Flood Investigation Report



Description

Tweedmouth is located in the very north-east corner of Northumberland on the south bank of the river Tweed. The area affected by the tidal surge is located near the Royal Tweed Bridge.

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 16:30, water began to flood Blakewell Street from the boat slipway to the south of the street. There are also numerous outfalls without tidal flaps entering the River Tweed, which allowed the rising water to enter the drainage systems resulting in surcharging manholes. The roads along Blakewell Street and West End were affected by the flood waters and one property is known 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 Blakewell Street will be at increased risk as mean sea level rises into the future.

RMA Actions:			
	Exercised:	Carried out Flood Investigation Report.	
		Repair and Renew Grant property level protection.	
NCC	Proposed:	 Installation of a demountable flood barrier across the boat slipway. 	
		 Installation of tidal flaps on existing outfalls. 	
	Exercised:	Further detail has been added to flood alert texts.	
EA	Proposed:	 Discussion between the Environment Agency and Flood Forecasting Centre regarding changing the Flood Guidance Statements when there have been flood alerts issued in the County. 	
		• 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.	
NWL	Exercised:		
	Proposed:	Investigation into issues of surcharging sewers	
Other	Exercised: Proposed:		
Additional supporting information:			
Additional supporting information.			
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Sign Off	Date 14/01/15		
Drafted by: David Green, Graduate FCERM Engineer			
Approved by: Trevor Dixon, Flood and Coastal Erosion Risk Manager			
RMA Notification: EA 🛛 NWL 🖾 Other 🗆 (please specify)			