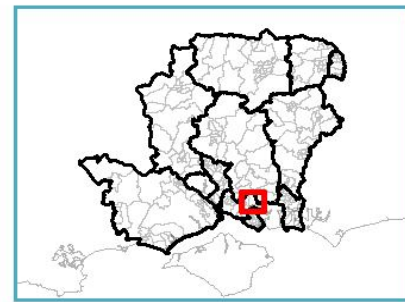
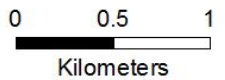
Future measures needed to reduce risks
<p>Although property level protection has been implemented for 41 properties at highest risk of river and surface water flooding, this ward remains at a high risk of groundwater water flooding. Hampshire groundwater surface water management plan will be reviewing the pathways of groundwater flooding within this ward, and will consider future measure and actions to mitigate the risk. This will include reviewing maintenance regimes, the ground water flood warning service, and potential capital schemes. However, there is a residual risk of combined flooding within this ward. Therefore Hampshire County Council should act as coordinating authority for a SWMP team, which includes representation from the Water Company, the Environment Agency, the District Council and residents.</p> <p>This delivery team should work alongside the GWSWMP and:</p> <ul style="list-style-type: none"> • Ensure that residents are aware of the risk of flooding • Promote the groundwater flood warning system to residents • Ensure that residents are made aware of advice on how to protect themselves and their property in times of flooding • Ensure that RMAs, individuals and riparian owners maintain and manage their drainage systems and waterbodies • Undertake a detailed investigation into the sources, pathways and receptors of flooding, to assess the feasibility of a flood risk management scheme to reduce the risk in the ward. The Environment Agency will provide more detail resolution regarding actual properties at risk of fluvial flooding in South Fareham and Wallington, to allow the delivery team to understand and quantify the risk of flooding from combined sources. <p>Specific policies should be considered by the Local Planning Authority (Fareham Borough Council) to control development within this risk area, ensuring suitable property resilience levels until such time as the source, pathways and receptors are understood at a detailed enough scale to ensure that new development is not at risk of flooding. Any new development must not increase flood risk elsewhere.</p> <p>The calculated annualised costs of groundwater flooding are approximately £150k, and this ward ranks second highest in Hampshire for the combined risk.</p>

River Meon



River Wallington

Wallington



Legend

River catchments

Groundwater flooding

- 2002/2003
- 2000/2001
- 1994/1995

Recorded surface water flooding and status of measure

- Delivered
- Programmed
- Identified
- Not identified

Environment Agency Flood Map for Surface Water (1 in 200 year)

- > 0.3 m depth
- > 0.1 m depth