

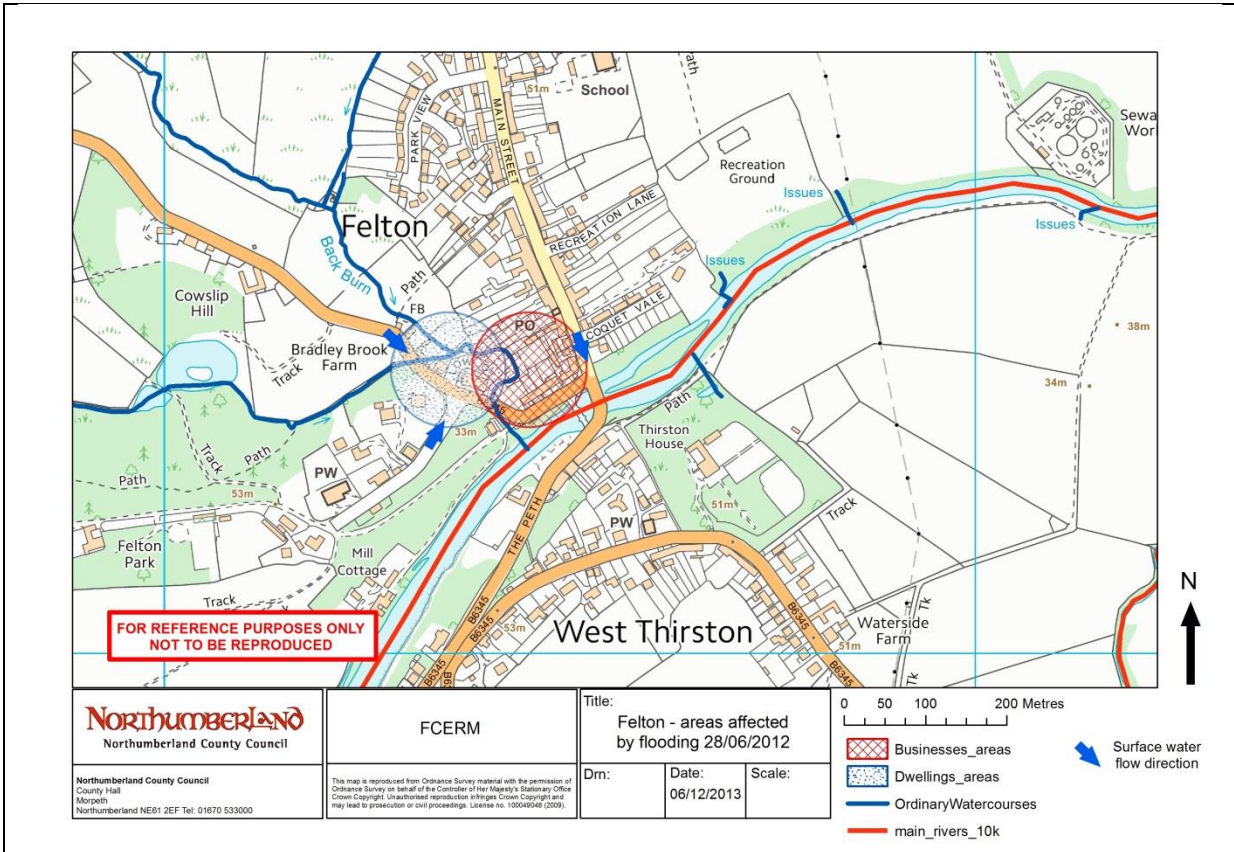
Flood Investigation Report

4.7

Location: Felton	Incident Date: 28/06/12
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Source(s) of flooding:						
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 type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Impacts	Residential	Business	Other Buildings	Roads	Critical Infrastructure
(number)	2	1	0	4	0



Description

Felton is a village situated approximately 13km east of Rothbury and 9km southwest of Amble. The river Coquet, which is a designated main river, flows through the southern part of the village.

Flooding in Felton on the 28th June occurred from two potential sources. The first source was directly from surface water from the highway. The sheer volume of water was too much for the system to take and this caused water to flood dwellings and properties. The topography of the road network meant that water flowed down the B3645 and from the unnamed road adjacent to the Riverside. On visiting the site the highway drain adjacent to the B3645 appeared to be broken, this would have contributed to the flooding as surface water from the highway would not have been able to drain away in the way it was functioned to.

