Flood Investigation Report



Location: T	weedmouth			Incident Date: 05/12/13						
Source(s) of flooding:										
	Ordinary Main Surface					_	•	Tidal		
Watercourse River		Water Groundwater				Sewer	Sea	Lock		
					\boxtimes					
Impacts	Residential	Business	Other B	Other Buildings R		ads		Critical Infrastructure		
(number)	1	0	(0 2		i i i i i i i i i i i i i i i i i i i	0			
(1101111001)	<u> </u>				<u> </u>					
Sand Shingle MH & MLW FOR REFERENCE PURPOSES ONLY NOT TO BE REPRODUCED Network Management Tweedmouth tidal surge Legend Network Management Tweedmouth tidal surge										
Northumberland County	Council Infor	mation System	event	Tweedmouth tidal surge event 5 December 2013						
Northumberland County Council County Hall Morpeth Northumberland NE61 2EF Tel: 01670 5330	This map is reproduced for Ordnance Gurrey on beha Crown Copyright. Unautho may lead to prosecution or	m Ordnance Gurvey material with the permission of of the Controller of Her Majesty's Stationary C rised reproduction infringes Crown Copyright ar- civil proceedings. License no. 100049048 (200	mce D O		1:1,075	→ Flow Dire	ection			

Description

Sign Off

RMA Notification: EA

Drafted by: David Green, Graduate FCERM Engineer

Approved by: Trevor Dixon, Flood and Coastal Erosion Risk Manager

NWL 🛛

Other l

(please specify)

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. 					
		landalla Cara of Calal Managara and Cara and Cara					
		• Installation of tidal flaps on existing outfalls.					
EA	Exercised:	Further detail has been added to flood alert texts.					
	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:						
Proposea:							
Additional supporting information:							

Date

14/01/15