

<p>Cumbria flood action plan</p> <p>Keswick community action table</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 www.gov.uk and searching Cumbria flood action plan.</p>	<p>Keswick better protected</p> <p>1) Do Now (within next 12 months):</p> <ul style="list-style-type: none"> • Complete repair and recovery work • Set up temporary defences and pump deployment plan before winter 2016 • Register properties on Floodline Warnings Direct • Publish and review flood investigation report • Initiate development of flood risk management improvement works <p>2) Develop (2-5 years):</p> <ul style="list-style-type: none"> • Improvements to flood risk management assets and watercourses in response to the flood investigation report. • Continue to support sharing knowledge and best practice through the network for Community Action Groups <p>3) Explore (5+ years):</p> <ul style="list-style-type: none"> • Implement opportunities for natural flood risk management and engineered storage upstream of Keswick
<p>Catchment: Derwent</p> <p>Impact of December 2015 flood: Approximately 730 homes and businesses were flooded</p> <p>Description: Keswick is a market town and tourist destination just north of Derwent Water in the Lake District National Park. The river Greta and Cuddy beck flow through the town and into Derwent Water. The population of Keswick is around 4,800.</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>Strengthening flood defences</p> 	<p>Flooding in Keswick is reduced by over 1.1km of raised embankment and 1.3km of flood wall. These defences work together to manage river flows through the town. There is also 65m of culvert, 3 floodgates, 1 stoplog, a surface water pumping station and numerous flap valves on drainage outfalls.</p>	<p>Improved defences</p> <p>Review the recommendations from the Section 19 Flood Investigation Report and National Resilience Review to develop integrated flood risk management solutions.</p> <p>Although there may be no funding identified in the currently consented FDGiA Investment Programme, we will submit a bid for funding for viable projects identified following a review of the recommendations at the earliest opportunity, as part of the annual FDGiA Investment Programme refresh and/or when other appropriate sources of funding are made available.</p> <p>Provide access to additional national mobile defences.</p>	<p>Flood Investigation Report due summer 2016</p> <p>Available before winter 2016</p>	<p>Environment Agency</p>	

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		<p>Repairing damages from Storm Desmond</p> <p>Work Completed: Approximately 25,000 tonnes of gravel has been removed from the River Greta throughout the town.</p> <p>Work ongoing: In September works are scheduled to remove gravel at the upstream end of Penrith Road, upstream of Calvert Bridge. A significant quantity of large wooden debris has been removed from the Greta throughout the town, this work will continue upstream in the Low Briery area.</p>	<p>Complete</p> <p>Short term – by October 2016</p>		£172,000 from central government
		<p>Modelling and forecasting post-event model re-runs</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>Understanding Bridges</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>Upstream management</p> 	Currently there is limited use of Upstream Management in the sub-catchments upstream of Keswick	Explore opportunities for engineered and natural flood management solutions to be used upstream of Keswick in order to 'slow the flow' and manage peak river levels.	Medium term (5 years) or long term (over 5 years)	Farmers Landowners Community Groups Trusts	
	Investigation into the use of Thirlmere reservoir to provide flood storage for Keswick	Continue working with Keswick Flood Action Group & United Utilities (UU) to explore potential opportunity to reduce flood risk through changing operations at Thirlmere.		United Utilities Flood Action Group Environment Agency	
		Explore options of river restoration in the Borrowdale Valley.	Medium term (5 years)	Natural Trust National England	

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Maintenance 	<p>Flooding in Keswick is reduced by over 1.1km of raised embankment and 1.3km of flood wall. These defences work together to manage river flows through the town. There is also 65m of culvert, 3 floodgates, 1 stoplog, a surface water pumping station 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: https://www.gov.uk/government/publications/river-and-coastal-maintenance-programme</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: https://www.gov.uk/government/publications/river-and-coastal-maintenance-programme</p>	Short (within next 12 months)	Communities Environment Agency Parish and district Councils	
Resilience 	<p>There is an active Flood Action Group (FLAG) in Keswick. An Emergency Plan has been developed through the FLAG with support from Environment Agency.</p>	<p>Work with the FLAG and Parish Council to ensure that they are able to continue into the future</p> <p>Continue to work with communities to establish 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)
	<p>Keswick currently receive Flood Warnings with an uptake of 93% of at risk properties registered to the service.</p>	<p>Work with the Emergency Group to increase uptake of residents registered to the flood warning service</p>	Before winter 2016		
	<p>Allerdale District Council is administering flood recovery and resilience grants.</p>	<p>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.</p>	Closing date for Grant applications – end of December 2016		Resilience grants of £5k per property
		<p>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.</p>	Before winter 2016	Environment Agency	

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Water Level Management Boards 	There are no Water Level Management Boards in this area				

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