The main cause of flooding to property was from the Back Burn, an ordinary watercourse that flows through Felton. Water levels in the Back Burn according to eye witness reports rose dramatically, in a very short period of time. The levels eventually went over the banks of the river and subsequently flooded property and gardens on the right hand bank of the river. Some houses did have property level flood defences that proved effective in this instance.

Surface water also collected in Main Street and flowed southerly towards the river Coquet. Main Street slopes severely towards the river and this would have increased flood velocities. The majority of this water would have flowed into the river Coquet, but some businesses off Main Street were affected by the flooding.

The war memorial situated off the junction of the B3645 and Riverside was also affected. This was because there are only two gullies on the corner of the B3645 by the war memorial. On this occasion the amount of water was too much to enter into the gullies and drainage system. Reports by local residents say the depth of water here reached 2ft.

RMA Actions:	
NCC	<i>Exercised:</i> Carried out Flood Investigation Report. NCC Highways have fixed drain adjacent to road Have contacted Highways Agency regarding runoff from the A1. <i>2014 edit</i> – have further contacted NCC Highways to see if gullies and drainage system by the war memorial can be cleaned / improved.
	<i>Proposed:</i> Undertake further investigation / consultation with the Highways Agency regarding surface water discharge from the A1.
EA	<i>Exercised:</i> <i>Proposed:</i>
NWL	<i>Exercised:</i> <i>Proposed:</i>
Other	<i>Exercised:</i> <i>Proposed:</i>

Additional supporting information

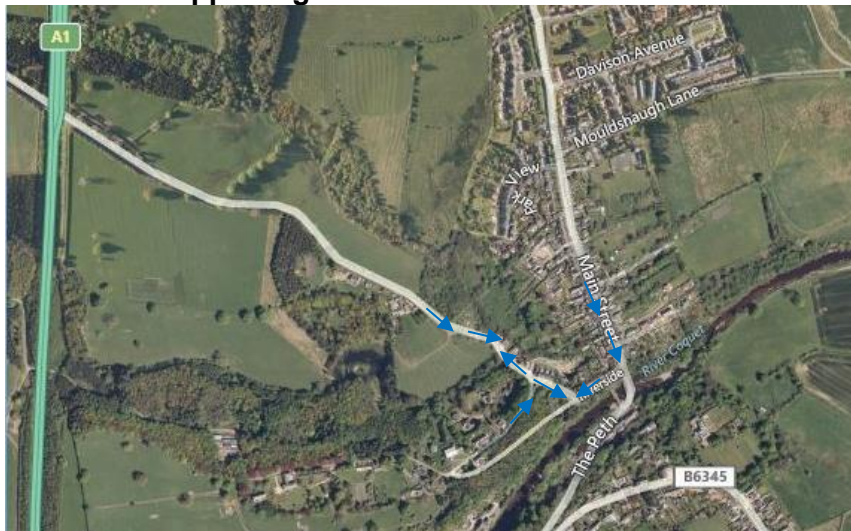


Figure 1: Surface water flow paths around Felton

Flood Investigation Report



Figure 2: Possible additional contributors to flooding in Felton

The Highways Agency have been contacted to obtain drainage plans from the A1. In addition we have asked for any features to be investigated and cleared if necessary. It may be possible that any surface water features were not working to their capacity and hence this could be increasing the risk of flooding on the Back Burn.

After a site visit with members of the Parish Council on 21 May 2014, we have agreed to view future planning developments in the Felton area, in particular those west of Main Street and Dene Close. We will ensure that any future development in this area does not increase the risk of flooding within Felton through all potential sources of flooding.



Figure 3 – location of gullies (red cross) and direction of flow in and around the war memorial

<p>Sign Off Drafted by: James Hitching – SuDS Officer (amended) Approved by: Trevor Dixon – FCERM Manager</p>	<p>Date 22/05/14</p>
<p>RMA Notification: EA <input checked="" type="checkbox"/> NWL <input checked="" type="checkbox"/> Other <input checked="" type="checkbox"/> (Highways Agency)</p>	