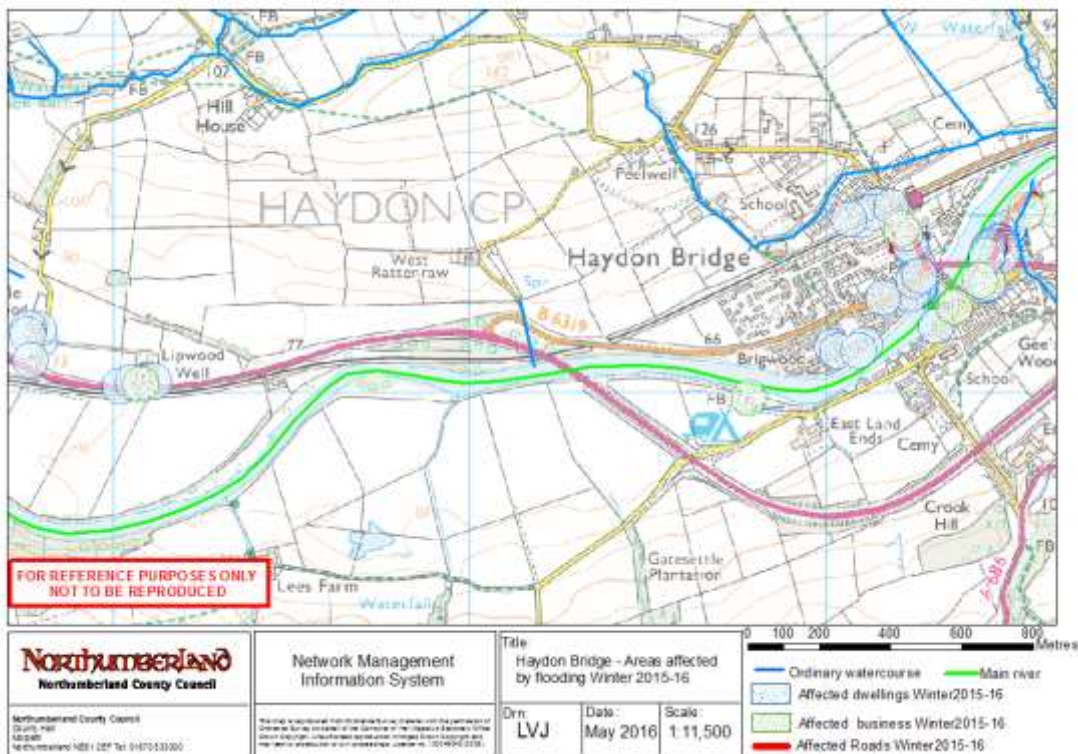


Flood Investigation Report

Location: **Haydon Bridge** Incident Date: **5/12/16**

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

Impacts (number)	Residential	Business	Other Buildings	Roads	Critical Infrastructure
	50	8	0	1	0



Description

Haydon Bridge is a village located 6 miles West of Hexham. It has a population of over 2,100 people.

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 defences.

Residential areas along both banks of the Tyne at Haydon Bridge suffered flooding due to the increased levels of the river. The caravan park, located on the south bank of the Tyne, was also affected by the flooding.

Surface water and a smaller watercourse contributed to the flooding experienced. A culverted watercourse to the north of the village overtopped its inlet in the grounds of the high school and manholes surcharged at various points along the culvert, affecting a number of properties and causing significant surface water highway flooding at Belmont and Church Street.

Although this event was lower than the highest record in Haydon Bridge (January 2005),

reports from residents suggest that the water levels in the centre of the village were actually several inches higher on the December 2015 event. This can be explained by the fact that the peak was longer and defences were overtopping for much longer. This led to properties having more water in them over the course of the event.

In total 50 Residential buildings and 8 businesses were affected by the flooding.

