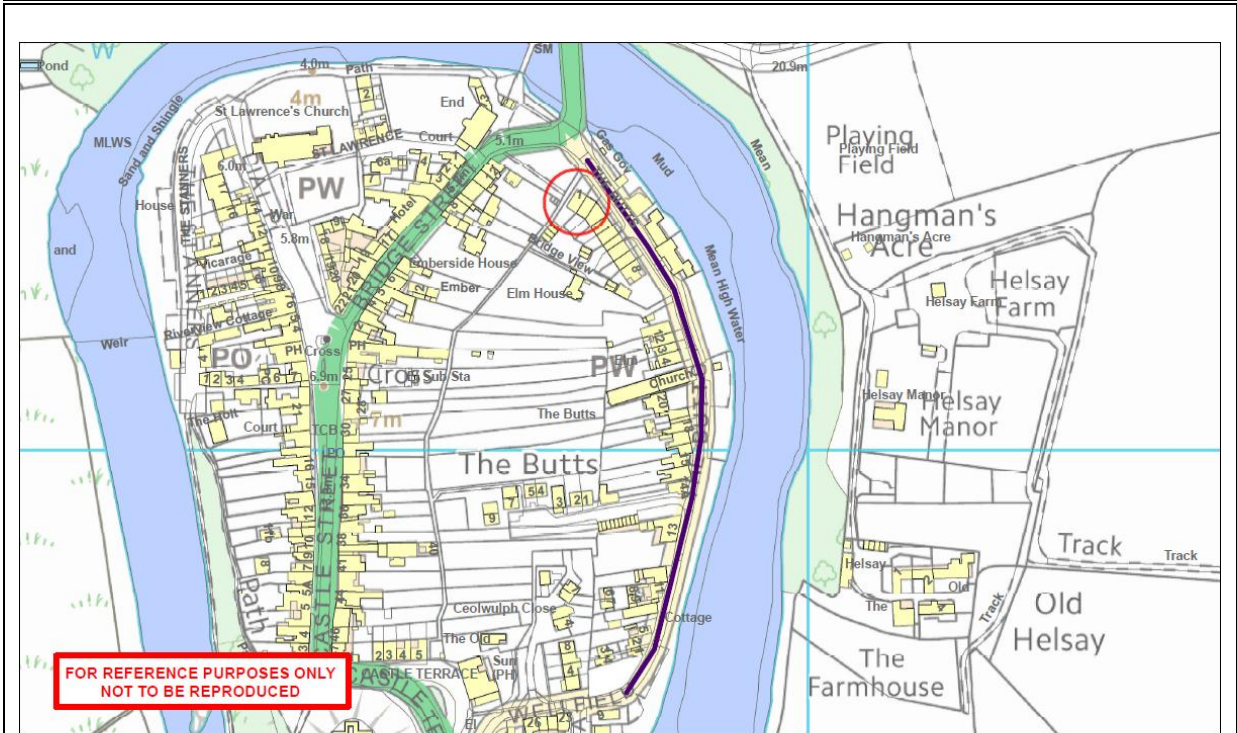


Flood Investigation Report

Location: Warkworth	Incident Date: 05/12/13
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Source(s) of flooding:						
Ordinary Watercourse	Main River	Surface Water	Groundwater	Sewer	Sea	Tidal Lock
<input 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)	1	0	0	1	0



<p>Northumberland County Council County Hall Morpeth Northumberland NE61 2EF Tel: 01670 533000</p>	<p>Network Management Information System</p> <p><small>This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationary Office. Crown Copyright. Unauthorised reproduction infringes Crown Copyright and may lead to prosecution or civil proceedings. License no. 100049048 2009.</small></p>	<p>Title: Warkworth tidal surge event 6 December 2013</p>			<p>Legend</p> <ul style="list-style-type: none"> Roads Affected Area Affected 	<p>N</p>
		<p>Dm: DG</p>	<p>Date: 05/09/2014</p>	<p>Scale: 1:2,687</p>		

Description

Warkworth is situated on a meander of the River Coquet, approximately 2 miles north-west of the larger settlement of Amble.

The tidal surge event on the 5th December 2013 coincided with a spring tide resulting in sea levels along the east coast reaching their highest in 60 years. As the sea level approached its peak at approximately 16:00, water began to over top the river banks that run adjacent to The Butts. The road along the Butts became flooded and 1 property was reported to have suffered internal flood damage. As the tide began to ebb flood waters retreated within an hour.

Despite the event being of such low probability The Butts will be at increased risk as mean sea level rises into the future.

RMA Actions:	
NCC	<p><i>Exercised:</i> • Carried out Flood Investigation Report.</p> <p><i>Proposed:</i> • Provide key messages via social media.</p>
EA	<p><i>Exercised:</i> • Warkworth flood alleviation scheme has been completed which reduces the risk of flooding to the Butts.</p> <p>• Further detail has been added to flood alert texts.</p> <p><i>Proposed:</i> • Discussion between the Environment Agency and Flood Forecasting Centre regarding changing the Flood Guidance Statement s when there have been flood alerts issued in the County.</p> <p>• EA to carry out investigation in how they forecast in the future to provide more consistent information with regards to; height of tidal surge, the issuing of warnings etc.</p>
NWL	<p><i>Exercised:</i></p> <p><i>Proposed:</i></p>
Other	<p><i>Exercised:</i></p> <p><i>Proposed:</i></p>
Additional supporting information:	

<u>Sign Off</u> Drafted by: David Green, Graduate FCERM Engineer Approved by: Trevor Dixon, Flood and Coastal Erosion Risk Manager	Date 14/01/15
RMA Notification: EA <input checked="" type="checkbox"/> NWL <input checked="" type="checkbox"/> Other <input type="checkbox"/> (please specify)	