



Individual Risk Assessments

Hazard and threat description, including scale:	
Local/Urban flooding (fluvial or surface run-off)	
Date of Revision	Next review date
01.10.15	01.10.18
Overview of hazard or threat:	
<p>Fluvial Flooding - (from rivers) most commonly caused by prolonged rainfall on saturated ground in the river catchment, which results in rivers or other watercourses overflowing their banks. Alternatively it can be caused by heavy intense rainfall over fast responding catchments.</p> <p>Surface Water Flooding - principally runoff from saturated and impermeable surfaces during heavy intense rainfall.</p> <p>Both of these flood types can occur in Norfolk particularly in the urban areas</p> <p>The Environment Agency leads on fluvial flood risk from Main Rivers. Approximately 7000 properties at risk from fluvial flooding in Norfolk. https://www.gov.uk/government/organisations/environment-agency</p> <p>The Lead Local Flood Authority (Norfolk County Council) lead on the planning, response and recovery from a surface water flood. http://www.norfolk.gov.uk/environment/flood_and_water_management/index.htm</p>	
Key historical evidence:	
<p>Surface water flood event in Northgate Street Great Yarmouth July 2006 caused by severe localised heavy rain. NFRS received over 300 calls from members of the public</p> <p>May to early October surface water flooding in Norwich in a number of individual events with 71 properties flooded over that period.</p> <p>27th May rainfall event 39.4mm was recorded as falling in 4 hours 15mins by Heigham rainfall monitoring station. This intensity of rainfall equates to a 1 in 16 year rainfall event.</p> <p>20th July Rainfall event Hourly rainfall totals from the Norwich Airport rainfall monitoring station show 45.8mm fell in 1 hour from 14:00. This intensity of rainfall equates to a 1 in 121 year rainfall event</p>	
Likelihood:	
Hazard	Likelihood
4. Flooding	Medium High
Impact:	
Summary:	
Hazard	Impact
4. Flooding	Minor

Details:		
Impact associated with risk (i.e 1 of x)		
Primary:		
<ul style="list-style-type: none"> • Drowning of people, pets and livestock • Major damage to property and surrounding land • Closure or washing away of roads, bridges, railway lines • Loss of or damage to telephone, electricity, gas and water supplies • Pollution / health risks from sewerage systems, chemical stores, fuel storage tanks • Evacuation and temporary / long term accommodation needs. 		
Secondary		
<ul style="list-style-type: none"> • Need for recovery strategy in aftermath of major flood • Disruption of economic life and major cost of rebuilding infrastructure • Public need for information, advice, benefits / emergency payments • Insurance implications, including help for the uninsured, refusal of insurance and increases in premiums • Safety assessments / possible demolition of damaged buildings and structures • Shortage / overstretch of key resources including both equipment and personnel 		
Overall assessment:		
Category:		
4. Flooding		
Likelihood	Impact	Risk Rating
Medium High	Overall	11
	Fatalities	1
	Casualties	1
	Economic	3
	Social Disruption	3
	Psychological	3
		Medium
Controls in place		
<ul style="list-style-type: none"> • Flood defence structures where appropriate. • Environment Agency Flood Warning Service. • Environment Agency Local Flood Warning Plan for Norfolk. • NRF Strategic Flood Plan. • NRF Norfolk Emergency Response Guidance • Norfolk Constabulary Contingency Plan 512 Force Flooding Instructions. • District, City and Borough Emergency Plans. 		