

<p><b>Cumbria flood action plan</b></p> <p><b>Appleby community action table</b></p> <p>The purpose of this action table is to highlight the flood management that is currently in place and the specific actions that are happening or proposed within Cumbria flood action plan for this community.</p> <p>Please read this table in conjunction with the full Cumbria flood action plan and summary document, which can be found online by visiting <a href="http://www.gov.uk">www.gov.uk</a> and searching Cumbria flood action plan.</p>	<p><b>Appleby better protected</b></p> <p><b>1) Do Now (within next 12 months):</b></p> <ul style="list-style-type: none"> <li>• Complete repair and recovery work</li> <li>• Set up temporary defences and pump deployment plan before winter 2016</li> <li>• Complete Emergency Plans</li> <li>• Register properties on Floodline Warnings Direct</li> <li>• Publish and review flood investigation report</li> <li>• Initiate development of flood risk management improvement works</li> </ul> <p><b>2) Develop (2-5 years):</b></p> <ul style="list-style-type: none"> <li>• Improvements to flood risk management assets and watercourses in response to the flood investigation report.</li> <li>• Continue to support sharing knowledge and best practice through the network for Community Action Groups</li> </ul> <p><b>3) Explore (5+ years):</b></p> <ul style="list-style-type: none"> <li>• Implement opportunities for natural flood risk management and engineered storage upstream of Appleby.</li> </ul>
<p><b>Catchment:</b> Eden</p> <p><b>Impact of December 2015 flood:</b> Approximately 170 homes and businesses were flooded</p> <p><b>Description:</b> Appleby is a market town and a popular tourist destination situated in the east of Cumbria. The Appleby river system consists of the river Eden and two main tributaries, Doomgate beck and Drawbriggs beck. The main extent of agricultural land starts south of Appleby and extends down just past Great Ormside.</p>	

	What's already in place	What we're going to do and what this will achieve	When this work will take place	Who's responsible for this work	How much will it cost/ Sources of funding
<p><b>Strengthening flood defences</b></p> 	<p>Flooding in Appleby is reduced by over 130m of raised embankment and 840m of flood wall. These defences work together to manage river flows through the town. There is also 685m of culvert, 9 floodgates, property level protection at the Sands, a pumping stations to manage flows and numerous flap valves on drainage outfalls.</p>	<p><b>Improved defences</b></p> <p>£2.5million of capital funding has been allocated from within the Flood and Coastal Erosion Risk Management Investment Programme. This funding will be used to promote the options for managing flood risk which may include strengthening defences, improving the capacity of watercourses and surface water drains and upstream storage and 'slow the flow' interventions.</p> <p>Provide access to additional national mobile defences</p> <p><b>Repairing damages from Storm Desmond</b></p> <p>Work completed: Repairs to Doomgate culvert, the embankment at the cricket pitch and the flood defences have all been undertaken.</p> <p>Work ongoing: A project to remove the large volume of debris within the river channel is on-going. The flood wall repairs are programmed to be complete by the end of July</p>	<p>Medium term (5 years)</p> <p><b>Available before winter 2016</b></p> <p>Complete</p> <p>Short term (within 12 months)</p>	<p>Environment Agency</p> <p>Environment Agency</p>	<p>£2.5m from central government</p> <p>£450,000 from central government</p>

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		<p><b>Modelling and forecasting post-event model re-runs</b></p> <p>Update the river level model with the most recent flow data available from Storm Desmond to develop and support any future schemes.</p>	Short term (within next 12 months)	Environment Agency	£70,000 (Cumbria wide spend)
		<p><b>Understanding Bridges</b></p> <p>Review the role that bridges play in flood risk and their vulnerability during a flood</p>	Short term – strategic review within the next 12 months	Cumbria County Council Environment Agency	
<p><b>Upstream management</b></p> 	<p>Currently there is limited use of Upstream Management in the sub-catchments upstream of Appleby</p>	<p>Explore opportunities for engineered and natural flood management solutions to be used upstream of Appleby in order to 'slow the flow' and manage peak river levels.</p>	Medium term (5 years) or long term (over 5 years)	Farmers Landowners Community Groups Trusts	
		Plant tree in ghylls and wet areas at Mallerstang, upstream of Appleby.	Short Term	Woodland Trust Natural England landowners	
<p><b>Maintenance</b></p> 	<p>Flooding in Appleby is reduced by over 130m of raised embankment and 840m of flood wall. These defences work together to manage river flows through the town. There is also 685m of culvert, 9 floodgates, property level protection at the Sands, a pumping stations to manage flows and numerous flap valves on drainage outfalls.</p> <p>These assets and the river channel are maintained by the Environment Agency on an ongoing basis. This includes managing vegetation and removing gravel. The flood wall, embankment and other structures are also inspected and any necessary works carried out.</p> <p>The planned maintenance programme is available at: <a href="https://www.gov.uk/government/publications/river-and-coastal-maintenance-programme">https://www.gov.uk/government/publications/river-and-coastal-maintenance-programme</a></p> <p>Cumbria County Council maintains the ordinary watercourses, surface water drainage and highway drainage.</p>	<p>New Environment Agency system will make it easier for communities to understand maintenance in their area. Improvements will show exactly when, where and what maintenance is being planned each year.</p> <p>Make sure that communities understand how they can access information on planned maintenance at: <a href="https://www.gov.uk/government/publications/river-and-coastal-maintenance-programme">https://www.gov.uk/government/publications/river-and-coastal-maintenance-programme</a></p>	Short (within next 12 months)	Communities Environment Agency Parish and district Councils	
<p><b>Resilience</b></p> 	<p>There is an active Flood Action Group (FLAG) in Appleby. An emergency plan has been developed by the FLAG with support from the Environment Agency</p>	<p>Work with the FLAG and Parish Council to ensure that they are able continue into the future</p> <p>Work with communities to establish a network of Emergency Groups to share learning and best practice.</p>	Emergency Plan in place	Environment Agency (Flood Warning & Community Resilience) Communities Parish & District Councils Local Government	Local Levy, central government funding (Flood Defence Grant in Aid

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	Appleby currently receive Flood Warnings with an uptake of 91% of at risk properties registered to the service.	Work with the Emergency Group to increase uptake of residents registered to the flood warning service	<b>Before winter 2016 / complete</b>		
	Eden District Council is administering flood recovery and resilience grants.	Provide additional support to DCLG and Local Authorities to improve the uptake of the £5,000 Government resilience grants to help people better protect their homes. Applications can be made up until December 2016. A further £2,000 top up grant can also be applied for from the Cumbria Flood Recovery Fund.	Closing date for Grant applications – <b>end of December 2016</b>		Resilience grants of £5k per property
		Carry out further investigations with respect to the feasibility of local temporary defences and pumping, with the aim of having plans prepared for Winter 2016. With the outcome to increase resilience in communities where either there are no formal defences in place or where additional contingency is required.	<b>Before winter 2016</b>	Environment Agency	
<b>Water Level Management Boards</b> 	There are no Water Level Management Boards in this area				

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