






<p><b>Cumbria flood action plan</b></p> <p><b>Troutbeck Bridge 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 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 <a href="http://www.gov.uk">www.gov.uk</a> and searching Cumbria flood action plan.</p>	<p><b>Troutbeck Bridge 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>• Complete emergency plans</li> <li>• Publish and review flood investigation report</li> <li>• Complete appraisals of possible actions to manage flood risk</li> </ul> <p><b>2) Develop (2-5 years):</b></p> <ul style="list-style-type: none"> <li>• Take forward recommendations in the flood investigation report and identify possible options to reduce flood risk</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>• Develop opportunities for natural flood risk management and engineered storage where feasible</li> </ul>
<p><b>Catchment:</b> Kent/Leven</p> <p><b>Impact of December 2015 flood:</b> 7 properties were flooded internally and gardens of a further 8 properties were affected.</p> <p><b>Description:</b> Troutbeck Bridge is a village to the northeast of Windermere, between Ambleside and Windermere. The main watercourses that run through Troutbeck Bridge are Bell Beck and the Trout Beck. The source of the main river flooding in 2015 was Bell Beck.</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>The Environment Agency does not have any formal flood defences in Troutbeck Bridge.</p>	<p><b>Improved defences</b></p> <p>Review the recommendations from the Flood Investigation Report and National Resilience Review to develop integrated flood risk management solutions.</p> <p>Troutbeck Bridge has been included in the Kendal Appraisal package of work. This will scope the viability of possible options to manage flood risk. At this stage, funding has not been identified in the currently consented FDGiA Investment Programme. However, we will submit a bid for funding for viable projects identified 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><b>Repairing damages from Storm Desmond</b></p> <p>Gravel cleared from Bell Beck Culvert.</p> <p>Refurbishment scheme on upper section of Bell Beck culvert, replacement of debris screen and installation of a gravel trap.</p>	<p>Draft Flood Investigation Report published summer 2016</p> <p>Completed summer 2016</p> <p>Short term – by spring 2017</p>	<p>Environment Agency</p> <p>Environment Agency</p> <p>Environment Agency</p>	

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		<p><b>Modelling and forecasting post-event model re-runs</b></p> <p>A new fluvial model for Trout Beck and Bell Beck has been completed. This will be used to inform the appraisal of any potential options for managing flood risk.</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 Troutbeck Bridge.</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><b>Maintenance</b></p> 	<p>The Environment Agency does not have any formal flood defences in Troutbeck Bridge. The river channel and culvert is maintained by the Environment Agency on an ongoing basis. This includes managing vegetation and assessing and removing gravel where necessary.</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>This year's scheduled maintenance will be completed by the end of the year.</p> <p>In this area, the Environment Agency inspects and clears debris screens as part of its operational response to heavy rainfall.</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: <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>Troutbeck Bridge currently has a flood action group: Troutbeck Bridge Flood Action Group.</p>	<p>Continue to encourage community action group to complete develop an emergency plan.</p> <p>Work with communities to establish a network of Emergency Groups to share learning and best practice.</p>	Emergency Plan to be in place before winter 2016	Environment Agency (Flood Warning & Community Resilience) Communities Parish & District Councils Local Government	Local Levy, Flood Defence Grant in Aid
	<p>There are currently no flood warning areas in Troutbeck Bridge. There is a flood alert for Brathay, Rothay and Winster.</p>				

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	Local authorities are administering the Flood Recovery and Resilience Grants.	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.	Closing date for grant applications – end of March 2017		Resilience grants of £5,000 per property
<b>Water Level Management Boards</b> 	There are no Water Level Management Boards in this area.				