RMA Actions:

<p><i>Exercised:</i></p> <p>NCC</p> <p><i>Proposed:</i></p>	<ul style="list-style-type: none"> - Repairs were made to the highway infrastructure. - Investigation into a Landslip on the B6319 was carried out. - Property level resilience grant made available for residents to install defences and make properties more resilient in flooding events. - CCTV of the culvert to the north of the railway and highway drainage. - Explore opportunities to coordinate, with Northumbrian Water, further investigations and the feasibility of future works to address performance of the culvert at Belmont and better manage surface water. - Determine riparian responsibilities for maintenance on the Langley Burn.
<p><i>Exercised:</i></p> <p>EA</p> <p><i>Proposed:</i></p>	<ul style="list-style-type: none"> - Erosion repair works on the north and south banks of the River South Tyne, using some of the gravel within the river channel. - Erosion repair works beneath the flood wall at Temple Houses using gabions. - Repairing the flood bank at Martins Close and Rockspring Crescent and raising low spots behind Rocksprings Crescent. - Repointing Brigwood flood wall and altering the outfalls along the wall. - Reviewed the Flood Warning Service and implemented improvements based on data collected after the flood event. - Engagement with the local community and the Parish Council through regular joint communications, working in partnership with NCC and NW. - Completed an initial economic assessment following the floods to see if future flood risk management improvement works would be cost beneficial. - Invite the Haydon Bridge Flood Wardens to attend the 2016 Flood Warden Event in October 2016. - Continued support for the community in developing a Community Flood Plan and Volunteer group. - Annual monitoring of gravel deposits in South Tyne.
<p><i>Exercised:</i></p> <p>NW</p> <p><i>Proposed:</i></p>	<ul style="list-style-type: none"> - Outfalls have been checked to ensure effective operation. - 3,000m of sewer network have been CCTV'd in Haydon Bridge with 1,200m being cleansed. - Sewer lining has been carried out at three separate locations to prevent structural deterioration and water ingress. - Repair works to the sewer network near the Anchor Pub which is currently being investigated in partnership with the EA. - Explore opportunities to coordinate, with Northumberland County Council, further investigations and the feasibility of future works to address performance of the culvert at Belmont and better manage surface water.

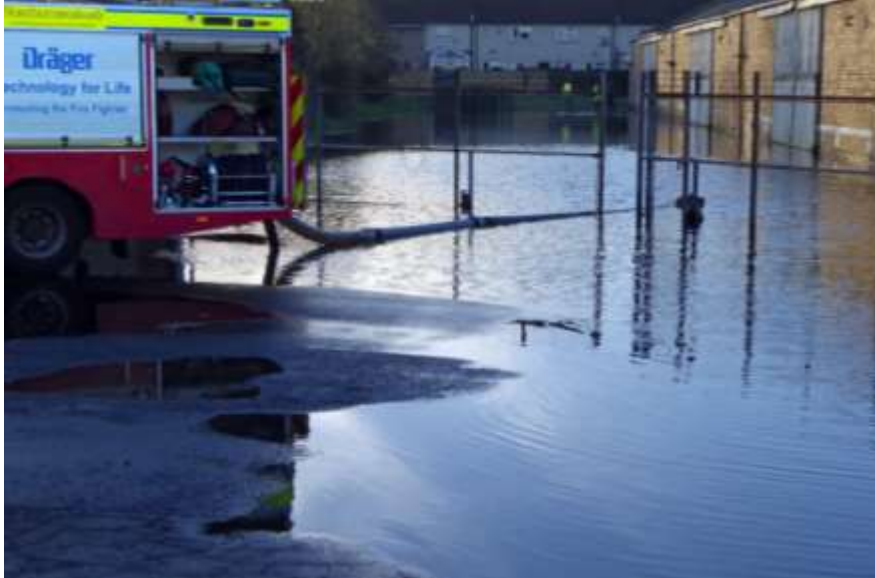
Flood Investigation Report

Other

Exercised:

- A Community Flood Action Plan is being developed. If you are interested please contact Haydon Bridge Flood Action Group at daver1949x@gmail.com.
- Improvements to the Flood Warning service at Haydon Bridge are now live. To check if you are signed up to the Flood Warning service, contact Floodline on 0345 988 1188 or online at: <https://www.gov.uk/sign-up-for-flood-warnings>.

Proposed:



Additional supporting information

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