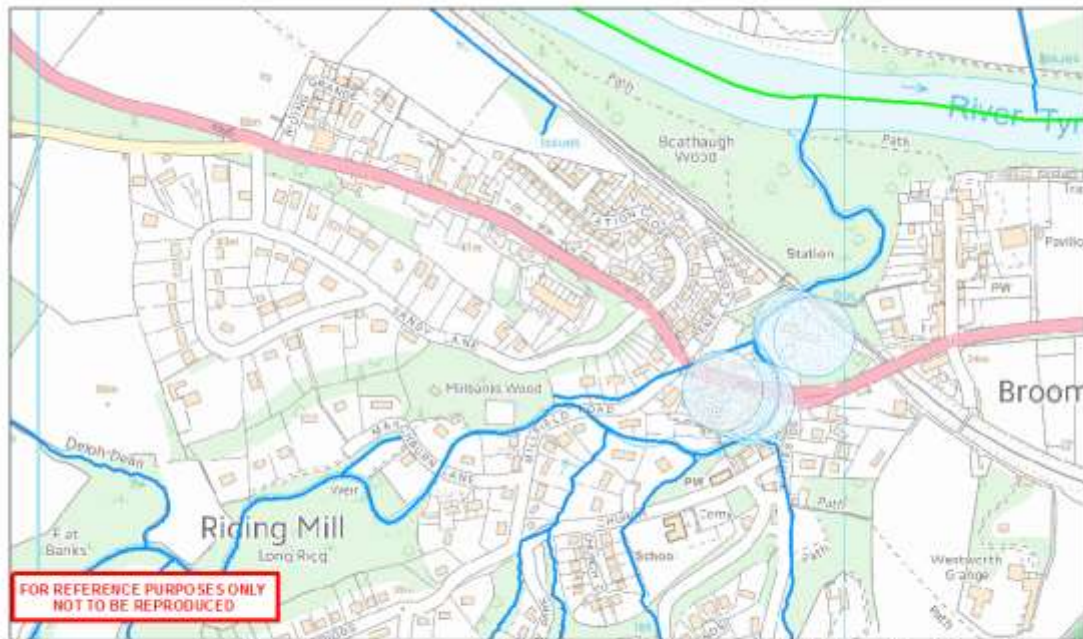


Flood Investigation Report

Location: **Riding Mill** Incident Date: **5/12/15**

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

Impacts	Residential	Business	Other Buildings	Roads	Critical Infrastructure
(number)	5	0	0	0	0



FOR REFERENCE PURPOSES ONLY NOT TO BE REPRODUCED


<p>Northumberland County Council 01662 4481 166221 Northumberland NSDI 22P for 2470133888</p>	<p>Network Management Information System</p> <p><small>This map is produced for use by the Council and its contractors with the permission of the Ordnance Survey. No other use of the map or the data contained therein is permitted. Ordnance Survey is not responsible for any errors or omissions in this map or the data it contains. Ordnance Survey is not responsible for any loss or damage arising from the use of this map or the data it contains.</small></p>	<p>Title: Riding Mill - Areas affected by flooding Winter 2015-16</p>		<p>0 37.5 75 150 225 300 Metres</p> <p>— Ordinary watercourse — Main river [Blue hatched] Affected dwellings Winter2015-16 [Green hatched] Affected business Winter2015-16 [Red] Affected Roads Winter2015-16</p>
		<p>Drn: JRS</p>	<p>Date: May 2016</p>	

Description

Riding Mill is a small village located 6 miles to the east Hexham.

On Friday 4th – Saturday 5th December, Storm Desmond passed to the northwest of the UK bringing severe gales and heavy and persistent rainfall across northern England. As a result, the River Tyne and its tributaries swelled and overtopped banks at Riding Mill.

The March Burn also could not discharge into the Tyne due to the high river levels, which caused it to back up, overtop its banks and flood properties.

RMA Actions:	
<i>Exercised:</i>	- Property level resilience grant made available for residents to install defences and make properties more resilient in flooding events.
NCC	
<i>Proposed:</i>	- Consider any recommendations for investigating the Tyne's interaction with the March Burn, following the Tyne model update.
EA	
<i>Exercised:</i>	- Completed an initial economic assessment following the floods to see if future flood risk management improvement works would be cost beneficial.
<i>Proposed:</i>	- EA to update the Tyne model and to include recommendations for investigating its interaction with the March Burn.
NW	
<i>Exercised:</i>	<ul style="list-style-type: none"> - Some localised CCTV sewer surveys. - Met with the EA to discuss whether the maximum water level in Kielder Reservoir can be reduced to provide greater flood water attenuation. - Transferring Kielder Reservoir to a new water resources modelling software (Aquator) in order to determine maximum water level.
<i>Proposed:</i>	<ul style="list-style-type: none"> - Carry out property level protection on the wastewater pumping station and manholes. - Test using new software to help NW and the EA decide an acceptable maximum water level at Kielder. All runs complete by 31st August 2016 with any changed being implemented from 1st November 2016.
Other	
<i>Exercised:</i>	
<i>Proposed:</i>	
Additional supporting information	
	
Image 1 – Flooded garden in Riding Mill	

Sign Off	Date
Drafted by: Lucia Vidal	
Approved by: Aaron McNeill	12/08/2016
RMA Notification: EA <input checked="" type="checkbox"/> NW <input checked="" type="checkbox"/> Other <input type="checkbox"/> (please specify)	