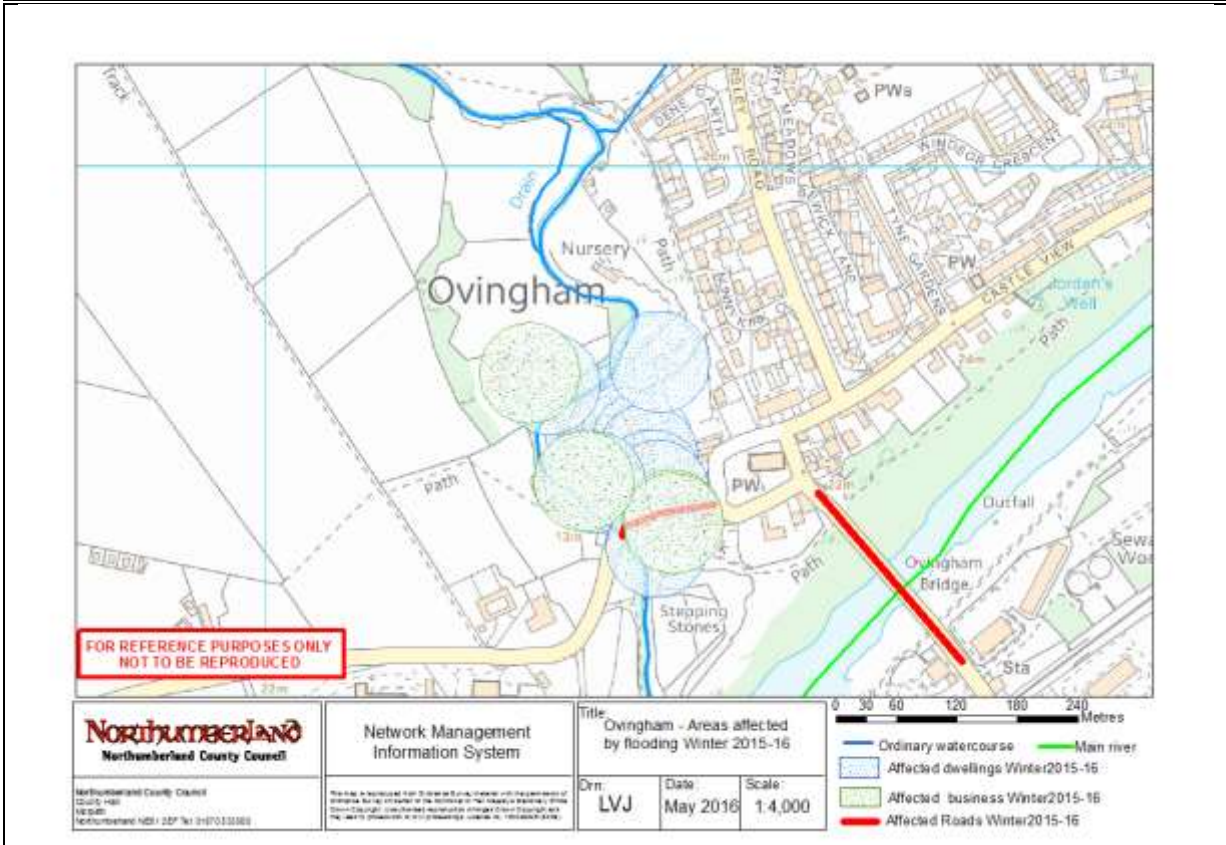


Flood Investigation Report

Location: Ovingham	Incident Date: 5/12/15 & 5/1/16
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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)	12	4	0	0	0



Description

Ovingham is a village which lies on the north bank of the River Tyne, approximately 10 miles east of Hexham. The River Tyne separates Ovingham and Prudhoe which are connected via the Ovingham Bridge.

Ovingham was affected by three events: Storm Desmond (4/6th Dec) resulting in the Tyne swelling and overtopping its banks / defences. Storm Eva (26th Dec) and more significantly Storm Frank (5/6th Jan) resulted in flooding to residential properties from the Whittle Burn.

Surface water runoff from the agricultural fields in the north of the town created risk of flooding to several properties, however no internal flooding occurred.

Overall 12 dwellings and 4 businesses were flooded in the Ovingham and Ovingham bridge sustained heavy damage requiring it to be closed.

<p>RMA Actions:</p> <p><i>Exercised:</i></p> <p>NCC</p> <p><i>Proposed:</i></p>	<ul style="list-style-type: none"> - Repairs to the damaged bridge were made such as removing debris and repairing the scaffolding and foundations of the bridge. - A study was conducted to assess the full extent of the damage to the river bed and the foundations of the bridge. - Property level resilience grant made available for residents to install defences and make properties more resilient in flooding events. <p><i>Proposed:</i></p> <ul style="list-style-type: none"> - Work in partnership with the other RMA's to investigate the issue around the Whittle Burn and provision of a localised flood warning system.
<p><i>Exercised:</i></p> <p>EA</p> <p><i>Proposed:</i></p>	<ul style="list-style-type: none"> - Reviewed the Flood Warning Service and implemented improvements based on data collected. - Hydraulic modelling scenario runs of Ovingham Bridge and the temporary scaffolding. - Facilitated a tour of the EA's North East Area Incident Room for members of the parish council. - Fallen and unstable trees were removed upstream of Ovingham bridge. - Completed an initial economic assessment following the floods to see if future flood risk management improvement works would be cost beneficial. <p><i>Proposed:</i></p> <ul style="list-style-type: none"> - Work in partnership with the other RMA's to investigate the issue around the Whittle Burn and provision of a localised flood warning system. - EA to update the Tyne model and to include recommendations for investigating its interaction with the Whittle Burn. - Continued support of the Severe Weather Action Plan group to update and improve the plan for Ovingham. - Invite Ovingham Flood Wardens to attend the 2016 Flood Warden Event in October 2016.
<p><i>Exercised:</i></p> <p>NW</p> <p><i>Proposed:</i></p>	<ul style="list-style-type: none"> - 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. - Carried out CCTV survey, cleansing and relining of some sewers in Ovingham. <p><i>Proposed:</i></p> <ul style="list-style-type: none"> - Repairing the surface water outfall and installing a flap valve on the combined sewer overflow this financial year. - Work in partnership with the other RMA's to investigate the issue around the Whittle Burn and provision of a localised flood warning system. - Investigate whether live reservoir water level of Whittle Dene Reservoir data can be provided to local residents. - Test using Aquator software to help NW and the EA decide

Flood Investigation Report

an acceptable maximum water level at Kielder. Any Viable changes to the maximum water level in Kielder Reservoir would be implemented from 1 November 2016.

Other *Exercised:*
 Proposed:

Additional supporting information



Image 1- Image of the damage dealt to the Ovingham bridge

<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>	