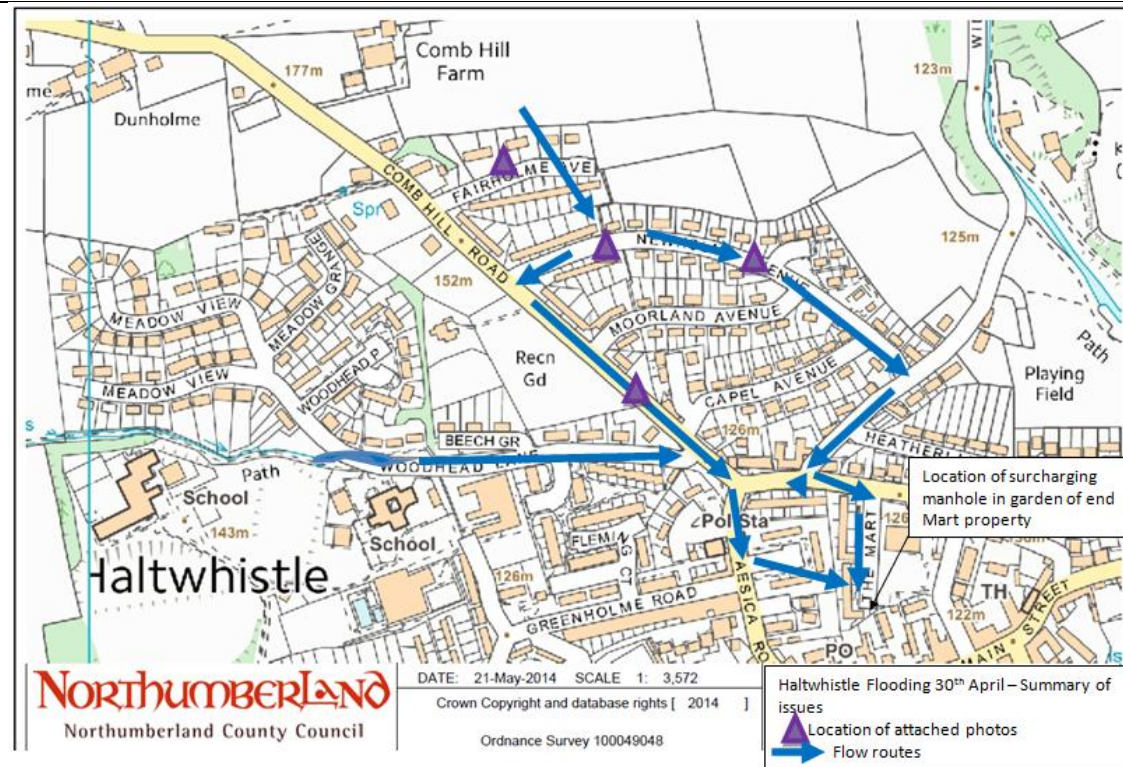


# Flood Investigation Report

Location: **Haltwhistle** Incident Date: **30 Apr 14**

<b>Source(s) of flooding:</b>						
Ordinary Watercourse	Main River	Surface Water	Groundwater	Sewer	Sea	Tidal Lock
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Impacts (number)</b>	Residential	Business	Other Buildings	Roads	Critical Infrastructure
	<b>15-20</b>	<b>1-2</b>	<b>1</b>		



## Description

Anecdotal reports suggest that flooding occurred following a short period of high intensity rainfall (approx. 2hrs) and from a combination of ordinary watercourse and surface water sources. The storm varied locally, registering as little as 14mm of rain in the 24hr period over the outer catchment, with 44mm registered in the centre of Haltwhistle over the same period. It is understood that the majority of this rainfall fell over a 2 hour period.

The Hemel Burn spilled at the culverted entrance adjacent to the Haltwhistle Community Campus, flowed down Woodhead Lane and along Aesica Rd before crossing Meadow Close and ponding in the Mart. Water was also seen surcharging from a manhole on the culverted section of the watercourse at the end Mart property. Surface water flowed down Willia Rd affecting 2-3 properties on Fair Hill before contributing to flooding experienced within the Mart. It is understood that 5-10 properties were affected on the Mart, although due to the recent installation of property level flood protection, the material impacts were mainly restricted to dampness over the threshold of three properties where there was some seepage through the flood doors.

To the north of the town, surface water crossed the steep ground above Newholme Av. flowing around and through several properties on Newholme Av. On arriving at Newholme Rd., surface water flowed down Newholme Av. in the direction towards Willia Rd. and in the opposite direction onto Coombe Hill. Flooding also occurred on the entrance to Westlands.

<b>RMA Actions:</b>	
<b>NCC</b>	<i>Exercised:</i> Flood investigation carried out <i>Proposed:</i> Continue to develop a flood mitigation scheme for Haltwhistle
<b>EA</b>	<i>Exercised:</i> N/A <i>Proposed:</i>
<b>NWL</b>	<i>Exercised:</i> Minor maintenance carried out around the Community campus <i>Proposed:</i> Investigating feasibility of a scheme at Westlands
<b>Other</b>	<i>Exercised:</i> <i>Proposed:</i>

**Additional supporting information**

[Please insert photos / plans highlighting flood extent / flow paths]



Photographs (top left & clockwise) Fairholme Av., Newholme Av., Coombe Hill towards Aesica Rd & Newholme Av.

<b>Sign Off</b>		<b>Date</b>
Drafted by: Aaron McNeill, FCERM Assistant Engineer		May '14
Approved by: Trevor Dixon, FCERM Manager		May '14
RMA Notification: EA <input type="checkbox"/> NWL <input checked="" type="checkbox"/> Other <input type="checkbox"/> (please specify)		