






<p>Cumbria flood action plan</p> <p>Bowness on Windermere & Windermere 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 the 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>Bowness on Windermere and Windermere better protected</p> <p>1) Do now (within next 12 months):</p> <ul style="list-style-type: none"> • Complete emergency plans • Publish and review flood investigation report • Initiate development of flood risk management improvement works • Review operation of the sluice at Newby Bridge • Review the role of the bridge at Backbarrow. <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 upstream for natural flood risk management and engineered storage.
<p>Catchment: Kent/Leven</p> <p>Impact of December 2015 flood: Approximately 140 homes and businesses were flooded around lake Windermere (including Bowness-on-Windermere, Lakeside, Newby Bridge and Backbarrow).</p> <p>Description: Bowness on Windermere and Windermere are neighbouring towns with a combined population of approx. 7,500, located on the eastern shore of Lake Windermere. Lakeside, Newby Bridge and Backbarrow are neighbouring villages on the south of Lake Windermere.</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>The Environment Agency maintains 45m of channel and 260m of culvert in Bowness on Windermere. There are no formal Environment Agency flood defences in Windermere.</p> <p>The Environment Agency routinely carries out 5.2km of open channel maintenance and routinely surveys 1.96Km of culvert.</p> <p>The Environment Agency does not have any formal flood defences in Lakeside, Newby Bridge or Backbarrow.</p>	<p>Improved defences</p> <p>Review the recommendations from the 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 have included this location in the current appraisal package and we have included this location in the current appraisal package and 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>Repairing damages from Storm Desmond</p> <p>No damage caused to Environment Agency flood defences</p> <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>	<p>Draft Flood Investigation Report was published summer 2016</p> <p>Short term (within next 12 months)</p>	<p>Environment Agency</p> <p>Environment Agency</p> <p>Environment Agency</p>	<p>£70,000 (Cumbria wide spend)</p>

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		<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 upstream management in the sub-catchments upstream of Bowness on Windermere, Windermere, Lakeside, Newby Bridge or Backbarrow.</p>	<p>Explore opportunities for engineered and natural flood management solutions to be used upstream in order to 'slow the flow' and manage peak river levels.</p>	Medium term (2-5 years) or long term (over 5 years)	Farmers Landowners Community groups Trusts	
<p>Maintenance</p> 	<p>The Environment Agency maintains 45m of channel and 260m of culvert in Bowness on Windermere. These assets and the river channel are maintained by the Environment Agency on an ongoing basis, this includes managing vegetation and removing gravel.</p> <p>The planned maintenance programme is available at: https://www.gov.uk/government/publications/river-and-coastal-maintenance-programme. This year's scheduled maintenance will be completed by the end of the year.</p>	<p>The 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	
<p>Resilience</p> 	<p>Finsthwaite and Lakeside, Windermere, Windermere Lake Level Group, Backbarrow and Bowness on Windermere all have Flood Action Groups.</p> <p>Windermere has a flood action group and an emergency action plan is currently in development.</p> <p>Finsthwaite and Lakeside have an action group and a community plan in place. Backbarrow has an action group and is in the process of developing an emergency plan. Newby bridge does not currently have an action group in place.</p>	<p>Work with community action group to complete the emergency plan.</p> <p>Work with communities to establish a network of Emergency Groups to share learning and best practice.</p>		Environment Agency (Flood Warning & Community Resilience) Communities Parish & District Councils Local Government	Local Levy, Flood Defence Grant in Aid
	<p>A lake level flood warning system for Windermere was set up in February 2016, and a flood warning system for the River Leven at Backbarrow and Newby Bridge was set up at the same time.</p>	<p>Increase the uptake of the warning system, including those that have assets or properties (boats, caravans, boathouses) on the lake but live elsewhere.</p>			
	<p>Local authorities are administering the Flood Recovery and Resilience Grants.</p>	<p>People who flooded in December 2015 are being urged to apply for the £5,000 resilience grant from their district/borough council. The deadline for applications has been extended to Friday 31 March 2017. 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 March 2017	District Council	Resilience grants of £5,000 per property

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