






<p>Cumbria flood action plan</p> <p>Braithwaite 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>Braithwaite 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 • Complete Emergency Plans • 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 Braithwaite
<p>Catchment: Derwent</p> <p>Impact of December 2015 flood: Approximately 41 homes and businesses were flooded</p> <p>Description: The village of Braithwaite is situated two miles west of Keswick within the northerly boundary of the Lake District National Park. Braithwaite sits on Coledale beck, a tributary of Newlands beck which it joins downstream of the village before flowing north towards Bassenthwaite Lake.</p> <p>Braithwaite will be a pilot area for the community-focussed, catchment based approach.</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 Braithwaite is reduced by over 630m of raised embankment and Coledale gravel trap. These defences work together to manage river flows.</p>	<p>Improved defences</p> <p>£800,000 of capital funding has been allocated from within the Flood and Coastal Erosion Risk Management Investment Plan. This funding will be used to assess 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>Review the recommendations from the Section 19 Flood Investigation Report and National Resilience Review to develop integrated flood risk management solutions.</p> <p>Provide access to additional national mobile defences.</p>	<p>Short term (within next 5 years)</p> <p>Flood Investigation Report due summer 2016</p> <p>Available before winter 2016</p>	<p>Environment Agency</p>	<p>£800,000 from central government</p>
		<p>Repairing damages from Storm Desmond</p> <p>Work completed: Temporary repairs are in place.</p> <p>Work ongoing: Permanent repairs to defences are due for completion October 2016.</p>	<p>Complete</p> <p>Short term – by October 2016</p>		<p>£120,000 from central government</p>

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		<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> 	<p>Currently there is limited use of land management, tree planting and upstream storage to reduce flooding.</p>	<p>Explore opportunities for engineered and natural flood management solutions to be used upstream of Braithwaite 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	
		<p>Continue to work with the Cumbria Peat Partnership to identify suitable sites and access funding to restore peatland, which will help to reduce flood risk.</p>	Medium term (5 years)	Cumbria Wildlife Trust Partners: Natural England, Forestry Commission	Esmee Fairburn Foundation
		<p>Cumbria River Restoration Strategy aims to deliver innovative river restoration measures within the River Derwent and Bassenthwaite Lake Special Area of Conservation. The project includes identifying, developing and delivering targeted interventions aimed at restoring natural or near-natural hydromorphological regimes, such as re-connecting watercourses to their floodplain, removing barriers to fish migration and restoring straightened channels to a more natural meandering course.</p>	Long term (over 5 years)	West Cumbria Rivers Trust Natural England, Environment Agency, Catchment Sensitive Farming, Woodland Trust	Environment Agency (FCRM Grant in Aid) & Natural England (SSSI improvement fund)
		<p>Undertake a feasibility study to investigate restoration options on Newlands beck.</p>	Medium term (5 years)	Natural England West Cumbria Rivers trust	
		<p>Identify target areas where woodland creation and changes in woodland management could reduce flood risk within the four pilot catchments.</p>	Short Term - June 2016 - December 2016	Forestry Commission Environment Agency Natural England community action groups and parishes	

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Maintenance 	<p>Flooding in Braithwaite is reduced by over 630m of raised embankment and Coledale gravel trap. These defences work together to manage river flows</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>The Above Derwent Community Flood Group (CFG) is an active group. An Emergency Plan has been developed through the CFG with support from the Environment Agency</p>	<p>Work with the Derwent Community Flood Group and parish council to make sure they are able continue into the future</p> <p>Continue to work with communities to set up a network of Community Groups to share learning and best practice</p>	Emergency Plan in place	Residents and businesses Parish and District Councils Local Government Environment Agency (Flood Warning and Community Resilience)	Local Levy, central government funding (Flood Defence Grant in Aid)
	Braithwaite currently receives flood alerts, however the nature of the catchment and rapid response (flashy) watercourses does not allow enough time for effective flood warnings to be issued	Work with the Derwent Community Flood Group to develop a system of community based monitoring that will provide a better system of flood warnings	Before winter 2016		
	Allerdale 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 – end of December 2016		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.	Before winter 2016	Environment Agency	
Water Level Management	There are no Water Level Management Boards in this area				

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Boards 					

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